8:10 p.m.
PANEL DISCUSSION
Norman Beatty
University of Florida, Gainesville, FL, United States
Sarah Hamer
Texas A&M University, College Station, TX, United States

Friday, October 20

Registration
Grand Ballroom Foyer - Ballroom Level (East Tower)
Friday, October 20, 7 a.m. - 5 p.m. U.S. Central Time Zone

Speaker Ready Room (Closed 11 a.m. - Noon)
Grand Suite 2AB - Ballroom Level (East Tower)
Friday, October 20, 7 a.m. - 5 p.m. U.S. Central Time Zone

TropStop - Student/Trainee Lounge
Grand Hall MN – Ballroom Level (East Tower)
Friday, October 20, 7 a.m. - 5 p.m. U.S. Central Time Zone

This casual setting, designed with students, trainees and residents in mind (coffee, internet), is your place for a break from the fast-pace of the meeting and relax with colleagues and friends. Check out the “Career Chats,” held in the TropStop. This will be your opportunity to meet professionals in the fields of tropical medicine and global health who will share their personal career paths and answer your questions about the various bumps and forks in the road.

Meeting Sign-Up Room
Horner and Ogden - Third Floor (West Tower)
Friday, October 20, 7 a.m. - 7 p.m. U.S. Central Time Zone

Prayer Room
Hong Kong - Ballroom Level (West Tower) and Field - Third Floor (West Tower)
Friday, October 20, 7 a.m. - 7 p.m. U.S. Central Time Zone

Nursing Mothers Room
Grand Suite 1 and Grand Suite 4 - Ballroom Level (East Tower)
Friday, October 20, 7 a.m. - 7 p.m. U.S. Central Time Zone

Burroughs Wellcome Fund-ASTMH Fellowship Committee Meeting
Michigan Boardroom, Concourse Level, East Tower
7 a.m. - 8 a.m. U.S. Central Time Zone

Trainee Membership Committee Meeting
McCormick - Third Floor (West Tower)
Friday, October 20, 7 a.m. – 8 a.m.
Sponsored Symposium

Chikungunya Virus: A Growing Preventable Risk to Travelers in a Warming Planet

Grand Hall J - Ballroom Level (East Tower)
Friday, October 20, 7 a.m. - 8:45 a.m. United States Central Time Zone
Sponsored by Medscape
See page 54 for information.
This session does not carry ASTMH CME credit.

Sponsored Symposium

Climate Change and Malaria Elimination: Perspectives from the Ground

Grand Hall K - Ballroom Level (East Tower)
Friday, October 20, 7 a.m. - 8:45 a.m. United States Central Time Zone
Sponsored by Global Institute for Disease Elimination (GLIDE)
See page 54 for information.
This session does not carry ASTMH CME credit.

Sponsored Symposium

Achieving Global Malaria Targets Relies on Quality Health Services: Lessons Learned and Results from PMI’s Support for Quality Improvement of Healthcare Services for Malaria

Crystal Ballroom A - Lobby Level (West Tower)
Friday, October 20, 7 a.m. - 8:45 a.m. United States Central Time Zone
Sponsored by U.S. President’s Malaria Initiative (PMI) Impact Malaria
See page 53 for information.
This session does not carry ASTMH CME credit.

Press Room

Randolph 1A - Concourse Level (East Tower)
Friday, October 20, 7:45 a.m. - 5 p.m. U.S. Central Time Zone

Plenary Session 59

Plenary Session III: Commemorative Lecture

Grand Ballroom CDEF - Ballroom Level (East Tower)
Friday, October 20, 9 a.m. - 9:45 a.m. U.S. Central Time Zone

The Commemorative Lecture is presented by an outstanding senior scientist in tropical medicine.

CHAIR
Daniel G. Bausch
FIND, Geneva, Switzerland

9 a.m.
INTRODUCTION
Daniel G. Bausch
FIND, Geneva, Switzerland

9:15 a.m.
COMMENORATIVE LECTURE

Oluwakemi Ogundipe, MD, MPH
Pediatric Advisor
Médecins Sans Frontières/Doctors without Borders (MSF)
Brussels, Belgium

Kemi Ogundipe, MD, MPH is the pediatric advisor for Médecins Sans Frontières/Doctors without Borders (MSF) based in Brussels. In this role she has been supporting their pediatric care programs globally since 2018 by advising MSF projects on the organization and quality of their pediatric care and contributing to MSF guidelines that are used for neonatal and pediatric care worldwide. Previously, Dr. Ogundipe worked extensively in MSF projects, both as a pediatric mobile implementing officer and project doctor. She is from Lagos, Nigeria where she lived until her completion of secondary school. She has also lived in the USA and currently resides in Brussels, Belgium. She is an alumnus of Duke University School of Medicine. She completed her pediatric training at Baylor College of Medicine in a specialized training program focused on global health and pediatric HIV and TB. She holds a master’s in public health from the University of North Carolina, Chapel Hill, with a concentration in maternal and child health. She has practiced as a pediatrician in Botswana, Lesotho, South Sudan, Tanzania, Papua New Guinea and Saipan (US Territory). Over the past year, she has traveled to Haiti, Niger, Benin and Nigeria, directly supporting MSF’s pediatric care activities and has contributed to the newly-released first edition of the MSF international pediatric guidelines. Her interests are in pediatric HIV and TB, neonatal care, malaria, childhood malnutrition, preventive health and healthcare system improvements.
Exhibit Hall Open

Riverside Center - Exhibit Level (East Tower)
Friday, October 20, 9:30 a.m. - 10:30 a.m. U.S. Central Time Zone

Coffee Break

Riverside Center - Exhibit Level (East Tower)
Friday, October 20, 9:45 a.m. - 10:15 a.m. U.S. Central Time Zone

Poster Session B Set-Up

Riverside Center - Exhibit Level (East Tower) and Grand Hall GHI – Ballroom Level (East Tower)
Friday, October 20, 9:45 a.m. - 10:15 a.m.

Poster Session B Viewing

Riverside Center - Exhibit Level (East Tower) and Grand Hall GHI – Ballroom Level (East Tower)
Friday, October 20, 10:15 a.m. - Noon

Symposium 60

A Scientist’s Cheat Sheet to Understanding Washington, DC

Grand Ballroom A - Ballroom Level (East Tower)
Friday, October 20, 10:15 a.m. - Noon

Every day, research, program, funding, and policy decisions are being made at the U.S. federal level. Whether you realize it or not, you are directly or indirectly impacted by these decisions. To many, Washington, DC, and this process can seem utterly chaotic. When examined more closely, that chaos is built into the system and has a surprisingly regular order to its ebb and flow. This session will focus on understanding the policymaking ecosystem in Washington, DC. Topics will include how Congress really works (yes, it can really work), how a bill becomes a law, the White House and federal agency’s roles in policymaking, the ever-present power struggles, and most common breakdowns in the process. What are the roles of coalitions and professional societies like ASTMH in speaking up for the science community? In these trying times, do these long-standing models work? What is the role of social media in advocacy? What impact does a new owner of a social media platform have on you as a user? How can you use social media to convey the value of your work?

CHAIR
Karen A. Goraleski
American Society of Tropical Medicine and Hygiene, Arlington, VA, United States

10:15 a.m.
INTRODUCTION

10:20 a.m.
THE IMPORTANCE OF UNDERSTANDING WASHINGTON AND HOW POLICY IS MADE
Karen A. Goraleski
American Society of Tropical Medicine and Hygiene, Arlington, VA, United States

Symposium 61

Benefits and Challenges of WHO Chemoprevention Guidelines Giving Increased Autonomy for Decision Making to Countries

Grand Ballroom B - Ballroom Level (East Tower)
Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone

In June 2022 WHO released updated recommendations for malaria chemoprevention. According to presentations shared by WHO, the updated recommendations reflected a paradigm shift to provide greater flexibility to NMPs to adapt control strategies to suit their settings. This means there is more decision-making happening at the county level when determining the exact modalities to be used for interventions such as perennial malaria chemoprevention (PMC), which is the expanded recommendation replacing the previous intermittent preventive treatment in infants. This shift presents both opportunities and challenges for countries that are early adopters of PMC. For example, countries need to determine how to adapt these more permissive recommendations, often without having the full set of ideal data available. Countries may also grapple with when, where, and how to scale different chemoprevention strategies – balancing decisions around cost, effectiveness, and practicality all while trying to maximize impact at a time when resources for malaria are flat despite the urgent need. This symposium brings together different perspectives and recent experience on adapting chemoprevention guidelines and will bring to light benefits and challenges resulting from the 2022 updated WHO chemoprevention guidelines. The symposia will start with an orientation on WHO’s revised chemoprevention recommendations and the process of revision. A speaker from the MoH in Cameroon will share his experiences with the process to adapt and integrate chemoprevention into their sub-nationally tailored plans. Next a speaker from PATH will share how the role of NGOs may be changing as a result of WHO’s more flexible guidelines, and a speaker from MMV will share results from forecasting work designed to understand the potential demand for...
SP for PMC. Finally, a speaker from Malaria Consortium will share how more flexibility in guidelines is creating the opportunity for the chemoprevention community to share and learn.

CHAIR
Jacques Kouakou
Population Services International, Abidjan, Côte D’Ivoire

10:15 a.m.
INTRODUCTION

10:20 a.m.
BACKGROUND ON WHO DECISION TO INCREASE COUNTRY ADAPTED CHEMOPREVENTION DESIGNS
Dorothy Fosah Achu
WHO AFRO, Brazzaville, Republic of the Congo

10:30 a.m.
OPTIMIZING THE CHEMOPREVENTION MIX (PMC AND SMC) IN CAMEROON
Junior Voundi Voundi
National Malaria Control Program, Yaounde, Cameroon

10:40 a.m.
THE EVOLVING ROLE OF NGOs: FROM IMPLEMENTORS TO FACILITATORS?
Rova Ratsimandisa
PATH, Kinshasa, Democratic Republic of the Congo

10:50 a.m.
PMC FORECAST: ESTIMATE THE POTENTIAL DEMAND FOR PMC SP FOR A NUMBER OF PREDEFINED SCENARIOS
Céline Audibert
Medicines for Malaria Venture, Geneva, Switzerland

11 a.m.
OPPORTUNITIES FOR LEARNING THROUGH A COMMUNITY OF PRACTICE: HOW FLEXIBLE AND ADAPTABLE GUIDELINES CREATE OPPORTUNITIES FOR LEARNING AND RAPID IMPROVEMENT IN IMPLEMENTATION
Olusola Oresanya
Malaria Consortium, Abuja, Nigeria

Symposium 62

Cash for Climate? The Role of Funders and Upstream Stakeholders in Promoting Environmental Sustainability in Global Health Research

Grand Hall J - Ballroom Level (East Tower)
Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone

Climate change is here and we are feeling its consequences for water, food security, ecosystems, and human health. However, little attention has been paid to the role academic funders have in shaping sustainable research practices. Funders have a unique opportunity to accelerate the decarbonization of global health. Our collective carbon footprint is significant. Greenhouse gasses are emitted from the energy used to power hospitals, labs, and data centers, from the fuel burned from commuting and air travel, and the carbon in the equipment and consumables we purchase. Institutions across the globe are defining their climate ambitions for the coming decades, with several committing to net-zero targets before 2050. Funders can stimulate these ambitions by influencing expectations and standards in the working culture of the academic sector. By committing to reduce emissions from their own operations and valuing the efforts of grantee institutions to decarbonize, funders could accelerate the decarbonization of global health. Such efforts would need to take into account the different settings of institutions in high-, and low- and middle-income countries, with funders requiring, incentivizing and supporting grantee institutions in the transition to low-carbon operations in accordance with these contexts. Leadership from funders can help us to rapidly and substantially decarbonize global health. Panelists will discuss sustainability policies and operations in their institutions and what they see as the key next steps in our collective work. Hosted by the Green Task Force, this panel seeks to promote honest dialogue about climate change and our “bottom line” as individual researchers and a collective Society.

CHAIR
Hanna Ehrlich
University of California Davis, Davis, CA, United States
Michele Barry
Stanford University, Palo Alto, CA, United States

10:15 a.m.
INTRODUCTION

10:25 a.m.
ADVANCING ENVIRONMENTALLY SUSTAINABLE HEALTH RESEARCH
Talia Caplan
Wellcome Trust, London, United Kingdom

10:35 a.m.
CLEAN MODERN ENERGY FOR ALL: BENEFITING HEALTH, SOCIETY, ENVIRONMENT, AND CLIMATE IN SUB-SAHARAN AFRICA TO ACHIEVE THE 2030 SUSTAINABLE DEVELOPMENT GOALS
James Mwitari
Kenya Medical Research Institute, Nairobi, Kenya

10:55 a.m.
ASTMH GREEN TASK FORCE
Hanna Ehrlich
University of California Davis, Davis, CA, United States
Scientific Session 63

Malaria - Antimalarial Resistance and Chemotherapy

Grand Ballroom CDEF - Ballroom Level (East Tower)
Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone

This session does not carry CME credit.

CHAIR
Thuy-Nhien Nguyen
Oxford University Clinical Research Unit, Ho Chi Minh City, Vietnam

Carola Salas
ASTMH Scientific Program Committee, Lima, Peru

10:15 a.m.

ELUCIDATING THE INTERACTIONS OF PFCRT AND PLASMEPSINS 2/3 IN MODULATING FITNESS AND RESISTANCE IN PLASMODIUM FALCIPARUM TO PIPERAQUINE AND OTHER ARTEMISININ PARTNER DRUGS

Davin Hong, Satish K. Dhingra, Tomas Yeo, David A. Fidock, Sachel Mok

‘Nanyang Technological University, Singapore, Singapore, ‘Columbia University Irving Medical Center, New York, NY, United States

10:30 a.m.

UNDERSTANDING LEAD DISCOVERY ANTIMALARIAL DRUGS RESISTANCE TRANSLATION FROM LAB TO FIELD PARASITES TOWARD SUSTAINABLE MALARIA ELIMINATION

Fatoumata O. Maiga, Laurent Dembélé, Mohamed Maiga, Ousmaita Diakité, Fantà Sogoré, Sekou Sissoko, Antoine Darà, Abdoulaye Djimde

Université des Sciences, des Techniques et des Technologies de Bamako (USTTB), Faculté de Pharmacie, Malaria Research and Training Center (MRTC), Point G, PBE : 1805., Bamako, Mali

10:45 a.m.

CONFIRMED ARTEMISININ PARTIAL RESISTANCE AND HIGH EFFICACY OF ARTEMETHER - LUMEFANTRINE AND ARTESUNATE - AMODIAQUINE FOR THE TREATMENT OF UNCOMPLICATED PLASMODIUM FALCIPARUM MALARIA IN NORTH-WESTERN TANZANIA

Deus S. Ishengoma, Celine I. Mandara, Rashid Madebe, Catherine Bakari, Misago D. Seth, Filbert Francis, Creyton Buguzi, Issa Garimo, Samuel Lazaro, Abdallah Lusasi, Sijenunu Aron, Frank Chacky, Ally Mohamed, Jovin Kitau, Jeffrey Huang, Aristide Sawadogo, Anyirékun Fabrice Somé, Rakiswendé Serge Yerbanga, Erika Wallender, Francesca Aweeke, Jean-Bosco Ouédraogo, Philip J. Rosenthal


11:00 a.m.

A RAPID DECLINING OF MULTIDRUG RESISTANT KEL1/PLA1 PLASMODIUM FALCIPARUM PARASITES IN VIETNAM DURING 2020-2022, A RESULT OF DRUG POLICY CHANGE

Thuy-Nhien Nguyen, Huynh Hong Quang, Tuyen Nguyen, Nhat Tran, Olivo Miottot

‘Oxford University Clinical Research Unit, Ho Chi Minh City, Vietnam, ‘Institute of Malariology, Parasitology and Entomology, Vietnam National Institute for Medical Research, Dar es Salaam, United Republic of Tanzania, ‘Mehdiol Oxford Research Unit and Oxford University, Bangkok, Thailand

11:15 a.m.

ASSOCIATIONS BETWEEN SULFADOXINE-PYRIMETHAMINE+ AMODIAQUINE CONCENTRATIONS, MALARIA INCIDENCE, AND RESISTANCE MARKERS IN CHILDREN RECEIVING SEASONAL MALARIA CHEMOPREVENTION IN BURKINA FASO

Issaka Zongo, Alassane Haro, Michelle E. Roh, Romaric Oscar Zerbo, Liusheng Huang, Anistide Sawadogo, Jennifer Legac, Anyirékun Fabrice Somé, Rakiswendé Serge Yerbanga, Erika Wallender, Francesca Aweeke, Jean-Bosco Ouédraogo, Philip J. Rosenthal


11:30 a.m.

POTENTIAL SUITABILITY OF SULFADOXINE-PYRIMETHAMINE PLUS AMODIAQUINE FOR SEASONAL MALARIA CHEMOPREVENTION IN AREAS OF HIGH, PRE-EXISTING DRUG RESISTANCE

Gina Maria Cuomo-Dannenburg, Andria Mousa, Sam Gudo, Kevin Baker, Maria Sauc Sains, Chuka Nnaji, John Baptist Bwanka, Ivan Alejandro Pulido Tarquino, Christian Rassi, Monica A. de Cola, Craig Bonnington, Robert Verity, Matthew Cairns, Paul Milligan, Cally Roper, Lucy Okell, Patrick G T Walker

‘Imperial College London, London, United Kingdom, ‘London School of Hygiene & Tropical Medicine, London, United Kingdom, ‘London School of Hygiene & Tropical Medicine, London, United Kingdom, ‘Malaria Consortium, London, United Kingdom

11:45 a.m.

IN VIVO EFFICACY OF SULFADOXINE PYRIMETHAMINE IN PREGNANT WOMEN INFECTED WITH PLASMODIUM FALCIPARUM IN MALI

Coulibaly Oumou
University of Sciences, Technics and Technology of Bamako, Mali, Bamako, Mali

12:00 p.m.

TRANSCRIPTOMIC APPROACH TOWARDS UNDERSTANDING THE MOLECULAR MECHANISMS OF IMIDAZOLOPIPERAZINE (IPZ) IN THE MALARIA PARASITE PLASMODIUM FALCIPARUM

Mohamed MAIGA, Antoine Darà, Devendra Kumar Gupta, Abdoulaye Djimde, Laurent Dembele

‘Université des Sciences des Techniques et des Technologies de Bamako (USTTB), Bamako, Mali, ‘Novartis Institute for Tropical Diseases, California, CA, United States

Lightning Talks

(Lightning Talks are two-minute talks to highlight abstracts assigned to poster presentations.)

11:45 a.m.

6770

6771
MOLECULAR SURVEILLANCE OF PLASMODIUM FALCIPARUM DRUG RESISTANCE REVEALS PRESENCE OF I431V DHPS MUTATION IN PARASITES HARBORING QUINTUPLE AND QUADRUPLE DHPS MUTATIONS IN SENEGAL

1International Research and Training Center for Applied Genomics and Health Surveillance (CIGASS) at UCAD, Dakar, Senegal; 2Harvard T.H. Chan School of Public Health, Boston, MA, United States; 3Broad Institute of MIT and Harvard, Cambridge, MA, United States

UNDERSTANDING THE DEVELOPMENT OF DRUG RESISTANCE IN LIVER STAGES OF PLASMODIUM FALCIPARUM

Margarida T. Grilos†, Ines Marreiros†, Malhar Khushu†, Selina Bopp†, David Calvo*, David Cebrián*, Carmen Cuevas*, Sara Viera-Morilla*, Dyann F. Wirth†, Maria Jose Lafuente-Monasterio†, Amanda K. Lukens†
1GlaxoSmithKline, Tres Cantos, Spain; 2Harvard T.H. Chan School of Public Health, Boston, MA, United States; 3Broad Institute of MIT and Harvard, Cambridge, MA, United States

QPCR ANALYSIS OF RING STAGE SURVIVAL ASSAYS FOR SURVEILLANCE OF ARTEMISININ PARTIAL RESISTANCE IN PLASMODIUM FALCIPARUM

1Infectious Disease Research Collaboration, Kampala, Uganda; 2University of Notre Dame, South Bend, IN, United States; 3Dominican University of California, San Rafael, CA, United States; 4Infectious Diseases Research Collaboration, Kampala, Uganda; 5Brown University, Providence, RI, United States; 6University of California, San Francisco, CA, United States; 7University of California, San Francisco, CA, United States

Symposium 64

Advances in Treatment and Diagnostics for Disease Caused by Pathogenic Free - Living Amoebae

Grand Hall K - Ballroom Level (East Tower)
Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone

Infections with pathogenic free-living amoebae (FLA) yield higher fatality rates (>90%) than any eukaryotic parasite, yet they remain the least studied of all tropical diseases of humankind. Each of the amoebae are normally free-living and are ubiquitous in warm fresh water and soil. Naegleria fowleri causes Primary Amoebic Meningoencephalitis (PAM), an acute, uniformly fatal central nervous system (CNS) infection that ensues following entry of the amoeba into the nasal cavity. Balamuthia mandrillaris is a chronic infection and causes cutaneous lesions followed by hematogenous spread to the brain that results in Balamuthia Amoebic Encephalitis (BAE). Acanthamoeba keratitis (AK) is the most prevalent of any infection with FLA, yet Acanthamoeba spp. also can cause a chronic deadly CNS infection known as Granulomatous Amoebic Encephalitis (GAE). The purpose of this symposium is to review the significant and impactful new results that demonstrate new treatments and novel biomarkers of infection. Treatment of BAE usually consists of a cocktail of antibiotics and antifungals, but efficacy is poor and unfortunately results in death of most BAE patients. A remarkable case study will be presented that demonstrates a paradigm shift in treatment regimens for FLA. Nitroxoline, a repurposed drug for urinary tract infections, was identified in an in vitro drug screen and then used to successfully treat a BAE patient. One of the many unknowns about N. fowleri is why some individuals get infected, whereas millions of people are similarly exposed. We will present new data that demonstrate some isolates of N. fowleri are significantly more virulent than others. In addition, we will describe a novel biomarker in plasma or serum that can be used to detect N. fowleri infection 2-3 days before animals exhibit signs of infection. A major impediment to validation of drug targets and elucidation of N. fowleri biology is the lack of genetic tools. Recent advances in genome editing will be described as a new target for drug discovery for PAM therapeutics. Finally, Acanthamoeba infections are difficult to treat in part because the amoeba encyst in the CNS or cornea and these forms are highly resistant to commonly used drugs and biocides. Recent studies suggest that methods commonly used to assess killing of cysts overestimate efficacy. New methods to discover cysticidal activity will be presented as well as new cysticidal and trophocidal drugs will be profiled.

CHAIR
Dennis E. Kyle
University of Georgia, Athens, GA, United States
James Morris
Clemson University, Clemson, SC, United States

10:15 a.m.
INTRODUCTION

10:25 a.m.
CASE STUDY OF NITROXOLINE FOR TREATMENT OF BALAMUTHIA GRANULOMATOUS ENCEPHALITIS

Natasha Spottiswoode
University of California San Francisco, San Francisco, CA, United States

10:50 a.m.
VARIATIONS IN VIRULENCE AND DISCOVERY OF EARLY BIOMARKERS FOR PRIMARY AMOEBOIC MENOINGOENCEPHALITIS

Dennis E. Kyle
University of Georgia, Athens, GA, United States

11:15 a.m.
ADVANCES IN DRUG DISCOVERY AND TOOL DEVELOPMENT FOR NAEGLERIA FOWLERI

James Morris
Clemson University, Clemson, SC, United States

11:40 a.m.
CYSTICIDAL DRUGS FOR THE TREATMENT OF ACANTHAMOEBA KERATITIS

Christopher A. Rice
Purdue University, West Lafayette, IN, United States
Scientific Session 65

Filariasis – Epidemiology and Control

Grand Hall L - Ballroom Level (East Tower)
Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone

CHAIR
Kenneth Pfarr
Institute of Medical Microbiology, Immunology and Parasitology, University Hospital Bonn, Bonn, Germany

10:15 a.m.

Wuchereria bancrofti microfilarias positive individuals show an increased human immunodeficiency virus incidence in a general population study in southwest Tanzania

Jonathan L. Mnka1, Manuel Ritter, Lucas Maganga, Leonard Maboko, Wilyhelmina Olomi, Agola Eric Lelo, Daniel Karikiri, Alexander Yaw Debrah, Christoph Goldmacher, Michael Hoelscher, Elmar Saathoff, Kenneth Pfarr, Achim Hoerauf, Inge Kroidl

1National Institute for Medical Research, Mbeya Medical Research Centre (NIMR-MMRC), Mbuya, United Republic of Tanzania, 2Institute for Medical Microbiology, Immunology and Parasitology (IMMIP), University Hospital Bonn (UKB), 53127, Bonn, Germany, 3Tanzania Commission for AIDS, Dar es Salaam, United Republic of Tanzania, 4Kenya Medical Research Institute (KEMRI), KNH, Nairobi, Kenya, 5College of Health Sciences, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Nairobi, Kenya, 6Kumasi Centre for Collaborative Research (KCCR), Kwame Nkrumah University of Science and Technology, 7University of the University of Munich (LMU), 88029, Munich, Germany

10:30 a.m.

Developing the natural product corallopyronin A to treat filariasis, stis and staphylococci

Kenneth Pfarr, Andrea Schieber, William Shaffer, Jennifer Edwards, Tim Becker, Gabriele Bierbaum, Stefan Kehraus, Miriam Grosse, Alexandra Ehrens, Tanja Schneider, Katharina Rox, Marc P. Hübner, Karl G. Wagner, Thomas Hesterkamp, Marc Stadler, Achim Hoerauf

1University Hospital Bonn, Bonn, Germany, 2Emory University, Atlanta, GA, United States, 3National Institutes of Health, Bethesda, MD, United States, 4University of Minnesota, Minneapolis, MN, United States, 5US Centers for Disease Control and Prevention, Atlanta, GA, United States, 6American Samoa Department of Health,Pago Pago, American Samoa, 7Pacific Island Health Officers’ Association, Pago Pago, American Samoa, 8Pacific Island Health Officers’ Association, Honolulu, HI, United States

11:15 a.m.

Challenges of applying to the WHO onchocerciasis technical advisory subgroup-proposed threshold for initiating mass drug administration against onchocerciasis in Ethiopia


1The Carter Center, Addis Ababa, Ethiopia, 2The Carter Center, Atlanta, GA, United States, 3Federal Ministry of Health, Addis Ababa, Ethiopia, 4Ethiopia Public Health Research Institute, Addis Ababa, Ethiopia

11:30 a.m.

Monitoring impact of three rounds of mass drug administration in eight high-risk villages using a three-drug regimen on lymphatic filariasis in American Samoa

Tara A. Brant, Afiifi Tufa, Fara Utu, Noelle Tavaile, Lynette Suiuaka-Scanlan, Ula Pelei, Maopoa Lewabeci, Benjamin Sili, Emily A. Dodd, Hong Zhou, Janet M. Camacho, Emi Chutaro, Kimberly Y. Won, Motusa T. Nuari, 1US Centers for Disease Control and Prevention, Atlanta, GA, United States, 2American Samoa Department of Health,Pago Pago, American Samoa, 3Pacific Island Health Officers’ Association, Pago Pago, American Samoa, 4Pacific Island Health Officers’ Association, Honolulu, HI, United States

11:45 a.m.

Rate of onchocerca volvulus microfilariae in nodule carriers in villages under mass drug administration in Fuamah District, Liberia

Cooper Sannah, Abakar Gankpala, Nicole Fetcho, Lincoln Gankpala, Aaron T. Momolu, Edward B. Guizie, bindu Taweh, Evon Vesselee, Kasor Kollie, Gary J. Weil, Peter U. Fischer, Patrick N. Kpanyen, 1National Public Health Institute of Liberia, Monrovia, Liberia, 2National Public Health Institute of Liberia, Charlesville, Liberia, 3Washington University School of Medicine, Saint Louis, MO, United States, 4Family Health, Ministry of Health, Monrovia, Liberia, 5USD team, Ministry of Health, Monrovia, Liberia, 6Washington University School of Medicine, St. Louis, MO, United States

Scientific Session 66

Schistosomiasis I

Plaza Ballroom - Lobby Level (East Tower)
Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone

CHAIR
Oyime Poise Aula
QIMR Berghofer Medical Research Institute, Herston, Australia

11 a.m.

Spatial analysis of the relationship of onchocerca volvulus exposure between humans and black flies in Ethiopia

Caitlin Duffy, Emily Griswold, Fikresiliasie Samuel, Fikre Seife, Sindew Mekasha, Zenihun Tadesse, Frank O. Richards, Gregory S. Noland, Jenna E. Coalslon, Emily A. Dodd, Hong Zhou, Janet M. Camacho, Emi Chutaro, Kimberly Y. Won, Motusa T. Nuari, 1The Carter Center, Addis Ababa, Ethiopia, 2The Carter Center, Atlanta, GA, United States, 3Federal Ministry of Health, Addis Ababa, Ethiopia, 4Ethiopia Public Health Research Institute, Addis Ababa, Ethiopia

201
10:15 a.m. 5771

**WHOLE-GENOME SCAN OF AFRICAN SNAIL VECTORS IDENTIFIES GENES ASSOCIATED WITH RESISTANCE TO INFECTION BY SCHISTOSOMES**

*Jacob A. Tennesen*, Tom Pennance, Johanne Sparan, Tammie McQuistan, George Ogaro, Fredrick Rawago, Martin Mutuku, Gerald M. Mkoji, Eric S. Loker, Maurice Odiero, Michelle L. Steinauer

*Department of Immunology and Infectious Diseases, Harvard T.H. Chan School of Public Health, Boston, MA, United States, College of Osteopathic Medicine of the Pacific – NorthWest, Western University of Health Sciences, Lebanon, OR, United States, Center for Biotechnology Research and Development, Kenya Medical Research Institute (KEMRI), Nairobi, Kenya, Department of Biology, Center for Evolutionary and Theoretical Immunology, Parasite Division Museum of Southwestern Biology, University of New Mexico, Albuquerque, NM, United States*

10:30 a.m. 5772

**GENOMIC EPIDEMIOLOGY OF THE CARCINOGENIC LIVER FLUKE OPISTHORCHIS VIVERRINI**


*University of Glasgow, Glasgow, United Kingdom, Khon Kaen University, Khon Kaen, Thailand, Swiss TPH, Basel, Switzerland, Lao TPH, Vientiane, Lao People's Democratic Republic, University of Oxford, Oxford, United Kingdom*

10:45 a.m. 5773

**TEST-TREAT-TRACK-TEST-TREAT (5T) APPROACH FOR BREAKING SCHISTOSOMIASIS TRANSMISSION**


*Swiss Tropical and Public Health Institute, Allschwil, Switzerland, Public Health Laboratory - Ivo de Cameri, Wawi, Chake Chake, Pemba, United Republic of Tanzania, Neglected Diseases Programme, Zanzibar Ministry of Health, Mikoroshori, Pemba, United Republic of Tanzania, Neglected Diseases Program, Zanzibar Ministry of Health, Umugua, United Republic of Tanzania*

11 a.m. 5774

**CHARACTERIZATION AND PROCESS DEVELOPMENT OF SERINE PROTEASE INHIBITOR: A NEXT GENERATION TRANSMISSION-BLOCKING VETERINARY MRNA VACCINE FOR ASIATIC SCHISTOSOMIASIS**

*Adebayo J. Molehin*, Brooke Hall, Christine Lee, Sean A. Gray, Derrick Carter

*Midwestern University, Glendale, AZ, United States, PAI Life Sciences Inc, Seattle, WA, United States*

11:15 a.m. 5775

**SCHISTOSOMA JAPONICUM CHALLENGE INFECTION MODEL IN CARABAOS (PHILIPPINE WATER BUFFALO) FOR THE PLACEBO-CONTROLLED TRIAL OF THE SJ97 AND SJ68 VACCINE CANDIDATES**

*Mario L. Jiz*, Daria L. Manalo, John Ezra David dela Cruz, Joseph Valencia, Sarah Li, Jonathan D. Kurtis, Hannah W. Wu

*Research Institute for Tropical Medicine, Muntinlupa City, Philippines, Biomedical Research Institute, Rockville, MD, United States, Warren Alpert Medical School at Brown University, Providence, RI, United States*

11:30 a.m. 5776

**TWO KEY ACTINOBACTERIA GENERA BIFIDOBACTERIUM AND COLLINSIELLA IN THE HUMAN GUT MICROBIOTA ARE DIFFERENTIALLY ASSOCIATED WITH SCHISTOSOMA MANSONI INFECTION BURDEN**

*Francis Ankomah Appiah-Tvwum*, Jeweila Akplitude, Lydia Olayere, Hilda Darko, Michael Wilson

*Noguchi Memorial Institute For Medical Research, Legon, Accra, Ghana, University of Illinois Urbana-Champaign, Chicago, IL, United States*

11:45 a.m. 5777

**PREVALENCE AND DISTRIBUTION OF FEMALE GENITAL SCHISTOSOMIASIS (FGS) ACROSS THREE ENDEMIC COUNTRIES, TIMELINE, AND AGE GROUPS**

*Navneet Kaur, Nilanjan Lodh*

*Marquette University, Milwaukee, WI, United States*

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**Symposium 67**

**Chagas Disease: Best Practices for Clinical Care**

*Crystal Ballroom A - Lobby Level (West Tower)*

*Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone*

Chagas disease remains underdiagnosed, particularly in non-endemic countries, and even in countries with high endemicity it is undertreated. Of the estimated 6 million individuals living with Chagas disease, less than 1% have received antiparasitic therapy. This symposium will highlight the best practices for diagnosis and treatment for the typical presentations of Chagas disease, including congenital, pediatric, adult indeterminate chronic phase, and reactivation of Chagas disease in the immunosuppressed host. Cardiac manifestations of Chagas disease will be discussed by a cardiologist, Dr. Rachel Marcus. The symposium will address the clinical aspects of Chagas Disease.

**CHAIR**

*David Hamer*

*Center for Emerging Infectious Disease Research and Policy, Boston University School of Public Health, Boston, MA, United States*

*Christina Coyle*

*Albert Einstein College of Medicine, Bronx, NY, United States*

10:15 a.m. 5778

**INTRODUCTION**

10:25 a.m. 5779

**CONGENITAL AND PEDIATRIC CHAGAS DISEASE: SCREENING, MANIFESTATIONS, AND TREATMENT**

*Jaime Alteche*

*Hospital de Niños R. Gutierrez, Buenos Aires, Argentina*

10:45 a.m. 5778

**REACTIVATION OF CHAGAS DISEASE IN THE IMMUNOSUPPRESSED PATIENT**

*Maria Aparecida Shikanai-Yasuda*

*Faculdade de Medicina, University of Sao Paulo, Sao Paulo, Brazil*
11:05 a.m.  
**TO TREAT OR NOT TO TREAT IN CHAGAS DISEASE, THAT IS THE QUESTION!**  
Christina Coyle  
*Albert Einstein College of Medicine, Bronx, NY, United States*

11:25 a.m.  
**CARDIAC MANIFESTATIONS OF CHAGAS DISEASE: THE GREAT IMITATOR**  
Rachel Marcus  
*LASODCHA, Washington, DC, United States*

11:45 a.m.  
**MODERATOR, PANEL DISCUSSION**  
David H. Hamer  
*Center for Emerging Infectious Disease Research and Policy, Boston University School of Public Health, Boston, MA, United States*

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**Meet the Professors Session 68**  
Meet the Professors Session B - Dangerous Zebras: Will You Be Ready When A Special Pathogen Comes To Town?  
*Crystal Ballroom B - Lobby Level (West Tower)*  
*Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone*

Meet the Professors sessions are valuable learning experiences for trainees and practicing clinicians to hear about clinical reasoning from leaders in the field. While the majority of cases of traveler's diarrhea self-resolves, some patients continue to have persistent symptoms. In this session, we will discuss the diagnosis and management of persistent intestinal symptoms associated with travel to, or residence in, a low- and middle-income country.

**CHAIR**  
Daniel Leung  
*University of Utah, Salt Lake City, UT, United States*

10:15 a.m.  
**PRESENTATION #1**  
Susan McLellan  
*University of Texas Medical Branch, Galveston, TX, United States*

10:45 a.m.  
**PRESENTATION #2**  
Henry Wu  
*The Emory Clinic, Emory University, Atlanta, GA, United States*

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**Scientific Session 69**

**Viruses - Virus Vaccine Clinical Trials and Immunity**  
*Regency Ballroom A - Ballroom Level (West Tower)*  
*Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone*

This session does not carry CME credit.

**CHAIR**  
Edwin J. Asturias  
*University of Colorado, Aurora, CO, United States*  
Alix Miauton  
*Tropical, travel and vaccination clinic, Center for primary care and public health (Unisante), Lausanne, Switzerland*

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**10:15 a.m.  5778**  
**EFFICACY AND SAFETY OF BUTantan-DV LIVE-ATTENUATED TETRAVALENT DENGUE VACCINE FROM A PHASE 3 CLINICAL TRIAL IN CHILDREN, ADOLESCENTS, AND ADULTS**  
Mauricio L. Nogueira1, Monica A.T. CIntrar1, José A. Moreira1, Elizabeth G. Patoño2, Patricia Emilia Braga1, Patricia S. Carneiro2, Lucas B. Alves1, Juliana C.V. Tenório1, Vanessa Infantã1, Alejandra Esteves-Jaramillo2, Tulín Shekar2, Jung-Jin Lee2, Julieta Macey2, Sabrina Gozlan Kelner1, Beth-Ann G. Coller1, Fernanda Castro Boulos3, Esper G. Kalász3  
1Faculdade de Medicina de São José do Rio Preto (FAMERP), São José do Rio Preto, Brazil, 2Institute Butantan, Sao Paulo, Brazil, 3Merck & Co., Inc., Rahway, NJ, United States, 4Instituto Butantan/Hospital das Clínicas da Faculdade de Medicina da USP-São Paulo, Brazil

**10:30 a.m.  5779**  
**A PHASE 1 OPEN LABEL TRIAL ASSESSMENT OF A DENGUE HUMAN INFECTION MODEL USING A DENGUE VIRUS SEROTYPE 4 LIVE VIRUS CHALLENGE**  
Joel V. Chua1, Angie Price1, Salma Sharaf2, Youngchae J. Yoo3, Hemando Gutierrez-Barbosa1, Kathleen A. Strauss4, Sudhauanushu Joshi5, Rafael A. De La Barra6, Heather L. Friberg1, Michael A. Koren1, Robert Edelman7, Kirsten E. Lyke8  
1Institute of Human Virology, University of Maryland School of Medicine, Baltimore, MD, United States, 2Center for Vaccine Development and Global Health, University of Maryland School of Medicine, Baltimore, MD, United States, 3Pilot Bioproduction Facility, Walter Reed Army Institute of Research, Silver Spring, MD, United States, 4Viral Diseases Branch, Walter Reed Army Institute of Research, Silver Spring, MD, United States

**10:45 a.m.  5780**  
**SAFETY AND IMMUNOGENICITY OF A SYNTHETIC NANOPARTICLE-BASED, T CELL PRIMING PEPTIDE VACCINE AGAINST DENGUE IN HEALTHY ADULTS IN SWITZERLAND: A DOUBLE-BLIND, RANDOMIZED, VEHICLE-CONTROLLED, PHASE 1 STUDY**  
Alix Miauton1, Régine Audran1, Juliette Besson1, Hélène Maby-El Hajjami1, Maxime Karlen1, Loane Warpelin-Decrausaz2, Loredana Sene1, Sylvain Schaufelberger1, Vincent Faivre1, Mohamed Fauzi1, Mary-Anne Hartley1, François Spretini1, Blaise Gontier1  
1Tropical, travel and vaccination clinic, Center for primary care and public health (Unisante), Lausanne, Switzerland, 2Division of Immunology and Allergy, Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland, 3Clinical Trial Unit, Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland, 4Research support unit, Center for primary care and public health (Unisante), Lausanne, Switzerland, 5Healthcare Information and Digital Transformation, Center for Primary Care and Public Health (Unisante), Lausanne, Switzerland

**11 a.m.  5781**  
**CHIKUNGUNYA VACCINE VLA1553 INDUCES CROSS-NEUTRALIZATION AGAINST DIFFERENT CHIKV GENOTYPES**  
Karim Kosulin1, Trevor L. Brasel2, Jeannot Smirli3, Maricela Torres1, Annesgett Bitzer1, Katrin Dubischar1, Vera Bürger1, Scott C. Weaver4, David WC Beasley2, Romana Hochreiter1  
1Valneva Austria GmbH, Vienna, Austria, 2University of Texas Medical Branch, Galveston, TX, United States
11:15 a.m.  5782

IMMUNOGENICITY OF AN EXTENDED DOSE INTERVAL FOR THE AD26.ZEBOV, MVA-BN-FILO PROPHYLACTIC EBOLA VIRUS VACCINE REGIMEN IN ADULTS AND CHILDREN IN THE DEMOCRATIC REPUBLIC OF THE CONGO


1London School of Hygiene & Tropical Medicine, London, United Kingdom, 2Institut National de Recherche Biomédicale, Kinshasa, Democratic Republic of the Congo, 3Epicentre, Paris, France, 4University Clinical Research Center, University of California-Berkeley, Oakland, CA, United States, 5National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States, 6London School of Hygiene & Tropical Medicine, London, United Kingdom, 7InterAxe, Université Sorbonne Paris Nord, Université Sorbonne Paris Cité, and Inserm, Paris, France, 8European CLInical Trials Platform & Development College of Medicine and Allied Health Sciences, University of Kentucky, Lexington, Kentucky, United States, 9Centre pour le Développement des Vaccins, Ministère de la Santé et du Développement Social du Mali, Bamako, Mali, 10Integrated Research Facility at Fort Detrick, Emerging Infectious Diseases, Paris, France, 11Vaccine Research Institute, Université Paris & Development, Beerse, Belgium, 12Coalition for Epidemic Preparedness Innovations, Oslo, Norway

11:30 a.m.  5783

DETERMINANTS AND DURABILITY OF ANTIBODY RESPONSE TO RVSVAG-ZEBOV-GP AND AD26.ZEBOV, MVA-BN-FILO EBOLA VIRUS DISEASE VACCINES: A MODELLING STUDY FROM THE PREVAC RANDOMIZED TRIAL

Simon Valayer, Marie Alexandre, Mélanie Praguel, Abdoul Habib Beavogui, Seydiou Doumbia, Mark Kieh, Brian Greenwood, Bailah Leigh, Marie Poupelin, Christine Schwimmer, Samba O. Sow, Irina Maljkovic Berry, Jens H. Kuhn, Daniela Fusco, Natasha Dubois Cauwelaert, Deborah Watson-Jones, Rodolphe Thiébaut, Yves Lévy, Yazdan Yazdanpanah, Laura Richert, Edouard Lhomme, PREVAC Study Team

1IAME, Université Sorbonne Paris Nord, Université Sorbonne Paris Cité, and Inserm, Paris, France, 2Bordeaux Population Health Research Centre, Université de Bordeaux, Inserm, and INRIA, Bordeaux, France, 3Centre National de Formation et de Recherche en Santé Rurale (CNFRSR) de Mafèrinyah, Mafèrinyah, Guinea, 4University Clinical Research Center, University of Sciences, Technique and Technology of Bamako, Bamako, Mali, 5Partnership for Research on Ebola Virus in Liberia (PREVAIL), Monrovia, Liberia, 6London School of Hygiene & Tropical Medicine, London, United Kingdom, 7College of Medicine and Allied Health Sciences (COMAHS), Freetown, Sierra Leone, 8European CLInical Trials Platform & Development (EUCLID), Université de Bordeaux, Centre Hospitalier Universitaire Bordeaux, and Inserm, Bordeaux, France, 9Centre pour le Développement des Vaccins, Ministère de la Santé et du Développement Social du Mali, Bamako, Mali, 10Integrated Research Facility at Fort Detrick, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Frederick, MD, United States, 11French Agency for Research on AIDS and Viral Hepatitis (ANRS), Emerging Infectious Diseases, Paris, France, 12Vaccine Research Institute, Université Paris-Est Créteil, Créteil, France

11:45 a.m.  5784

HIGH DIMENSIONAL IMMUNOPHENOTYPING OF ACUTE EBOLA VIRUS INFECTED NONHUMAN PRIMATES

Andrew Platt, Sydney R. Stein, Scott M. Anthony, Bobbi Barr, Jeffrey R. Strich, Heather Teague, Michael Holbrook, Daniel S. Chertow

1National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States, 2National Institute of Allergy and Infectious Diseases, Fredrick, MD, United States, 3National Heart, Lung, and Blood Institute, Bethesda, MD, United States

Symposium 70

Holistic Approaches: Integrating the Complexity of Natural Systems into Public Health Research and Decision-Making

Regency Ballroom B - Ballroom Level (West Tower)
Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone

Healthy natural ecosystems are the foundation for thriving flora, fauna, and human societies. This interconnectedness between human societies and nature underpins many of the global issues that have been explored for decades in tropical medicine. At
Scientific Session 71

Arthropods/Entomology - Other

Regency Ballroom C - Ballroom Level (West Tower)
Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone

CHAIR
Zinsou Come Koukpo
Centre de Recherche Entomologique de Cotonou, Cotonou, Benin
Selma Jeronimo
Universidade Federal do Rio Grande do Norte, Natal, Brazil

10:15 a.m.  5785
CHARACTERIZING THE ROLE OF TICK SPECIES IN POWASSAN VIRUS FITNESS AND EVOLUTION
Rachel Elizabeth Lange1, Alan P Dupuis II1, Alexander T Clota2
1University at Albany School of Public Health and Wadsworth Center, Albany, NY, United States, 2Arbovirus Laboratory, Wadsworth Center NYSDOH, Slingerlands, NY, United States

10:30 a.m.  5786
ARE THE BITES OF NON-INFECTED SAND FLIES IMPORTANT FOR THE MAINTENANCE OF CUTANEOUS LEISHMANIASIS ANIMAL RESERVOIRS?
Pedro Cecilio1, Maria M. Disotuar, Tiago D. Serafim, Claudio Meneses, Jesus G. Valenzuela, Fabiano Oliveira
NIAID, NIH, Rockville, MD, United States

10:45 a.m.  5787
THE HUMAN SKIN MICROBIOTA CHANGES IN RESPONSE TO SCABIES INFESTATION, WITH AN INCREASE IN OPPORTUNISTIC PATHOGENS
Sara Taylor1, Martha Zakrzewski1, Charlotte Berniguad4, Troy Darben5, Olivier Chosidow4, Katja Fischer1
1QIMR Berghofer MRI, Brisbane, Australia, 2Dermatology Department, Assistance Publique des Hôpitaux de Paris (AP-HP), Hôpital Henri Mondor, Université Paris-Est, Créteil, France, 3King Edward Memorial Hospital Seth Gordhandas Sunderdas Medical College, Mumbai, India, 4Robina Skin Specialist Centre, Robina, Australia

11 a.m.  5788
EVALUATION OF THE EFFECT OF LONG LASTING INSECTICIDE IMPREGNATED BED NETS ON PHLEBOTOMUS ARGENTIPES EXPOSURE USING SALIVARY BIOMARKERS: AN EARLY ANALYSIS AFTER 6 MONTHS
Sachee Bhanu Piyasiri1, Sanath Senanayake1, Nilakshi Samaranayake1, Eva Iniguez2, Shaden Kamhawi1, Nadira Karunaweera1
1Faculty of Medicine, University of Colombo, Colombo, Sri Lanka, 2National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States

11:15 a.m.  5789
EXPANDING TOOLBOX FOR ODOR-BASED TSETSE FLY CONTROL IN EAST AFRICA
Paul O. Mirej1, Benson Wachira1, Richard Echoud1, Imma Malele1, Daniel Gamba1, Johnson Ouma1, Michael Okale1, Margaret Ng’ang’a1, Eric Masika1, Bernadatte Moraa1, Ahmed Hassanal1
1Biotechnology Research Institute, Kenya Agricultural and Livestock Research Organization, Kikuyu, Kenya, 2Kenyatta University, Nairobi, Kenya, 3Gulu University, Gulu, Uganda, 4Vector and Vector Borne Disease Institute (VVBID), Tanzania Veterinary Laboratory Agency (TVLA), Tanga, United Republic of Tanzania, 5Kenya Tsetse and Trypanosomiasis Eradication Council (KENTTEC), Nairobi, Kenya, 6Vector Health International (VHI), Arusha, United Republic of Tanzania, 7Kenyatta University, Kikuyu, Kenya

11:30 a.m.  5790
ONCHOCERCIASIS TRANSMISSION IN BENIN: BITING AND PAROUS RATE OF SIMULIUM DAMNOSUM COMPLEX ALONG THE OUEME, SOTA AND ZOU RIVERS
Pelagie M Boko-Collins1, Zinsou Come Koukpo1, Filémon Tokponnon1, Razaki Osse2, Germain Il Padonou1, Martin Akogbéto1
1Sightsavers, Cotonou, Benin, 2Centre de Recherche Entomologique de Cotonou, Cotonou, Benin

11:45 a.m.  5791
VERTICALLY INFECTED DOGS AS A RESERVOIR FOR LEISHMANIA INFANTUM IN AN ENDEMIC AREA FOR VISCERAL LEISHMANIASIS
Joanna Gardel Valverde1, Angelis Falcão1, Leticia Paula1, Damila de Melo1, José Flávio Coutinho1, Jean Pierre Araújo2, Ciro Fagundes2, Paulo Ricardo Porfinho do Nascimento1, Phillip Lawyer1, Jacob Oleson3, Mary E. Wilson4, Christine A. Petersen1, Selma B. Jerônimo1
1Federal University of Rio Grande do Norte, Natal, Brazil, 2Center for Zoonotic Control, Health Secretariat of Natal, Natal, Brazil, 3Monte L. Bean Life Science Museum, Brigham Young University, Salt Lake City, UT, United States, 4Department of Biostatistics, University of Iowa, Iowa City, IA, United States, 5Departments of Internal Medicine and Microbiology & Immunology, University of Iowa and the VA Medical Center, Iowa City, IA, United States, 6Department of Epidemiology, University of Iowa, Iowa City, IA, United States

Symposium 72

Evidence and Lessons Learned from the Malaria Vaccine Implementation Program (2019-2023)

Regency Ballroom D - Ballroom Level (West Tower)
Friday, October 20, 10:15 a.m. - Noon U.S. Central Time Zone

The Malaria Vaccine Implementation Program (MVIP), taking place in areas of Ghana, Kenya, and Malawi, will be completed at the end of this year (2023). Since the immunization programs in the three countries began vaccinations with RTS,S/AS01 (RTS,S) in 2019 as part of the MVIP, data have been collected on safety, impact, and feasibility of the four-dose regimen in routine use, and many lessons learned, including about how to increase and sustain uptake and coverage in the midst of a global pandemic. The evidence from 24 months of vaccine implementation informed the October 2021 World Health Organization (WHO) recommendation for the broader use of the vaccine to reduce child illness and deaths from malaria in regions with moderate to high Plasmodium falciparum transmission. This evidence also informed a decision by Gavi, the Vaccine Alliance, to finance a malaria vaccination program to support vaccine rollout. Demand for the vaccine is unprecedented, with at least 28 countries planning to
introduce the vaccine in the coming years, and more than a dozen countries having applied for support at the first opportunity in January 2023. In this symposium, the speakers will explain why a pilot implementation was recommended in 2015, present the full 46-month analysis of data from the MVIP evaluation, including data on vaccine impact, and share country perspectives on other important learnings from the pilot program, including pros and cons of the experience. The speakers will also share observations from the pilots that could help pave the pathway for future malaria vaccine introductions. Following a welcome and introduction by the symposium chair, John Bawa, the presentations will address the background to the malaria vaccine pilots and their design; present the full 46-month data analysis; provide a country perspective on the lessons learned from the pilots, including implementation challenges and opportunities; share additional scientific lessons learned (beyond safety, feasibility, and impact); and reflect on the pilot program’s implications for future malaria vaccine introductions.

CHAIR
John Bawa
PATH, Accra, Ghana
Eliane Furrer
World Health Organization, Geneva, Switzerland

10:15 a.m.
INTRODUCTION

10:25 a.m.
WHY A PILOT? KEY BACKGROUND ON THE RTS,S MALARIA VACCINE PILOTS
Eliane Furrer
World Health Organization, Geneva, Switzerland

10:35 a.m.
MALARIA VACCINE PILOT EVALUATION: SAFETY, IMPACT, AND FEASIBILITY ANALYSIS OF RTS,S 46 MONTHS POST-INTRODUCTION
Kwaku Poku Asante
Kintampo Health Research Centre, Kintampo, Ghana

10:50 a.m.
COUNTRY PERSPECTIVE ON LESSONS LEARNED FROM THE RTS,S MALARIA VACCINE PILOTS
Kwame Amponsa-Achiano
Ghana Health Service, Accra, Ghana

11:05 a.m.
BEYOND SAFETY, FEASIBILITY, AND IMPACT: LESSONS LEARNED FROM THE RTS,S MALARIA VACCINE PILOTS
Mary J. Hamel
World Health Organization, Geneva, Switzerland

11:20 a.m.
KEY TAKEAWAYS FROM THE RTS,S MALARIA VACCINE PILOT EXPERIENCE AND IMPLICATIONS FOR FUTURE MALARIA VACCINE INTRODUCTIONS
John Bawa
PATH, Accra, Ghana

Exhibit Hall Open
Riverside Center - Exhibit Level (East Tower)
Friday, October 20, Noon- 1:30 p.m. U.S. Central Time Zone
**Poster Session 73**

**Poster Session B Presentations**

Riverside Center - Exhibit Level (East Tower) and Grand Hall GHI – Ballroom Level (East Tower)

Friday, October 20, Noon - 1:45 p.m.

**Poster Session B Directory**

Global Health - Diversity, Inclusion, Decolonization and Human Rights: 5792- 5809

Global Health - Information/Communication/Technologies Solutions in Global Health including Modeling: 5810-5825

Global Health – Other: 5826-5851

Global Health - Security/Emerging Infection Preparedness, Surveillance and Response(s): 5852-5878

Mosquitoes - Biology and Genetics of Insecticide Resistance: 5879-5892

Mosquitoes - Biology, Physiology and Immunity: 5893- 5905

Mosquitoes - Bionomics, Behavior and Surveillance: 5906- 5926

Mosquitoes - Epidemiology and Vector Control: 5927- 5956

Mosquitoes - Molecular Biology, Population Genetics and Genomics: 5957- 5972

Viruses - Emerging Viral Diseases: 5973- 5989

Viruses – Epidemiology: 5990- 6006

Viruses - Evolution and Genomic Epidemiology: 6007- 6016

Viruses - Field and ecological studies of viruses, including surveillance and spillover risk and emergence: 6017- 6030

Viruses – Immunology: 6031- 6045

Malaria - Antimalarial Resistance and Chemotherapy: 6046- 6067

Malaria - Diagnosis - Challenges and Innovations: 6068- 6086

Malaria - Drug Development and Clinical Trials: 6087- 6099

Malaria – Elimination: 6100- 6115

Malaria – Epidemiology: 6116- 6139

Malaria - Genetics, Genomics and Evolution: 6140- 6156

Malaria – Immunology: 6157- 6167

Malaria – Pathogenesis: 6168- 6178

Malaria – Prevention: 6179- 6204

Malaria – Surveillance and Data Utilization: 6205- 6224

Malaria – Transmission Biology: 6225- 6238

Malaria - Vaccines and Immunotherapeutics: 6239- 6250

Bacteriology – Enteric Infections: 6251- 6262

Bacteriology – Trachoma: 6263- 6266

Cestodes (including taeniasis and cysticercosis, echinococcosis/ hydatid disease, and others): 6267- 6275

Helminths – Nematodes – Intestinal Nematodes: 6276- 6287

Clinical Tropical Medicine: 6288- 6304

HIV and Tropical Co-Infections: 6305- 6316

Integrated Control Measures for Neglected Tropical Diseases (NTDs): 6317- 6327

Kinetoplastida and Other Protozoa - Immunology (Including Leishmania and Trypanosomes): 6328- 6337

Kinetoplastida and Other Protozoa - Infection, Cellular and Molecular Biology (Including Leishmania and Trypanosomes): 6338- 6344

Kinetoplastida and Other Protozoa - Treatment, Drug Delivery, Drug Repurposing and Drug Discovery (Including Leishmania and Trypanosomes): 6345- 6352

Kinetoplastida and Other Protozoa - Vaccines (Including Leishmania and Trypanosomes): 6353

One Health: The Interconnection between People, Animals, Plants and Their Shared Environment: 6354- 6365

Pneumonia, Respiratory Infections and Tuberculosis: 6366- 6381

Schistosomiasis and Other Trematodes – Epidemiology and Control: 6382- 6389

Schistosomiasis and Other Trematodes – Immunology, Pathology, Cellular and Molecular Biology: 6390- 6393

Water, Sanitation, Hygiene and Environmental Health: 6394- 6403

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Global Health - Diversity, Inclusion, Decolonization and Human Rights

**5792**

**ASSOCIATION OF HIV/AIDS WITH PSYCHIATRIC ILLNESS AMONG TRANSGENDER POPULATION IN A LOW HIV PREVALENCE COUNTRY**

Nayem Akhter Abbassi, Hetal Uddin Ahmed, Mohammad Tariqul Alam, Mehkala Sarkar, Lubaba Shahrin

National Institute of Mental Health, Dhaka, Bangladesh; icddr,b, Dhaka, Bangladesh

**5793**

**SYNTHESIS OF FINDINGS FROM THE LITERATURE AND A QUALITATIVE RESEARCH STUDY ON THE IMPACTS OF GENDER, DISABILITY, AND ETHNICITY IN NEGLECTED TROPICAL DISEASES PROGRAMMING**

Jennifer K. Anney, Maureen K. Headland, Andrea M. Bertone, Diana Stukel

FHI 360, Washington, DC, United States

**5794**

**NEEDS AND PREFERENCE FOR COMMUNITY HEALTH WORKER SERVICES IN CAMBODIA: A COMMUNITY SURVEY**

Panarasri Khongputsa, Long Heng Orng, Monnaphat Jongdeeapaisal, Christopher Pell, Siv Sovannaroth, Massaya Sirimatayanant, Richard J. Maude

Mahidol Oxford Research Unit, Bangkok, Thailand; Amsterdam Institute for Social Science Research, University of Amsterdam, Amsterdam, Netherlands; National Center for Parasitology, Entomology and Malaria Control (CMN), Phnom Penh, Cambodia

**5795**

**ARMED CONFLICT REFUGEES’ RESILIENCE: TRANSDISCIPLINARY STUDY ON A DIALOG FOR HEALTH PREVENTION IN THE EASTERN DEMOCRATIC REPUBLIC OF CONGO**

Christian Abadi Irenege, Freddy Bikolil, Rodrigue Fikiri Bavaruha, Benedicte Sakina, Yves Coppieeters

Official University of Bukavu, Bukavu, Democratic Republic of the Congo; Antwerp University, Antwerp, Belgium; Université Libre Des Pays Des Grands Lacs, Goma, Democratic Republic of the Congo; School of Public Health, ULB, Bruxelles, Belgium

**5796**

**LIVING WITH HANSEN’S DISEASE IN MALAYSIA: A TRANSDISCIPLINARY RESEARCH APPROACH**

Norana Abdul Rahman, Vaikunthan Rajaratnam, Ruth M. H. Peters, Karen Morgan, Mohamed Rusli Abdullah, Marjolein B. M. Zweerkhorst

Athena Institute, Vrije University, Amsterdam, Netherlands; Khoo Teck Puat Hospital, Singapore, Singapore; Perdana University-Royal College of Surgeons in Ireland School of Medicine, Kuala Lumpur, Malaysia; Universiti Sains Malaysia, Kota Bharu, Malaysia
CHARACTERISTICS ASSOCIATED WITH SARS-COV-2 SEROPOSITIVITY IN CAMEROON

Ebako Ndip Takem, Clement B. Ndongmo, Judith Shang, Adama N’Dir, Dubliß Nguafack, Gabriel Ekali, Emily K. Dokuß

1Centers for Disease Control and Prevention, Yaoundé, Cameroon, 2International Center for AIDS Care and Treatment Program, Yaoundé, Cameroon, 3Centers for Disease Control and Prevention, Kingston, Jamaica

CONCEPTUALIZING AND UNDERSTANDING STIGMA ASSOCIATED WITH CL IN A RURAL COMMUNITY OF SRI LANKA

Hasara Nuwangi, Lisa Dikomitis, Kosala G. Weerakoon, Suneth B. Agampodi, Thilini C. Agampodi

1Department of Community Medicine, Faculty of Medicine and Allied Sciences, Rajarata University of Sri Lanka, Anuradhapura, Sri Lanka, 2Kent and Medway Medical School, University of Kent and Canterbury Christ Church University, Canterbury, United Kingdom, 3Department of Parasitology, Faculty of Medicine and Allied Sciences Rajarata University of Sri Lanka, Anuradhapura, Sri Lanka, 4International Vaccine Institute, Seoul, Republic of Korea

INTEGRATING AND ACCESSING EQUITY IN GLOBAL HEALTH PROGRAM DESIGN

Vajra Allan, Chistelle Gogue, Krya Arnett, Brianna Musselman, Peder Digre, Bindiya Patel

1PATH, Seattle, WA, United States, 2PATH, Washington, DC, United States

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1John Snow Inc, Kampala, Uganda, 2John Snow Inc, Boston, VA, United States, 3John Snow Inc, Dar es Salaam, United Republic of Tanzania

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Botswana Harvard Health Partnership, Gaborone, Botswana

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Zoha Mian

University of Louisville, Louisville, KY, United States

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Zoha Mian

University of Louisville, Louisville, KY, United States

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Northwestern University, Chicago, IL, United States

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1University of Michigan Medical School, Ann Arbor, MI, United States, 2Medical School for International Health, Ben Gurion University of the Negev, Beerseheba, Israel, 3Team fEMR, Cleveland, OH, United States, 4Department of Emergency Medicine, University of Michigan, Ann Arbor, MI, United States

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1Universidad de Carabobo, Valencia, Bolivarian Republic of Venezuela, 2Center for Global Health, Colorado School of Public Health, Aurora, CO, United States, 3Universidad Industrial de Santander, Bucaramanga, Colombia, 4Instituto de Medicina Tropical Alexander von Humboldt, Universidad Peruana Cayetano Heredia, Lima, Peru, 5Universidad Católica Santiago de Guayaquil, Guayaquil, Ecuador, 6Division of Infectious Disease and Tropical Medicine, Center for Infectious Diseases, Heidelberg University Hospital, Heidelberg, Germany, 7Section Clinical Tropical Medicine, Heidelberg University Hospital, Heidelberg, Germany, 8WHO Regional Office for Europe, Office for quality of care, Athens, Greece, 9Centro de Investigación en Enfermedades Infecciosas, Instituto Nacional de Salud
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Sooyoung Kim1, Asad Lilani2, Kate Campana1, Yesim Tozan1
1New York University School of Global Public Health, New York, NY, United States, 2The Access Challenge, New York, NY, United States

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1Imperial College London, London, United Kingdom, 2National Malaria Control Programme, Ministry of Health, Dodoma, United Republic of Tanzania, 3Centers for Disease Control and Prevention, Atlanta, GA, United States

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1University of Pennsylvania, Philadelphia, PA, United States, 2Children's Hospital of Philadelphia, Philadelphia, PA, United States, 3University of Georgia, Athens, GA, United States

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1University of Notre Dame, Notre Dame, IN, United States

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1UNISANTE, Lausanne, Switzerland, 2SwissTPH, Kigali, Rwanda, 3SwissTPH, Allschwil, Switzerland

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1, 2International Vaccine Institute, Seoul, Republic of Korea, 3Department of Epidemiology and Health Promotion, University of Pennsylvania, Philadelphia, PA, United States

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1Department of Community medicine, faculty of medicine and allied sciences, Rajarata University of Sri Lanka, Andrapahura, Sri Lanka, 2Department of Sociology, University of Colombo, Colombo, Sri Lanka, 3International Vaccine Institute, Seoul, Republic of Korea

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1Elizabeth R Griffin Program at Georgetown University, Washington DC, United States, 2George Washington University, Washington DC, United States, 3International Vaccine Institute, Seoul, Republic of Korea

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1University of Melbourne, Parkville, Australia, 2Telethon Kids Institute, Nedlands, Australia

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1Department of Infectious Disease Epidemiology, Faculty of Epidemiology and Population Health, School of Public Health, London, United Kingdom, 2School of Global Health, Faculty of Health and Social Sciences, University of Kent, Canterbury, United Kingdom, 3Department of Environmental Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States, 4Children’s Hospital of Philadelphia, Philadelphia, PA, United States, 5Department of Environmental Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States, 6Department of Medical Epidemiology, School of Public Health, Stockholm University, Stockholm, Sweden, 7School of Public Health, University of Michigan, Ann Arbor, MI, United States, 8Department of Environmental Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States, 9Department of Environmental Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States, 10School of Public Health, University of Michigan, Ann Arbor, MI, United States, 11Department of Environmental Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States, 12Department of Geographical & Environmental Health, Boston University School of Public Health, Boston, MA, United States

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1Department of Infectious Disease Epidemiology, Faculty of Epidemiology and Population Health, School of Public Health, London, United Kingdom, 2School of Global Health, Faculty of Health and Social Sciences, University of Kent, Canterbury, United Kingdom, 3School of Public Health, University of Michigan, Ann Arbor, MI, United States, 4Department of Environmental Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States, 5Department of Medical Epidemiology, School of Public Health, Stockholm University, Stockholm, Sweden, 6School of Public Health, University of Michigan, Ann Arbor, MI, United States
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1Department of Tropical Medicine, Bernhard Nocht Institute for Tropical Medicine & I. Department of Medicine, University Medical Center Hamburg-Eppendorf, Hamburg, Germany, 2Department of Social Work and Social Administration, Makerere University, Kampala, Uganda, 3Department of Nursing and Health Sciences, Bishop Stuart University, Mbarara, Uganda, 4Cluster Monitoring and Evaluation Lead, Rakai Health Sciences Program, Masaka, Uganda, 5Unit Medical Anthropology and Global Health, Department of Social and Preventive Medicine, Center for Public Health, Medical University of Vienna, Vienna, Austria

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1CISM, Maputo, Mozambique, 2Emory Global Health Institute, Atlanta, GA, United States, 3Globlal, Barcelona, Spain

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1School of Public Health, University of California, Berkeley, Berkeley, CA, United States, 2International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh, 3Department of Medicine, Duke University, Durham, NC, United States, 4Francis I. Proctor Foundation, University of California, San Francisco, San Francisco, CA, United States, 5Department of Biobehavioral Health, Pennsylvania State University, University Park, PA, United States, 6Department of Nutrition, University of California, Davis, CA, United States, 7EpigenDx, Inc., Hopkinton, MA, United States, 8Division of Infectious Diseases and Geographic Medicine, Stanford University, Stanford, CA, United States, 9Institute for Interdisciplinary Salivary Bioscience Research, University of California, Irvine, Irvine, CA, United States

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1Global Institute for Disease Elimination, Abu Dhabi, United Arab Emirates, 2Medicines Development for Global Health, Melbourne, Australia, 3FN3, Geneva, Switzerland, 4Mckinsey, Abu Dhabi, United Arab Emirates, 5McKinsey, Montreal, QC, Canada, 6MedAccess, London, United Kingdom, 7Univercells, Brussels, Belgium, 8DNDi, Geneva, Switzerland, 9Medicines for Malaria Venture, Geneva, Switzerland, 10Global Health Innovative Technology Fund, Tokyo, Japan, 11Matahari Global Solutions, Kuala Lumpur, Malaysia, 12Wilton Park, Steyning, United Kingdom, 13The END Fund, New York City, NY, United States, 14Novartis, Nairobi, Kenya, 15Merck, New York City, NY, United States, 16Merck Global Health Institute, Geneva, Switzerland
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1dodowa health research centre, Accra, Ghana, 2Big Data Institute, Nuffield Department of Medicine, University of Oxford, Oxford, United Kingdom

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1University of Antwerp, Antwerp, Belgium, 2University of Kinshasa, Kinshasa, Democratic Republic of the Congo, 3Institute of Tropical Medicine, Antwerp, Belgium

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1Kenya Medical Research Institute, Kisumu, Kenya, 2Nyanga Health Research Institute, Salima, Malawi, 3Kisumu County Health Department, Kisumu, Kenya, 4Kenya Medical Research Institute, Kisumu, Kenya, 5Centers for Disease Control and Prevention, Atlanta, GA, United States, 6Emory University School of Medicine, Atlanta, GA, United States, 7Emory University, Atlanta, GA, United States, 8US Centers for Disease Control and Prevention, Kisumu, Kenya

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1University of Notre Dame, Notre Dame, IN, United States

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1Centro de Investigação em Saúde de Manhiça, Maputo, Mozambique, 2Center for Global Health, Centers for Disease Control and Prevention, Atlanta, GA, United States, 3Emory University, Atlanta, GA, United States, 4ISGlobal - Hospital Clinic, Universitat de Barcelona, Barcelona, Spain

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Georgetown University, Washington, DC, United States, Global Implementation Solutions, Chicago, IL, United States, Global Implementation Solutions, Nairobi, Kenya, Johns Hopkins University, Baltimore, MD, United States

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Aga Khan University, Karachi, Pakistan, Yale University, New Haven, CT, United States

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Yale University, New Haven, CT, United States, Aga Khan University, Karachi, Pakistan, Aga Khan University, Karachi, Pakistan

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Eminence Associates for Social Development, Dhaka, Bangladesh, Dept. of Cardiology, Dhaka Medical College, Dhaka, Bangladesh, Department of Non-communicable Disease Control Program, Directorate General of Health Service of Bangladesh, Dhaka, Bangladesh, Public Health Foundation of India (PHFI), New Delhi, India, World Heart Federation, Geneva, Switzerland, Department of Epidemiology, Prince of Songkla University, Hat Yai, Thailand

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Institute of Epidemiology, Disease Control and Research (IEDCR), Dhaka, Bangladesh, EcoHealth Alliance, New York, NY, United States, Directorate General of Health Services, Ministry of Health and Family Welfare, Dhaka, Bangladesh

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Global Health Institute, Department of Family Medicine and Population Health, University of Antwerp, Wilrijk, Belgium, Tropical Medicine Department, University of Kinshasa, Kinshasa, Democratic Republic of the Congo, Division Provinciale de la Santé de la Tshuapa, Boende, Democratic Republic of the Congo, Department of Family Medicine and Population Health, University of Antwerp, Wilrijk, Belgium, Centre for the Evaluation of Vaccination, Vaccine and Infectious Disease Institute, University of Antwerp, Wilrijk, Belgium

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Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya, Department of Emerging Infectious Diseases, Nairobi, Kenya, Kenya Medical Research Institute, Centre for Emerging Infectious Serveillance, Nairobi, Kenya, Armed Forces Pest Management Board, Silver Spring, MD, United States, Armed Forces Pest Management, Silver Spring, MD, United States, Department of Emerging Infectious Diseases, United States, Silver Spring, MD, United States

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icddr,b, Dhaka, Bangladesh, Institute of Epidemiology, Disease Control and Research (IEDCR), Dhaka, Bangladesh, EcoHealth Alliance, New York, NY, United States, Centers for Disease Control and Prevention (CDC), Atlanta, GA, United States

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US Naval Medical Research Unit #3, Cairo Detachment, Cairo, Egypt, Center of Public Health, Jordan, Amman, Jordan, Communicable Disease Directorate, Ministry of Health, Jordan, Amman, Jordan

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Barcelona Institute for Global Health, ISGlobal, Barcelona, Spain, QUATRIM, Cochabamba, Plurinational State of Bolivia
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Stephen B. Kennedy1, Laura J. Ridge1, Hannah Berrian1
1, UCL-PIRE Africa Center, University of Liberia, Monrovia, Liberia, 2University of Michigan, Ann Arbor, MI, United States

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Bikioli Bolombo Freddy1, Maha Salloum1, Antea Paviotti2, Muhindo Mavoko Hypolite3, Mitashi Mulopo Patrick4, Hilde Bastiaens5, Pierre Van Damme6, Jean-Pierre Van Geertruyden7
1Department of Tropical medicine, University of Kinshasa, Kinshasa, Democratic Republic of Congo, 2Department of Tropical medicine, University of Kinshasa, Kinshasa, Democratic Republic of the Congo, 3Department of Tropical medicine, University of Kinshasa, Kinshasa, Democratic Republic of the Congo, 4Department of Tropical medicine, University of Kinshasa, Kinshasa, Democratic Republic of the Congo, 5Department of Tropical medicine, University of Kinshasa, Kinshasa, Democratic Republic of the Congo, 6Global Health Institute and Centre for the Evaluation of Vaccination, University of Antwerp, Antwerp, Belgium, 7Center for the Evaluation of Vaccination, University of Antwerp, Antwerp, Belgium

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Tebogo TeloMamalela1, Savannah Karmen-Tuohy2, Lettie Chimbwete3, Diteboho J. Mokone1, Tenrence Mukhuwar1, Roger Shapiro1, Sara Schwankie Khilij1
1University of Botswana, Gaborone, Botswana, 2NYU Grossman School of Medicine, New York, NY, United States, 3University of Pretoria, Pretoria, South Africa, Ministry of Health, Gaborone, Botswana, 4Botswana-Harvard AIDS Institute Partnership, Gaborone, Botswana, 5Oregon Health & Science University, Gaborone, OR, United States

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1Department of Tropical medicine, University of Kinshasa, 2Global Health Institute and Centre for the Evaluation of Vaccination, University of Antwerp, 3Antwerp, Belgium, 4Global Health Institute and Centre for the Evaluation of Vaccination, University of Antwerp, 5Antwerp, Belgium, 6Department of Tropical medicine, University of Kinshasa, Kinshasa, Democratic Republic of Congo, 7Department of Tropical medicine, University of Kinshasa, Kinshasa, Democratic Republic of Congo, 8Department of Tropical medicine, University of Kinshasa, Kinshasa, Democratic Republic of Congo, 9Global Health Institute and Centre for the Evaluation of Vaccination, University of Antwerp, 10Antwerp, Belgium

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1U.S. Naval Medical Research Unit No. 3, Sigonella, Italy, 2U.S. Naval Medical Research Unit No. 3, Accra, Ghana

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1Department of Biological Sciences, Eck Institute for Global Health, University of Notre Dame, Notre Dame, IN, United States, 2Belize Vector and Ecology Center, Orange Walk, Belize, 3Naval Medical Research Center, Diagnostic and Surveillance Department, Silver Spring, MD, United States, 4The Walter Reed Biosystematics Unit, Smithsonian Institution, Suitland, MD, United States

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1Kenya Medical Research Institute -KEMRI, Kisumu, Kenya, 2County Department of Health, Kisumu, Kenya, 3Nyarija Health Research, Kisumu, Kenya, 4Division of Global Health, Centers for Disease Control and Prevention, Kisumu, Kenya

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Sumeha Asthana1, Sanjana Mukherjee2, Alexandra L. Phelan3, Claire J. Standley4
1Georgetown University, Washington, DC, United States, 2Johns Hopkins University, Baltimore, MD, United States

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Vroh Joseph Benie Bi1, Konan Ignace Kouame2, Issaka Tiembre2, Mireille Dosso2
1National Institute of Public Hygiene, Abidjan, Côte d’Ivoire, 2Tanda Health District, Tanda, Côte d’Ivoire, 3Pasteur Institute, Abidjan, Côte d’Ivoire

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1, Jhpiego, Ouagadougou, Burkina Faso, 2Ministère de la santé, Ouagadougou, Burkina Faso, 3Jhpiego, Baltimore, MD, United States
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GiDO, Universidad Nacional de Misiones - CONICET, Posadas, Argentina

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Khadidiatou Cissé - Niambélé1, Guibehi Benjamin koudou1, Jacob Koella1
1University of Neuchatel, Neuchatel, Switzerland, -Centre Suisse de Recherches Scientifiques en Cote d’Ivoire (CSRSC), Abidjan, Côte d’Ivoire

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1Ifakara Health Institute, Ifakara, United Republic of Tanzania, 2International Centre of Insect Physiology and Ecology, Nairobi, Kenya, Nairobi, Kenya

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Wesley Jefferson Maurice Kongbo Gbassinga, Amadou Guindo, Mamadou Brahima Coulibaly
International Center for Excellence in Research (ICER-MAI), Bamako, Mali

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1PMI VectorLink Guinea, 2ABT ASSOCIATES INC, Conakry, Guinea, 3PMI VectorLink Guatemala, 4ABT ASSOCIATES INC, Conakry, Guinea, 5U.S. President’s Malaria Initiative (PMI), U.S. Centers for Disease Control and Prevention (CDC), Guinea, Conakry, Guinea, 6U.S. President’s Malaria Initiative (PMI), U.S.

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1University of Neuchatel, Neuchatel, Switzerland, 2Centre Suisse de Recherches Scientifiques ACMCIP Abstract

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1London School of Hygiene & Tropical Medicine, London, United Kingdom, 2Center for Research in Human, Heredity, and Health in Africa H3ABionet

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1Ifakara Health Institute, Ifakara, United Republic of Tanzania, 2Centre of Insect Physiology and Ecology, Nairobi, Kenya, 3International Centre of Insect Physiology and Ecology, Nairobi, Kenya, 4University of Nairobi, Nairobi, Kenya, 5Regional Institute of Public Health Research (IRSPR), Duida, Benin

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1Ludwig-Maximilian-University, Munich, Germany, 2University of Cape Coast, Cape Coast, Ghana

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1University of Ghana and Biotechnology and Nuclear Agriculture Research Institute (BNARI), Accra, Ghana, 2Centre for Research in Infectious Diseases (CRID), Yaounde, Cameroon, 3Biotechnology and Nuclear Agriculture Research Institute (BNARI), Accra, Ghana, 4Noguchi Memorial Institute for Medical Research, Accra, Ghana
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1Universidad Nacional Autónoma de Honduras, Tegucigalpa, Honduras, 2Unidad de Vigilancia Epidemiológica, Región Sanitaria de Gracias a Dios, Secretaría de Salud, Puerto Lempira, Gracias a Dios, Honduras, 3Secretaria de Salud, Tegucigalpa, Honduras, 4Clinton Health Access Initiative, Tegucigalpa, Honduras, 5Clinton Health Access Initiative, Ciudad de Panamá, Panama

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1National Malaria Control Programme, The Gambia, Banjul, Gambia, 2Medical Research Council Unit The Gambia at the London School of Hygiene & Tropical Medicine (MRCG at LSHTM), Banjul, Gambia, 3PATH, Seattle, WA, United States

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1Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States

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Emre Aksoy, Shriya Anandjee, Naresh Singh, Robert W. Shaw, Flaminia Catteruccia
1Harvard TH Chan School of Public Health, Boston, MA, United States, 2Harvard TH Chan School of Public Health/Howard Hughes Medical Institute, Boston, MA, United States

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University of Hawaii at Manoa, Honolulu, HI, United States

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Tulane University, New Orleans, LA, United States

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Institute of Tropical Medicine Antwerp, Antwerp, Belgium

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NIH, Rockville, MD, United States

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George Rafael Samantsidis, Hyeongsun Kwon, Megan Rogers, Catherine Fonder, Ryan Chad Smith
Department of Plant Pathology, Entomology and Microbiology, Iowa State University, Ames, IA, United States

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1The Pennsylvania State University, State College, PA, United States, 2University of Cincinnati, Cincinnati, OH, United States

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1Conest College, Ithaca, NY, United States, 2Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

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1Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, 2Macha Research Trust, Choma District, Zambia
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Johns Hopkins University, Baltimore, MD, United States

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Alex Moon, Zarna Pali, Joel Vega-Rodriguez, Jiannong Xu
\(^1\)New Mexico State University, Las Cruces, NM, United States, \(^2\)National Institutes of Health, Bethesda, MD, United States

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Carine Tchibozo, Gildas Hounkanin, Anges Yadouléton, Hanna Joest
\(^1\)Laboratoire de références des fièvres hémorragiques et arbovirus du Bénin, Cotonou, Benin, \(^2\)Laboratoire de références des fièvres hémorragiques et arbovirus du Bénin/ Ecole Normale Superieure de Natlingou, National University of Science, Technology, Engineering and Mathematics (UNSTIM), Cotonou, Benin, \(^3\)Bernhard Nocht Institute for Tropical Medicine, WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research, Hamburg, Germany, Cotonou, Benin

SURVEILLANCE OF ARTHROPOD-BORNE VIRUSES IN NIGER DELTA REGION OF NIGERIA
Chioma Cynthia Ojianwuna, Victor Ngozi Enwemike, Andy Ogochukwu Egwurunyenga, Chioma Amaioh
\(^1\)Delta State University, Abraka, Nigeria, \(^2\)National Malaria Control Programme of Nigeria, \(^3\)National Malaria Control Programme of Nigeria

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Ifakara Health Institute, Morogoro, United Republic of Tanzania

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Krystal Birungi, Danspaid P. Mabuka, Victor Balyesima, Frederic Tripet, Jonathan K. Kayondo
\(^1\)Uganda Virus Research Institute, Entebbe, Uganda, \(^2\)Swiss Tropical and Public Health Institute, Allschwil, Switzerland

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\(^1\)University of Ghana, Accra, Ghana, \(^2\)University of Nevada, Reno, NV, United States

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Winifrida P. Mponzi
Ifakara Health Institute, Dar Es Salaam, United Republic of Tanzania

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\(^1\)Centre for Global Health Research, Kenya Medical Research Institute, Kisumu, Kenya, \(^2\)PMI Kinga Malaria Project, Abt Associates, Kisumu, Kenya, \(^3\)National Museums of Kenya, Nairobi, Kenya, \(^4\)Pan African Mosquito Control Association, Nairobi, Kenya, \(^5\)World Health Organization, Nairobi, Kenya, \(^6\)Centre for Biotechnology Research and Development, Kenya Medical Research Institute, Nairobi, Kenya, \(^7\)Centre for Disease Control and Prevention, Atlanta, GA, United States, \(^8\)Centre for Geographical Medicine Research, Kenya Medical Research Institute, Kilifi, Kenya, \(^9\)Division for National Malaria Program, Ministry of Health, Nairobi, Kenya

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\(^1\)London School of Hygiene & Tropical Medicine, London, United Kingdom, \(^2\)National Public Health Institute of Djibouti, Djibouti, \(^3\)National Malaria Control Programme of Djibouti, Djibouti, Djibouti

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\(^1\)Noguchi Memorial Institute for Medical Research, Accra, Ghana, \(^2\)School of Public Health, University of Ghana, Accra, Ghana

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Winifrida P. Mponzi
Ifakara Health Institute, Dar Es Salaam, United Republic of Tanzania

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1Ifakara Health Institute, Morogoro, United Republic of Tanzania; 2University of California San Francisco, Malaria Elimination Initiative/Manhiça Health Research Center, Maputo, Mozambique; 3National Malaria Elimination Program, Accra, Ghana; 4Program in Public Health, College of Global Public Health, Department of Emerging Infectious Diseases, State University of New York at Stony Brook, Stony Brook, NY, United States.

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1University of California San Francisco, Malaria Elimination Initiative/Manhiça Health Research Centre, San Francisco/Maputo, Mozambique; 2University of California San Francisco, Malaria Elimination Initiative, San Francisco, CA, United States; 3Programa Nacional do Controlo da Malária, Ministério da Saúde, Maputo, Mozambique; 4University of the Witwatersrand, Johannesburg, South Africa, 5Liverpool School of Tropical Medicine, Liverpool, United Kingdom; 6University of Glasgow, Glasgow, United Kingdom; 7University of California San Francisco, Malaria Elimination Initiative, San Francisco, CA, United States; 8Manhica Health Research Center/University of California San Francisco, Maputo, Mozambique; 9Mozambique; 10University of California San Francisco, Malaria Elimination Initiative, San Francisco, CA, United States; 11Lancaster University, Lancaster, United Kingdom; 12University of California San Francisco, Malaria Elimination Initiative, San Francisco/University of Notre Dame, San Francisco, CA, United States

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Faith I. Ebhodaghe1, Irma Sanchez-Vargas1, Tatiana Vorontsova1, Clement Isaac1, Elizabeth Hemming-Schroeder2

1Colorado State University, Fort Collins, CO, United States; 2Ambrose Alli University, Ekpoma, Edo State, Nigeria

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Isaac Olayinka Oweye1, Comfort A. Ibigbina2

1Babcock University, Ilisan Remo, Nigeria; 2Lagos State University, Lagos, Nigeria

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1Colorado State University, Fort Collins, CO, United States; 2University of California San Francisco, Malaria Elimination Initiative, Entebbe, Uganda

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Risper Majisaba1

1Department of Emerging Infectious Diseases (DEID), United States Army Medical Research Directorate-Kenya (USAMRDC-K), Kenya Medical Research Institute (KEMRI), Kisumu, Kenya

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1University of Nairobi, Nairobi, Kenya; 2Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya; 3Sub-Saharan Africa International Center of Excellence for Malaria Research, Tom Mboya University, Kisumu, Kenya; 4Program in Public Health, College of Health Sciences, University of California at Irvine, Irvine, CA, United States; 5Pwani University, Mombasa, Kenya; 6Eastern and Southern Africa Centre of International Parasite Control, Kenya Medical Research Institute, Nairobi, Kenya; 7Centre for Global Health and Disease, Case Western Reserve University, Cleveland, OH, United States; 8Centre for Global Health Research, Kenya Medical Research Institute, Kisumu, Kenya

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1Noguchi Memorial Institute for Medical Research, Legon, Ghana; 2Department of Parasitology, Noguchi Memorial Institute for Medical Research, Legon, Ghana; 3Noguchi Memorial Institute for Medical Research, Accra, Ghana

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Joel Lutomiah1, Francis Mulwa1, James Mutisya1, Betty Chelangat1, Edith Chepkorir1

1Kenya Medical Research Institute (KEMRI), Nairobi, Kenya

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1Manhica Health Research Center/University of California San Francisco, Maputo, Mozambique/San Francisco, California, Mozambique; 2Manhica Health Research Center, Maputo, Mozambique; 3MRC Centre for Global Infectious Disease Analysis, Imperial College, London, United Kingdom; 4Wits Research Institute for Malaria, Faculty of Health Sciences, University of the Witwatersrand, Johannesburg, South Africa; 5Cebet for Evolution and Medicine, School of Life Sciences/ Biodesign Center for Immunotherapy, Vaccines, and Virotherapy, Arizona State, AZ, United States

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1Faculdade de Medicina de Sao Jose do Rio Preto, Sao Jose do Rio Preto, Brazil; 2Superintendência de Controle de Endemias, Sao Jose do Rio Preto, Brazil; 3Universidade Federal de Minas Gerais, Belo Horizonte, Brazil; 4The University of Texas Medical Branch, Galveston, TX, United States
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Chaminda Prasad Gigummadawu Liyanage1, Joacim Rocklöv1, Hasitha Aravinda Tissera1, Yessim Tozan2
1School of Global Public Health, New York University, New York, NY, United States, 2Heidelberg Institute of Global Health & the Interdisciplinary Center for Scientific Computing, University of Heidelberg, Heidelberg, Germany, *Epidemiology Unit, Ministry of Health, Colombo, Sri Lanka

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1Pozomy Federal, Landover, MD, United States, 2Ponce Health Sciences University and Saint Luke’s Episcopal Hospital Consortium, Ponce, Puerto Rico, 3Division of Vector Borne Diseases, Centers for Disease Control and Prevention, San Juan, Puerto Rico, 4Puerto Rico Vector Control Unit, Puerto Rico Science, Technology, and Research Trust, San Juan, Puerto Rico

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Center for Evolution and Medicine, School of Life Sciences, Arizona State University, Tempe, AZ, United States

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Jose G. Juarez1, Harold Suazo1, Jacqueline Mojica1, Maria Mercedes Lopez1, Angel Baltamez1, Eva Harris3, Mary Chambers3, Joel Tarning1, Lorenz von Seidlein1, Claus Bøgh4
1School of Global Public Health, New York University, New York, NY, United States, 2Harvard T.H. Chan School of Public Health, Boston, MA, United States, 3Division of Infectious Diseases and Vaccinology, School of Public Health, Virología, Centro Nacional de Diagnóstico y Referencia, Ministerio de Salud, Managua, Nicaragua, 4Epidemiology Unit, Ministry of Health, Colombo, Sri Lanka

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1Mahidol Oxford Tropical Medicine Research Unit, Bangkok, Thailand, 2University of Gadjah Mada, Yogyakarta, Indonesia, 3Oxford University Clinical Research Unit, Ho Chi Minh City, Vietnam, 4Sumba Foundation, Sumba, Indonesia

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Ariel Livne1, Elly Ordan1, Yoni Waitz1, Noa Dahan1
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1Brown University Providence, RI, United States, 2Carolina Population Center, Chapel Hill, NC, United States, 3Kenya Medical Research Institute, Nairobi, Kenya

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1Ministère de la Santé, Cotonou, Benin, 2US Agency for International Development, Cotonou, Benin, 3US Centers for Disease Control and Prevention, Atlanta, GA, United States

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1Ifakara Health Institute, Bagamoyo, United Republic of Tanzania, 2MCC47, Montpellier, France, 3Vego Aps, Copenhagen, Denmark, 4London School of Hygiene & Tropical Medicine, London, United Kingdom

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Thomas Syme1, Juniciwe Ahoga2, Abel Agebo2, Corine Ngufor2
1London School of Hygiene & Tropical Medicine, London, United Kingdom, 2Centre de Recherche Entomologique de Cotonou, Cotonou, Benin

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1Paris, 2France, 3IRSS, Bobo-Dioulasso, Burkina Faso

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1Ministère de la Santé, Cotonou, Benin, 2US Agency for International Development, Cotonou, Benin, 3US Centers for Disease Control and Prevention, Atlanta, GA, United States
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Saïf Thiam
Malaria Research Training Center, Bamako, Mali

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1Academic Model Providing Access to Health Care (AMPATH), Eldoret, Kenya, 'Duke Global Health Institute, Duke University, Durham, NC, United States, 'School of Medicine, College of Health Sciences, Moi University, Eldoret, Kenya

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1University of Liverpool, Liverpool, United Kingdom, 'UK Health Security Agency, Chilton, United Kingdom, 'UK Health Security Agency, Salisbury, United Kingdom

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1Tulane University, New Orleans, LA, United States, ’Tulane University, New Orleans, LA, United States, ’St. Tammany Parish Mosquito Abatement District, Slidell, LA, United States

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Kalpana Barah
National Center for Vector Borne Diseases Control, Ministry of Health & Family Welfare, Delhi, India

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1Papua New Guinea Institute of Medical Research, Madang, Papua New Guinea, ’Australian Institute of Tropical Health and Medicine, James Cook University, Cairns, Australia, ’Buny Terminal, Melbourne, Australia, ’Innovative Vector Control Consortium, Liverpool, United Kingdom

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1Maseno University, Kisumu, Kenya, ’Kenya Medical Research Institute Centre for Global Health Research, Kisumu, Kenya, ’Kenya Medical Research Institute Centre for Global Health Research, Kisumu, Kenya, ’Centers for Disease Control and Prevention, Atlanta, Georgia, United States, Saint Barthelemy, ’Ministry of Health (Vector Borne Diseases), Nairobi, Kenya, ’Kenya Medical Research Institute Centre for Global Health Research, Nairobi, Kenya
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1Macha Research Trust, Choma, Zambia, 2Tulane University, New Orleans, LA, United States, 3PATH, Lusaka, Zambia, 4PATH, Seattle, WA, United States, 5PATH, Washington, WA, United States, 6IVCC, Liverpool, United Kingdom

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1Macha Research Trust, Choma, Zambia, 2University of Notre Dame, Notre Dame, IN, United States

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1KEMRI_CGHR, Kisumu, Kenya, 2Michigan State University, East Lansing, MI, United States, 3University of Notre Dame, Notre Dame, IN, United States

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1Ifakara Health Institute, Dar es Salaam, United Republic of Tanzania, 2University of Glasgow, Glasgow, United Kingdom

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1Swiss TPH, Dar es Salaam, United Republic of Tanzania, 2Swiss TPH, Basel, Switzerland, 3Imperial College, London, United Kingdom

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1Malaria Research and Training Center(MRTC), Bamako, Mali, 2Baylor University, Waco, TX, United States

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1Tropical Infectious Diseases Research Centre (TIDRC), University of Abomey-Calavi, Cotonou, Benin, 2Wits Research Institute for Malaria (WRIM), Wits University, Johannesburg, South Africa

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Jianrong Xu1, Kai Hu1
1New Mexico State University, Las Cruces, NM, United States, 2University of Massachusetts Medical School, Worcester, MA, United States

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Juan C. Hernandez-Valencia1, Stefani Piedrahita1, Diana L. Rodriguez1, Margarita M Correa1
1Grupo de Microbiologia Molecular, Escuela de Microbiologia, Universidad de Antioquia, Medellin, Colombia

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1Institut de Recherche en Sciences de la Santé (IRSS), Bobo-Dioulasso, Burkina Faso, 2Bobo-Dioulasso University, Bobo-Dioulasso, Burkina Faso, 3Imperial College, London, United Kingdom

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Marilene M. Ambadiang Mae1, Caroline Fouet1, Ashu F. Ayukarah1, Aditi Kulkarni1, Veronique P. Beng1, Sourav Roy1, Coline Kamdem1
1Centre for Research in Infectious Diseases, Yaounde, Cameroon, 2Department of Biological Sciences, University of Texas El Paso, El Paso, TX, United States, 3Department of Biochemistry, Faculty of Science, University of Yaounde 1, Yaounde, Cameroon

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Tatyana Martynova1, Cheolho Sim1
Baylor University, Waco, TX, United States

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Baylor University, Waco, TX, United States
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Mireia Larrosa, Joshua X. D. Ang; Michelle A. E. Anderson; Estela Gonzalez; Lewis Shackleford; Katherine Nevard, Luke Alpery
1The Pirbright Institute, Pirbright, United Kingdom, 2University of York, York, United Kingdom

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Fabien Vulu, Kyoko Futami, Toshihiko Sunahara, Pitshou Mampuya, Thierry Bobanga, Diedonne Mumba Ngoyi, Noboru Minakawa
1Nagasaki University, Nagasaki, Japan, 2University of Kinshasa, Kinshasa, Democratic Republic of the Congo, 3National Institute of Biomedical Research, Kinshasa, Democratic Republic of the Congo

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Kimani Njoya, Cameron E. Anderson, Natalia M. Zmarlañ, Inge Holm, Karin Elegiemeier, Ronald J. Nowling, Kenneth D. Vernick, Michelle M. Riehle
1Medical College of Wisconsin, Milwaukee, WI, United States, 2Institut Pasteur, Paris, France, 3Milwaukee School of Engineering, Milwaukee, WI, United States

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Xueyan Wei, Prabin Dhungana, Cheoilho Sim
Baylor University, Waco, TX, United States

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Margot P. Wohl, Luisa M. Otero, Stephanie Rankin-Turner, Robert Barrera, Conor J. McMeniman
1Department of Molecular Microbiology and Immunology, Johns Hopkins Malaria Research Institute, 2Johns Hopkins Bloomberg School of Public Health, 3Johns Hopkins University, Baltimore, MD, United States, 4Entomology and Ecology Team, Dengue Branch, Division of Vector Borne Diseases, Centers for Disease Control and Prevention, San Juan, PR, United States

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Christina M. Bergey, Bernadette Rabaoavola, Beauriche Andriambolaharijona, Rinda Rakotoariony
1Rutgers University, Piscataway, NJ, United States, 2Center ValBio, Ranomafana, Madagascar, 3Université d’Antananarivo, Antananarivo, Madagascar

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1Instituto de Enfermedades Tropicales, Universidad Nacional Toribio Rodríguez de Mendoza, Chachapoyas, Peru, 2Laboratorio Referencial de Salud Pública Amazonas, Chachapoyas, Peru, 3Instituto de Investigaciones de Ciencias Biomédicas, Universidad Ricardo Palma, Lima, Peru, 4School of Biodiversity, One Health & Veterinary Medicine, University of Glasgow, Glasgow, United Kingdom

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Emily Anne Fitzmeyer, Taru Dutt, Gregory D. Ebel
Colorado State University, Fort Collins, CO, United States

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Lemonde Bouafou, Josquin Daran, Diego Ayala
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Abbott Laboratories, Abbott Park, IL, United States

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1Centers for Disease Control and Prevention, San Juan, PR, United States, 2National Institutes of Health, Bethesda, MD, United States, 3Ponce Health Sciences University, Ponce, PR, United States, 4Laboratorio Nacional de Virología, Centro Nacional de Diagnóstico y Referencia, Ministerio de Salud / Sustainable Sciences Institute, Managua, Nicaragua, 5University of California, Berkeley, Berkeley, CA, United States

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1Gorgas Memorial Institute of Health Studies, Panama City, Panama, 2New Mexico State University, Las Cruces, NM, United States, 3Sao Jose do Rio Preto School of Medicine, Sao Paulo, Brazil, 4University of Texas Medical Branch, Galveston, TX, United States

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International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh

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Virgilio E. Falicco-Rojas1, Stalin Tello-Vera1, Cesar Nevado-Garcia1, Alicia Torres-Mera1, Cristian Diaz-Velez1, Mario J. Valladares-Garrido1  
1Universidad Cesar Vallejo, Piura, Peru, 2Hospital Nacional Almanor Aguinaga Asenjo, Chiclayo, Peru, 3Universidad Nacional Pedro Ruiz Gallo, Lambayeque, Peru, 4Universidad Privada Antenor Orrego, Trujillo, Peru, 5Universidad Privada Norbert Wiener, Lima, Peru

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1University of Kinshasa, Kinshasa, Democratic Republic of the Congo, 2University of Antwerp, Belgium, 3Ministry of Health of DRC, Kinshasa, Democratic Republic of the Congo

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Bia Peña1, Ana I. Gil1, Mayra Ochoa1, Rubelio Cornejo1, Lucie Ecker1, Omar Flores1, Luis M. Franchi1, Claudio F. Lanata1  
1Instituto de Investigacion Nutricional, Lima, Peru, 2Instituto de Investigacion Nutricional, Lima; Department of Pediatrics, School of Medicine, Vanderbilt University, Nashville, Department of Epidemiology, London School of Hygiene & Tropical Medicine, London, Lima, Peru

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Rina Das  
Rollins School of Public Health, Emory University, Atlanta, GA, United States

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Ingrid B. Rabe1, Eve Lackritz1, Diana P. Rojas1, Corinne S. Merhe1, Brice Bicaba1, Nay Yi Yi Linn1, Mursinah Mursinah1, Ava Kristyn Gy1, Judith Wong Chui Ching1, John Kayiwa1, Endang Wulandari1, Badri Thapa1, Sacha Bootsm1  
1World Health Organization, Geneva, Switzerland, 2Center for Infectious Disease Research and Policy, Minneapolis, MN, United States, 3Ministère santé, Ouagadougou, Burkina Faso, 4Ministry of Health - Myanmar, Nay Pyi Taw, Myanmar, 5National Institute for Health Research and Development, Jakarta, Indonesia, 6Research Institute for Tropical Medicine, Muntinlupa City, Philippines, 7National Environment Agency, Singapore, 8University of Otago, Christchurch, New Zealand, 9Uganda Virus Research Institute, Entebbe, Uganda, 10World Health Organization, Jakarta, Indonesia, 11World Health Organization, Yangon, Myanmar, 12World Health Organization, Juba, South Sudan

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Matt D. Hitchings1, Yi Xu1, Bernardo Garcia-Carreras1, Adriana Gallagher1, Justin J. O’Hagany1, Derek A. Cummings1  
1University of Florida, Gainesville, FL, United States, 2Merrick & Co., Inc., North Wales, PA, United States

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Robert J. Rolfe, Jr1, Matthew P. Rubach2, Yenance P. Maro3, Blandina T. Mmbaga4, Bingliki F. Lwezaula1, Nathaniel Kalengo1, Grace Knabu1, Calvin Mosha1, Annette Marundu1, Ronald Mbwas1, Kajuru Kilonzo1, Furaha Lyamuya1, John P. Bonnewell1, Manuela Canugati1, Michael J. Maze1, Deng B. Madut1, Jeremy P. Ledermann1, Paul L. Burns1, David Beaver1, Ann M. Powers1, John A. Crump1  
1Duke University, Durham, NC, United States, 2Kilimanjaro Christian Medical Centre, Moshi, United Republic of Tanzania, 3Mawenzi Regional Referral Hospital, Moshi, United Republic of Tanzania, 4University of Otago, Christchurch, New Zealand, 5Arboviral Diseases Branch, Division of Vector-Borne Diseases, Centers for Disease Control and Prevention, Fort Collins, CO, United States, 6Centre for International Health, University of Otago, Dunedin, New Zealand

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Patrick Musole Bugeme1, Ashua Shamamba Guillaume2, Victoire Urban Hatu3, Gauthier Bahizire Murhula2, Alain Balola Ntaboba2, Patrick D.M.C. Katoto2  
1Center for Tropical Diseases and Global Health, Université Catholique de Bukavu, Bukavu, Democratic Republic of the Congo, 2Faculty of Medicine, Université Catholique de Bukavu, Bukavu, Democratic Republic of the Congo

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Angkana T. Huang1, Darunee Buddhari1, Surachai Kaewhiran1, Sopon Iamsirithaworn1, Direk Khampaen1, Aaron Farmer2, Stefan Fernandez2, Stephen J. Thomas2, Gabriel Ribeiro dos Santos1, Isabel Rodriguez Barraquer3, Anon Srikitkachorn4, Derek A. T. Cummings6, Timothy Endy5, Alan L. Rothman1, Kathryn Anderson2, Henrik Salje1  
1University of Cambridge, Cambridge, United Kingdom, 2Armed Forces Research Institute of Medical Sciences, Bangkok, Thailand, 3Ministry of Public Health, Nonthaburi, Thailand, 4State University of New York Upstate Medical University, Syracuse, NY, United States, 5University of California, San Francisco, San Francisco, CA, United States, 6University of Florida, Florida, FL, United States, 7Coalition for Epidemic Preparedness Innovations, Washington, DC, DC, United States, 8University of Rhode Island, Kingston, RI, United States

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Chloé M. Hasund1, Camila Ocido1, Christina Yek1, Somrang Marn1, Piseth Ly1, Sreynik Nheki1, Sophana Chea1, Chanthap Lorn1, Rekol Huy1, Rithea Leang1, Chea Huch1, L. Fabiano Oliveira1, Jessica E. Manning1, Leah C. Katzelnick1  
1Viral Epidemiology and Immunity Unit, Laboratory of Infectious Diseases, National Institute of Allergy and Infectious Diseases, National Institutes, Bethesda, MD, United States, 2Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States, 3International Center of Excellence in Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Phnom Penh, Cambodia, 4National Center for Parasitology, Entomology, and Malaria Control, Ministry of Health, Phnom Penh, Cambodia

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Yalda Safari1, Abyoung Lim1, Win Zaw1, Tuyen H. Ngoc2, Kate Tiley1, Chawarat Roetajenaprasert1, Oliver Brady1, Richard J. Maude1  
1University of Oxford, Bangkok, Thailand, 2London School of Hygiene & Tropical Medicine, London, United Kingdom, 3Mahidol-Oxford Tropical Medicine Research Unit, Bangkok, Thailand, 4Oxford University Clinical Research Unit, Ho Chi Minh city, Vietnam
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Maria Vinna Crisostomo1, Anna Maureen Cuachin, Kristal An Agrupis, Ava Kristy Sy, Jedas Veronica Daag1, Michelle Ylade1, Laura White, Aravinda De Silva, Jacqueline Deen1
1National Institutes of Health-University of the Philippines Manila, Manila, Philippines, 2Research Institute for Tropical Medicine, Muntinlupa City, Philippines, 3Institute for Biodiversity Science and Sustainability, San Francisco, United States

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Daniel Adjei Odumang1, Elvis Suatey Lomotey2, Irene Owusu Donkor2, Millicent Opoku1, Kofi Bonney1, Robert Fischer2, Vincent Munster1
1Noguchi Memorial Institute for Medical Research, Accra, Ghana, 2University of Cambridge, UK; Emerging Pathogens Institute, University of Florida, Gainesville, FL, United States

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Irene Mwenyango1, Patrick Ajuna2, Blandinah Nakiganda2
1Ministry of Health, Kampala, Uganda

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Christopher Dorcoo1, Grace Opoku Gyanfri2, Irene Owusu Donkor1, Millicent Opoku1, Kofi Bonney1, Robert Fischer2, Vincent Munster1
1Noguchi Memorial Institute for Medical Research, Accra, Ghana, 2Virus Ecology Section, Laboratory of Virology, Rocky Mountain Laboratories, National Institute of Allergy and Infectious Diseases, Rocky Mountain, MT, United States

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Bachir Assao Nino1, Angkanan Huang1, Bernardo Garcia-Carreras1, Rebecca Borcherding2, Derek A.T. Cumnings1
1Department of Biology, University of Florida; Emerging Pathogens Institute, University of Florida, Gainesville, FL, United States, 2University of Cambridge, UK; Emerging Pathogens Institute, University of Florida, Gainesville, FL, United States

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Melanie Kien1, Nikita Cudjo1, Roberta Evans, Veronica Mapp-Alexander, Tariq F. Calum, MacPherson, Trevor Noel, Patrick Gérardin3, Randall Waechter1, AT. Desiree LaBeaud1
1Stanford University School of Medicine, Stanford, CA, United States, 2Windward Islands Research and Education Foundation WINDREF at St. George's University, True Blue, Grenada, 3INSERM CIC1410/Plateforme de Recherche Clinique et Translationnelle, Centre Hospitalier Universitaire, Saint-Pierre, Reunion

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Edgar Davidson1, Nathan A. Krump1, J. Tabb Sullivan, Sonya M. Jacobsen, Parul Ganjo, Allison Sheetz1, M. Javad Aman1, Philipp A. Ilyin2, Alexander Bukreyev3, James E. Crowe Jr1, Benjamin J. Doranz1
1Integral Molecular, Inc., Philadelphia, PA, United States, 2Integrated BioTherapeutics, Inc., Rockville, Maryland; d University of Texas Medical Branch, Galveston, TX, United States, 3Vanderbilt University, Nashville, TN, United States

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Sully Marquez1, Gwenthly Lee2, Bernardo Gutierrez3, Shannon Bennett4, Joseph Eisenberg3, Josefina Coloma1, Gabriel Trueba1
1Universidad San Francisco de Quito, Quito, Ecuador; 2University of Michigan, Michigan, MI, United States, 3Institute for Biodiversity Science and Sustainability, San Francisco, United States, 4Ponce Research Institute, Ponce, PR, United States

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Gilberto A. Santiago1, Glenda L. Gonzalez-Morales1, Keyla N. Charriez2, Betzabel Flores1, Laura E. Adams3, Joanelis Medina1, Grayson Brown1, Jessica I. Falcon1, Melissa Marzan1, Vanessa Rivera-Armill1, Gabriela Paz-Bailley1, Jorge L. Munoz-Jordan2, CDC, San Juan, PR, United States, 3Puerto Rico Vector Control Unit, San Juan, PR, United States, 4Ponce Research Institute, Ponce, PR, United States

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Mariah Hassert1, Christopher M. Weiss2, Reyes A. Munrieta3, Elizabeth Geerling4, E. Taylor Stone4, Stephen Scroggins3, Alexandra Dickson1, Gregory D. Ebel5, Lark L. Coffey6, Amelia K. Pinto1, James D. Brien1
1Saint Louis University, Saint Louis, MO, United States, 2University of California Davis, Davis, CA, United States, 3University of Florida, Gainesville, FL, United States, 4University of Texas Medical Branch, Galveston, TX, United States, 5Vanderbilt University Medical Center, Nashville, TN, United States

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1Kenya Medical Research Institute, Nairobi, Kenya, 2Kenya Medical Research Institute-Wellcome Trust, Kilifi, Kenya, 3Meru University of Science and Technology, Meru, Kenya, 4International Centre for Insect Physiology and Ecology, Nairobi, Kenya

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Samantha J. Courtney1, Angelica Woelfen1, Karen Kurek1, Taylor Stone1, Stephen Scroggins1, Rebecca Borchering1, Gregory D. Ebel1, Lark L. Coffey1, Amelia K. Pinto1, James D. Brien1
1Saint Louis University, Saint Louis, MO, United States, 2University of California Davis, Davis, CA, United States, 3Colorado State University, Fort Collins, CO, United States
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Mansi Malik1, Deepanraj SP1, Thilok Chandra KV1, Madhusudan SN1, Balasundar A P2, Rakesh Mishra3, Farah Ishaq4, Shrutika Upadhye4, 1Tata Institute for Genetics and Society, Bengaluru, India; 2Bruhath Bengaluru Mahanagara Palki, Bengaluru, India

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Syed Ali Raza Nasir1, 1Aga Khan University Hospital, Karachi, Pakistan

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1Mbale Regional Public Health Emergency operations center, Mbale City, Uganda, 2University of Virginia, Charlottesville, VA, United States, 3Infectious Diseases Institute, Kampala City, Uganda, 4Uganda National Institute of Public Health, Kampala City, Uganda, Ministry of Health, Kampala City, Uganda, Mbale City, Mbale City, Uganda, Namisindwa, Uganda, World Health Organization Uganda Office, Kampala City, Uganda.

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Arianna Ceruti1, Antonios Michaelakis1, Marina Bisia2, Uwe Truyen1, Georgios Balatsos1.
1The Ohio State University, Columbus, OH, United States, 2Institute of Veterinary Medicine, National Agricultural Research Organisation, Athens, Greece, 3Universitat Pompeu Fabra, Barcelona, Spain, 4icddr,b, Dhaka, Bangladesh.

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Cody J. Warren1, Shuqing Yu1, Douglas K. Peters2, Arturo Barbacano-Guerrero3, Qing Yang3, Bridget L. Burriss3, Gabriela Worva1, Chueh Huang4, Gregory K. Williams1, Tony L. Goldberg1, Jens H. Kuhn5, Sara L. Sawyer6.
1The Ohio State University, Columbus, OH, United States, 2Integrated Research Facility at Fort Detrick, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Frederick, MD, United States, 3University of Colorado Boulder, Boulder, CO, United States, 4Michigan E. Keeling Center for Comparative Medicine and Research, The University of Texas MD Anderson Cancer Center, Houston, TX, United States, 5University of Wisconsin-Madison, Madison, WI, United States.

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Yuke Wang1, Stephen Hilton2, Pengbo Liu3, Marlene Wolfe2, Orlando Sablon1, Lzheng Guo4, Lutte-E-Noor Rahman1, Weiding Fan5, Sarah Dury6, Shazneen Damani7, Lauren Briggs8, Valencia Hildreth9, Juliana Pietro10, Megan Diamond11, Christine Moe12, Emory University, Atlanta, GA, United States, 2Atlanta Public Schools, Atlanta, GA, United States, 3The Rockefeller Foundation, New York, NY, United States.

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Emmanuella Awdedana Apuri1, Ivy IIA Asante1, Mildred MAP Adusei-Poku1.
1Ghana Infectious Disease Center, Accra, Ghana, 2Noguchi Memorial Institute for Medical Research, Accra, Ghana, 3University of Ghana, Accra, Ghana.

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1Colorado State University, Fort Collins, CO, United States, 2Wildlife Veterinary Consulting, LLC, Livermore, CO, United States, 3Makerere University, Kampala, Uganda, 4Uganda Virus Research Institute, Entebbe, Uganda.

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David M. Yue1, Bryson A. Ndenga2, Francis M. Mutuku1, Bethel Bayrav1, Jack S. Amugongo3, Christabel Winter3, Charles Ronga1, Philip Chebii1, Zainab Jembe1, A. Desiree LaBeaud1.
1Stanford University School of Medicine, Stanford, CA, United States, 2Centre for Global Health Research, Kenya Medical Research Institute, Kisumu, Kenya, 3Department of Environment and Health Sciences, Technical University of Mombasa, Mombasa, Kenya, 4Vector-Borne Diseases Unit, Ministry of Health, Msambweni, Kwale, Kenya, 5Vector-Borne Diseases Unit, Ministry of Health, Ukunda, Kenya.

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1La Jolla Institute for Immunology, La Jolla, CA, United States, 2Fundación Universidad del Norte, Barranquilla, Colombia.

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Lauren Bahr1, Darunee Buddhari1, Surachai Kaewhiran2, Direk Khampaen1, Supon Iamsinthaworn1, Stefan Fernandez2, Aaron Farmer2, Alan Rothman2, Stephen Thomas3, Timothy Endy4, Adam Waickman2, Kathryn Anderson1.
1State University of New York Upstate Medical University, Syracuse, NY, United States, 2Armèd Forces Research Institute of Medical Sciences, Bangkok, Thailand, 3Ministry of Public Health, Tiwanon, Nonthaburi, Thailand, 4University of Rhode Island, Providence, RI, United States.

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1Stanford University School of Medicine, Palo Alto, CA, United States, 2Infectious Diseases Research Collaboration, Kampala, Uganda, 3University of California San Francisco, San Francisco, CA, United States, 4Stanford University, Palo Alto, CA, United States, 5Makerere University College of Health Sciences, Kampala, Uganda.

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Vitor G. Floriano1, Jhefferson B. Guimarães1, Luiza A. Castro-Jorge1, Marcio J. L. Siconelli1, Benedito A. L. da Fonseca1.
1School of Medicine of Ribeirão Preto, Ribeirão Preto, Brazil.

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Amro Nasser1, Priscila M Da Silva Castanha1, Ernesto T A Marques2.
1University of Pittsburgh, Pittsburgh, PA, United States.
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Devina J. Thiono, Demetrios Samaras, Thanh T.N. Phan, Shaomian Tian, Lawrence J. Forsberg, Brian Kuhlman, Aravinda de Silva

University of North Carolina at Chapel Hill, Chapel Hill, NC, United States

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1Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, 2Fundação Oswaldo Cruz, Fiocruz, Rio de Janeiro, Brazil, 3The University of Texas at Austin, Austin, TX, United States

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Kalani Rattanasiiri, Jiaying Toh, Hong Zheng, Catherine Blish, Purveesh Khatri

Stanford, Palo Alto, CA, United States

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icddrb, Dhaka, Bangladesh

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Sandra Laurence Lopez-Verges, Yamileth Chin, Hélène Martin, Patrice Vitali, Marie-Line Bortolin-Cavaillé, Jérôme Cavaillé, Cécile E. Malnou

1Gorgas Memorial Institute for Health Studies, Panama, Panama, 2Institut Toulouse Sains des Maladies Infectieuses et Inflammatoires Infinity, Université de Toulouse, Toulouse, France, 3Laboratoire de biologie moléculaire eucaryote LBME, CNRS Université de Toulouse, Toulouse, France, 4Laboratoire de Biologie Moléculaire Eucaryote CBI, Université de Toulouse, Toulouse, France

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1University of Vermont, Burlington, VT, United States, 2University of North Carolina, Chapel Hill, NC, United States

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Trevor M. Stantliff, Andrew Platt, Sydney R. Stein, Cihan Oguz, Kevin M. Vannella, Sabrina C. Ramelli, Stephen M. Hewitt, Daniel S. Chertow

National Institutes of Health, Bethesda, MD, United States

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Bourama Traore, Merepen A Guindo, Drissa Konaté, Foussenyi Kané, Abdouramane Traore, Salimata Kanté, Mariam Sidibé, Bourama Keita, Fatoumata Kasse, Karamoko Tangara, Issouf Y Mairaga, Abdoula RA Dicko Abdoul RA Dicko, Hama Keita, Diakaridia Kone, Yaya I Coulibaly, Mahamadou Diakité, Seydou Doumbia, Housseini Dolo, Saidou Balam

1ICER-Mali, Bamako, Mali, 2Hospitdal district health of commune 4, Bamako, Mali, 3District health center of commune 1, Bamako, Mali

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Laura J. White, Ruby Shah, Lucas Laszacs, Rajendra Raut, Elizabeth Adams, Emily Freeman, Cameron Adams, Longping V. Tse, Ralph Baric, Jadis V. Daag, Maria Vinnna Crisostomo, Kristal-An Agrupis, Michelle Ylade, Jacqueline Deen, Leah Katzelnick, Aravinda De Silva

1University of North Carolina, Chapel Hill, NC, United States, 2Syngene International Limited, Bengaluru, India, 3Department of Molecular Microbiology and Immunology, Saint Louis University, Saint Louis, MO, United States, 4Institute of Child Health and Human Development, National Institutes of Health, University of the Philippines, Manila, Philippines, 5Laboratory of Infectious Diseases, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States

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Richard Kajubi, Anthony Nuwa, Craig Bonnington, Kevin Baker, Musa Odongo, Tonny Kyagulanyi, Victor Asua, Chris Ebong, David S. Odong, Jimmy Opigo, Maureen Nakirunda, Godfrey Magumba, James Tibenderana

1Malaria Consortium, Kampala, Uganda, 2Malaria Consortium, London, United Kingdom, 3Infectious Diseases Research Collaboration, Kampala, Uganda, 4Ministry of Health, Kampala, Uganda, 5Kampala, Uganda

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Moustapha Nikiema, Awa Gnemer, Issiaka Soulama, Boubacar Coulibaly, Seni Nikiema, Ali Sie

1Université Joseph Ki-Zerbo, Ouagadougou, Burkina Faso, 2Hospitdal district health of commune 4, Ouagadougou, Burkina Faso, 3District health center of commune 1, Ouagadougou, Burkina Faso

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Centre national de recherche et de formation sur le paludisme, Ouagadougou, Burkina Faso, Oak Ridge Institute for Science and Education, Oak Ridge, TN, United States, Centers for Disease Control and Prevention, Atlanta, GA, United States, Williams Consulting LLC, Atlanta, GA, United States, Université de Recherche Clinique de Nanoro, Nanoro, Burkina Faso, Programme national de lutte contre le paludisme, Ouagadougou, Burkina Faso

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University of Calgary, Calgary, AB, Canada

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Department of Pathology and Laboratory Medicine, Warren Alpert Medical School, Brown University, Providence, RI, United States, Institute for Global Health and Infectious Diseases, University of North Carolina, Chapel Hill, NC, United States, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, Macha Research Trust, Choma District, Zambia, Department of Molecular Microbiology and Immunology, The Johns Hopkins Malaria Research Institute, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, Division of Infectious Diseases, School of Medicine, University of North Carolina, Chapel Hill, NC, United States

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Malaria Consortium, Maputo city, Mozambique, Maniça Health Research Center, Maniça, Mozambique, Malaria Consortium, London, United Kingdom

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Malaria Consortium, London, United Kingdom, Malaria Consortium, Maputo, Mozambique, Malaria Consortium, Juba, South Sudan, Malaria Consortium, Kampala, Uganda, Malaria Consortium, Moroto, Uganda

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Nigerian Institute of Medical research, Lagos, Nigeria, Medical Research Council Unit, the Gambia – The London School of Hygiene & Tropical Medicine, Fajara, Banjul, The Gambia, Banjul, Gambia, College of Medicine, University of Lagos, Lagos, Nigeria

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Infectious Diseases Research Collaboration, Kampala, Uganda, University of California, San Francisco, United States, ’Brown University, Providence, RI, United States, ’Dominican University of California, San Rafael, CA, United States

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IRSS, Bobo-Dioulasso, Burkina Faso, University of California, San Francisco, San Francisco, CA, United States, ’University of California, San Francisco, United States, ’Brown University, Providence, RI, United States, ’Dominican University of California, San Rafael, CA, United States

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MALARIA DRUG RESISTANCE MARKERS MOLECULAR SURVEILLANCE USING ANOPELAEOS MOSQUITOES IN BURKINA FASO

Awa Gneme1, Moustapha Nikiema1, Justine Kabore1, Boubacar Coulibaly1, Ali Sie1, Athanase Badolo1
1Université Joseph KI-ZERBO, Ouagadougou, Burkina Faso, 2Centre de Recherche en Santé de Nouna, Nouna, Burkina Faso

(ACMCIP Abstract)

PFCORONIN MUTATIONS CONFER ARTEMISININ RESISTANCE IN PLASMODIUM FALCIPARUM BY ALTERING ACTIN HOMEOSTASIS: A POTENTIAL NEW PLAYER IN THE ENDOCYTIC AND VESICULAR TRANSPORT PATHWAY

Imran Ullah1, Madeline A. Fanning1, Sara H. Shirin1, Aabha I. Sharma1, Selina Bopp1, Erica Hathaway1, Bailey C. Willett1, Anna Burkhard1, Morgan C. Martin1, Sarah K. Volkman1, Daniel L. Hartl1, Jeffrey D. Dvorin2, Sabrina Absalony1, Dyanne F. Wirth3
1Department of Immunology and Infectious Diseases, Harvard T.H. Chan School of Public Health, Boston, MA, United States, 2Department of Pharmacology and Toxicology, Indiana University School of Medicine, Indianapolis, IN, United States, 3Department of Organismic and Evolutionary Biology, Harvard University, Boston, MA, United States, 4Department of Pediatrics, Harvard Medical School, Boston, MA, United States

(ACMCIP Abstract)

KELCH 13 AND NON-KELCH 13 MEDIATED ARTEMISININ DRUG RESISTANCE

Faiza A. Siddiqui1, Liwang Cui2
1University of South Florida, Tampa, FL, United States

(ACMCIP Abstract)

 SUSCEPTIBILITY OF PLASMODIUM FALCIPARUM TO DIHYDROARTESININ IN NORTHERN AND EASTERN UGANDA IN 2021 AND 2022

Martin Oktivi1, Stephen Orena1, Patrick K. Turnwebaze1, Thomas Katairo1, Oswald Byaruhanga1, Yoweri Taremwa1, Jennifer Legac1, Shreeya Garg2, David Giesbrecht2, Sawyer R. Smith1, Frada G. Cend1, Samuel L. L Nsobya1, Jeffrey A. Bailey1, Melissa D. Conrad1, Roland A. Cooper1, Philip J. Rosenhart1
1Infectious Diseases Research Collaboration, Uganda, Kampala, Uganda, 2Centre de Recherche en Santé de Nouna, Nouna, Burkina Faso, 3Oxford University, Oxford, United Kingdom, 4Department of Pathology and Laboratory Medicine, Warren Alpert Medical School, Brown University, Providence, RI, United States

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DECREASED EX VIVO SUSCEPTIBILITY OF PLASMODIUM VIVAX TO CHLOROQUINE IN NORTHEAST COLOMBIA

Maria C. Velasco1, Marcela Santana Durango1, Gustavo E. Quintero Pardo1, Maria F. Yasnout Acosta
1Universidad de Córdoba, Montería, Colombia

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THE CONTINUED EXPANSION OF ARTEMISININ PARTIAL RESISTANCE MUTATION KELCH13 561H AND EMERGENCE OF 675V IN RUKARA IN 2021

Cecile Schreidah1, David Giesbrecht2, Neeva Young2, Corine Karrema1, Tharcisse Munyaneza1, Jean De Dieu Butera1, Gashema Pierre1, Rebecca Crudale2, Jean-Baptiste Mazarati1, Jeffrey Bailey2, Jonathan J. Juliano1
1Brown University, Providence, RI, United States, 2Quality Equity Health Care, Kigali, Rwanda, 3National Reference Laboratory, Kigali, Rwanda, 4INES-Ruhengeri, Ruhengeri, Rwanda, 5The University of North Carolina at Chapel Hill, Chapel Hill, NC, United States

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COMPARISON OF STRENGTH OF SELECTION FOR P. FALCIPARUM ARTEMISININ RESISTANCE-ASSOCIATED MUTATIONS BETWEEN SOUTHEAST ASIA AND UGANDA

Cécile P. G. Meier-Scheler1, Oliver J. Watson1, Victor Asuara1, Isaac Ghinai1, Thomas Katairo1, Shreeya Garg2, Dominic Kwiatkowski3, Melissa Conrad1, Philip J. Rosenhart4, Lucy C. Olek2, Jeffrey A. Bailey2
1Center for Computational Molecular Biology, Brown University, Providence, RI, United States, 2Medical Research Council Centre for Global Infectious Disease Analysis, Imperial College London, London, United Kingdom, 3Infectious Diseases Research Collaboration, Kampala, Uganda, 4Oxford University, Oxford, United Kingdom, 5University of California San Francisco, Medicine, San Francisco, CA, United States, 6Department of Pathology and Laboratory Medicine, Warren Alpert Medical School, Brown University, Providence, RI, United States

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INCREASED RATE OF ARTEMISININ-BASED COMBINATION TREATMENT FAILURE IN PATIENTS RETURNING FROM SUB-SAHARAN AFRICA WITH P. FALCIPARUM MALARIA; THE ROLE OF PFCORONIN GENE MUTATION

Tamar Grossman1, Julia Vainer1, Yael Parar1, Ron Dzikowski1, Eli Schwartz4
1Public Health Laboratories, MOH, Jerusalem, Israel, 2Sourasky Medical Center-Ichilov, Tel-Aviv, Israel, 3Hadassah Medical Center, Jerusalem, Israel, 4Sheba Medical Center, Ramat Gan, Israel

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DETECTION OF PLASMODIUM FALCIPARUM KELCH 13 GENE MUTATIONS IN CLINICAL SAMPLES FROM FOUR SITES ACROSS KENYA REVEALS INTENSE GENOMIC EVENTS THAT COULD PURIFY RESISTANCE

Benjamin Humphrey Ogot1, Dennis W. Juma2, Raphael O. Okoth2, Gladys C. Chemworo2, Jackline Juma1, Risper Maisiba3, Edwin W. Mwaliko3, Maurine Mwalo3, Redemptah Yeda3, Charles O. Okello2, Fariid Abdi4, Agnes Cheruyoot5, Timothy Egbor5, Hosea Akala6
1United States Army Medical Research Directorate - Kenya, Kisuuni, Kenya, 2United States Army Medical Research Directorate - Africa, Kisuuni, Kenya

(ACMCIP Abstract)

IDENTIFICATION AND QUANTIFICATION OF PLASMODIUM FRAGILE IN AN IN VITRO CULTURE SYSTEM AND NON-HUMAN PRIMATE MODEL

Sallie L. Fell1, James Prusak2, Sydney Nemphos2, Hannah Green2, Monica Embers3, Chad Massey4, Coty Tatum4, Mary Barnes4, Carolina Allers4, Sam Jameson5, Robert Blair6, Jennifer A. Manuza6, Berlin Londoño-Rentería7
1Tulane National Primate Research Center, Division of Immunology, Covington, LA, United States, 2Tulane National Primate Research Center, Diagnostic Parasitology Core, Covington, LA, United States, 3Tulane National Primate Research Center, Division of Comparative Pathology, Covington, LA, United States, 4Tulane University School of Public Health and Tropical Medicine, New Orleans, LA, United States, 5Tulane National Primate Research Center, Division of Comparative Pathology, Covington, LA, United States

(ACMCIP Abstract)

LOW FREQUENCY OF HISTIDINE-RICH PROTEIN 2/3 (HRP2/3) AND FLANKING GENE DELETIONS CORRELATES WITH THE HIGH DIAGNOSTIC PERFORMANCE OF HRP2-BASED MALARIA RAPID DIAGNOSTIC TESTS IN CAMEROON

Nkemango Francis Nongley1, Asongha Melissa Nkeng2, Lymen Raissa Gael3, Samuel Wanji1, Charles Wondji4
1University of Buea, Buea, Cameroon, 2Centre for Integrative Research in Tropical Health (CIRHT); Forzi Institute, Buea, Cameroon, 3Centre for Research in Infectious Diseases (CRID), Yaoundé, Cameroon, 4Liverpool School of Tropical Medicine, Liverpool, United Kingdom

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PRESENCE OF PFHRP2/3 DELETIONS INCLUDING POLYCLONAL INFECTIONS IN AN INTENSE MALARIA TRANSMISSION AREA OF SIAYA COUNTY, WESTERN KENYA


1Maseno University, Kisumu, Kenya, 2Masinde Mulung University of Science and Technology, Kakamega, Kenya, 3Faculty of Medicine, University of Nairobi, Nairobi, Kenya, 4Lake Eye Clinics, Nakuru, Kenya, 5Academic Model Providing Child Health Care (AMPOC), Nakuru, Kenya, 6Department of Internal Medicine, Albuquerque, NM, United States, 7Jaramogi Oginga Odinga University of Science and Technology, Bondo, Kenya, Bondo, Kenya, 8Department of Applied Computer and Biosciences, University of Applied Sciences Mittweida, Technikumplatz, Mittweida, Germany, 9Kirinyaga University School of Health Sciences, Department of Clinical Medicine, Kirinyaga, Kenya

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1World Health Organisation, Hargeisa, Somalia, 2LSHTM, London, United Kingdom, 3Instituto de Salud Carlos III, Spain, Madrid, Spain, 4Ministry of Health Development, Hargeisa, Somalia, 5World Health Organisation, geneva, Switzerland

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Ana Chopo-Pizarro1, Irene Molina-de la Fuente2, Lynn Grignard1, Khalid B. Beshir1.

1Faculty of Infectious and Tropical Diseases, London School of Hygiene & Tropical Medicine, London, United Kingdom, 2National Centre for Tropical Medicine-Institute of Health Carlos III, Madrid, Spain

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1United States President’s Malaria Initiative for States, Management Sciences for Health, Ebonyi, Nigeria, 2United States President’s Malaria Initiative for States, Management Sciences for Health, Cross River, Nigeria, 3United States President’s Malaria Initiative for States, Management Sciences for Health, Ebonyi, Nigeria, 4United States President’s Malaria Initiative for States, Management Sciences for Health, Cross River, Nigeria, 5United States President’s Malaria Initiative for States, Management Sciences for Health, Ebonyi, Nigeria, 6United States President’s Malaria Initiative for States, Management Sciences for Health, Ebonyi, Nigeria, 7United States President’s Malaria Initiative for States, Management Sciences for Health, Cross River, Nigeria

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United States, 7Population Services International (PSI), Washington, DC, United States, 8U.S. President’s Malaria Initiative, U.S. Centers for Disease Control and Prevention, Dar es Salaam, United Republic of Tanzania

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- Ejikman Research Center for Molecular Biology, BIIRIN, Jakarta, Indonesia, - Institult Pasteur, Paris, France, - Exeins Health Initiative, Jakarta, Indonesia, - Oxford Universities Clinical Research Unit, Jakarta, Indonesia, - Army Medical Center, Jakarta, Indonesia, - Walter & Eliza Hall Institute of Medical Research, Parkville, Australia

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- Institute for Tropical Medicine, Tübingen, Germany, - Nnamdi Azikiwe University, Awka, Nigeria, - Fondation Congolaise pour la Recherche Médicale, Brazzaville, Republic of the Congo, - Centre de Recherches Médicales de Lambaréné, Lambaréné, Gabon, - Fondation Pour la Recherche Scientifique (FORIS), ISBA, Cotonou, Benin, - Tropical Infectious Diseases Research Centre (TIDRC), University of Abomey-Calavi, Cotonou, Benin

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- Africa University, MUTARE, Zimbabwe, - Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, - Brown University, Providence, RI, United States

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- Gonder University, Gonder, Ethiopia, - Noul Inc., Seoul, Republic of Korea, - University of Notre Dame, Notre Dame, IN, United States

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- Breakthrough ACTION Project, Johns Hopkins Center for Communication Programs, Baltimore, MD, United States, - Division of National Malaria Programme, Ministry of Health, Nairobi, Kenya, - U.S. President's Malaria Initiative, USAID, Nairobi, Kenya, - Breakthrough ACTION Project, Johns Hopkins Center for Communication Programs, Nairobi, Kenya

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- University of Virginia, Charlottesville, VA, United States

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- University of Cape Town, Cape Town, South Africa, - Holistic Drug Discovery and Development (H3D), University of Cape Town, Cape Town, South Africa
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The Art of Discovery, Derio, Spain, Pharmacology Department, Faculty of Medicine, University of the Basque Country (UPV/EHU), Derio, Spain, Biocruces Bilbao Health Research Institute and Basque Centre for Blood Transfusion and Human Tissues, Barakaldo Galdakao, Spain

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MORU, Bangkok, Thailand, ReMed, Bordeaux, France

Alice Sanna, Stephane Pelleau, Lise Musset, Yann Lambert, Stephen Vreden, Louise Hureau, Michael White, Maylis Douine
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National Malaria Control Programme, Dodoma, United Republic of Tanzania; Population Services International (PSI), Dar es Salaam, United Republic of Tanzania; U.S. President’s Malaria Initiative, U.S. Agency for International Development, Dar es Salaam, United Republic of Tanzania; U.S. President’s Malaria Initiative, U.S. Centers for Disease Control and Prevention, Dar es Salaam, United Republic of Tanzania

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Zanzibar Malaria Elimination Program, Ministry of Health, Zanzibar, United Republic of Tanzania; Research Triangle International, Dar es Salaam, United Republic of Tanzania; U.S. President’s Malaria Initiative, U.S. Agency for International Development, Dar es Salaam, United Republic of Tanzania; U.S. President’s Malaria Initiative, U.S. Center for Disease Control and Prevention, Dar es Salaam, United Republic of Tanzania; Ohibiti Malaria project, Population Services International, Dar es Salaam, United Republic of Tanzania; Centre for Disease Control, Atlanta, GA, United States

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Population Services International Cambodia, Phnom Penh, Cambodia; National Center for Parasitology, Entomology and Malaria Control (CNM), Phnom Penh, Cambodia; U.S. President’s Malaria Initiative, USAID, Phnom Penh, Cambodia, Phnom Penh, Cambodia; Population Services International, Washington DC, MD, United States
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Moussa Niangaly
Malaria Research and Training Center, Bamako, Mali

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Sara Harris, Alyssa R. Schwind, Rebecca Levine, Olayinka Olajiga, Manuela Herrera-Varelar, Marth Liliana Ahumada, Audrey Lenhart, Berlin Londono-Renteria, Tulane University, New Orleans, LA, United States, Centers for Disease Control and Prevention, Atlanta, GA, United States, PMI VectorLink Colombia, Bogota, Colombia, Instituto Nacional de Salud, Bogota, Colombia, Center for Global Health/Division of Parasitic Diseases and Malaria, Atlanta, GA, United States, Tulane University, New Orleans, LA, United States

Epidemiologic risk factors to urban malaria in Western and Coastal Kenya

Caroline Ichiura, Bryson Ndenga, Francis Mutuku, Gladys Agola, Jae S. Amugongo, Zainab Jembe, Paul S. Mutuku, Charles M. Nganga, Mwangosho M. Mshahme, Said L. Malumbo, A. Desiree LaBeaud, Stanford School of Medicine, Palo Alto, CA, United States, Kenya Medical Research Institute, Kisumu, Kenya, Technical University of Mombasa, MOMBASA, Kenya, Msambweni Hospital, MOMBASA, Kenya, Technical University of Mombasa, Mombasa, Kenya

Maximizing the use of human population movement data for malaria control and elimination

Greta Tan, Ipsita Sinha, Keluchada Pongsoipetch, Keobophaphone Chindavongs, Mayfong Mayxay, Sonexay Phalivong, Elizabeth Ashley, Benjamine Cowling, Olivo Miotto, Richard Maude, Mahidol Oxford Tropical Medicine Research Unit (MORU), Bangkok, Thailand, Center of Malarialogy, Parasitology and Entomology (CMPE), Vientiane, Lao People's Democratic Republic, Lao-Oxford-Mahosot Hospital-Wellcome Trust Research Unit, Vientiane, Lao People's Democratic Republic, University of Hong Kong, Hong Kong, Hong Kong

Policies, knowledge, attitudes, practices related to malaria, helminths and schistosomiasis among pregnant women in Ghana: An ethnographic study in two Ghanaian regions

Matilda MA Aberese-Ako, Gyffy Amfofo, Pascal Magnussen, Harry Tagbor, University of Health and Allied Sciences, Ho, Ghana, University of Copenhagen, Copenhagen, Denmark

Increasing pattern of malaria cases in low endemic districts in Rwanda

Michele S. Kabera, Kaendi Munguti, Aimable Mbituyumuremyi, Noella Umulisa, Jean Louis MANGARA, Emmanuel Hakizimana, Rwanda Biomedical Center, Kigali, Rwanda, U.S. President’s Malaria Initiative, Kigali, Rwanda, JHPIEGO, Kigali, Rwanda

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Lelo Souleye, Aly Gueye, Sylla Khadim, Cheikh Bintou Fall, Issac Akhenton Manga, Doudou Sow, Magatte Ndiaye, Jean Abdourahim Ndiaye, Oumar Gaye, Roger Clement Tine, Babacar Faye, UCAD, Dakar, Senegal

Seasonal dynamics of composition and density of co-endoemic P. Falciparum & P. Vivax in elimination setting, South Ethiopia: Implication for elimination

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Jean Ronald Edoa, Christian Lapue Chassem, Jeanot Fréjus Zinsou, Jeannot Fréjus Zinsou, Yabo Josiane Honkpéhèdji, Romeo Adégiblé, Stravensky Térence Boussougou-Sambe, Tamirat Gebru Woldearegai, Benjamine Mordmüller, Ayola Akim Adegnika, Jean Claude Dejon-Agobé, CERMEL, Lambaréné, Gabon, Institut pour Tropémedizin, Universitätsklinikum Tübingen, Tübingen, Germany, Department of Medical Microbiology, Radboud University Medical Center, Nijmegen, Netherlands
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Seyram Kaa1, Darby Jack1, Mohammed Nuhu Muftaba2, Steven N. Chillrud2, Musa Osei3, Theresa Tawiah3, Stephane Gyaase4, Prince Agiyapong Darko5, Blair J. Wylie6, Kwaku Poku Asante7, Alison G. Lee7
1Kintampo Health Research Centre, Kintampo, Ghana, 2Department of Environmental Health Sciences, Mailman School of Public Health, Columbia University, New York, NY, United States, 3Lamont-Doherty Earth Observatory of Columbia University, New York, NY, United States, 4Department of Obstetrics and Gynecology Research, Columbia University Irving Medical Center, New York, NY, United States, 5Division of Pulmonary, Critical Care and Sleep Medicine, Icahn School of Medicine at Mount Sinai, New York, NY, United States

EVALUATION OF THE SEASONALITY OF MALARIA TRANSMISSION THROUGH ROUTINE DATA FROM HEALTH FACILITIES IN BURKINA FASO

Alassane Haro1, Issaka Zongo1, Abdoul Aziz Sienu2, Moussa Zongo3, Yves Daniel Compaore4, Paul Senn5, Jean-Bosco Ouedraogo6
1Institut de Recherche en Sciences de la Santé, Bobo-Dioulasso, Burkina Faso, 2Institut des Sciences et Techniques, Bobo-Dioulasso, Burkina Faso, 3London School of Hygiene & Tropical Medicine, London, United Kingdom

MEASURING IMPACT OF SEASONAL MALARIA CHEMOPREVENTION ON MALARIA CASE DISTRIBUTION FROM ROUTINE DATA SOURCES COMPARED TO MODELLLED PREDICTIONS IN BURKINA FASO

Monica De Cola1, Benoit Sawadogo2, Cheick Campaore2, Sidzabba Kompaore2, Christian Rass3, Patrick Walker4, Luc Oelly5
1Imperial College London, London, United Kingdom, 2Malaria Consortium, Ouagadougou, Burkina Faso, 3Ministry of Health, Permanent Secretary for Malaria Elimination, Ouagadougou, Burkina Faso, 4Malaria Consortium, London, United Kingdom

MOLECULAR SCREENING SUGGESTS ANTAGONISM BETWEEN PARASITEMIA WITH PLASMODIUM FALCIPARUM AND OVALE IN TANZANIA

Kelly B. Carey-Ewend1, Meredith Muller1, Edithruda Peter2, Melic Odas3, Srijana Chhetri4, Pablo Carrasquilla1, Carolina M. Andrade1, Jessica Briggs2, Christinat Ntal’ia, Tanto Situmorang3, Martin Kampmann4, Shaniaing Li5, Safiatou Dourn6, Didier Doumba7, Pissata Ongbon5, Hassan Kayentaar5, Moussa Niangaly5, Boubacar Traore5, Bryan Greenhouse6, Silvia Portugal7
1Max Planck Institute for Infection Biology, Berlin, Germany, 2Department of Biomedical Engineering, MIT, Cambridge, MA, United States, 3Institute for Molecular Life Sciences, Radboud University, Nijmegen, Netherlands, 4School of Medicine University of California San Francisco, San Francisco, CA, United States, 5National Institute of Allergy and Infectious Disease, Bethesda, MD, United States, 6Mali International Center of Excellence in Research, Malaria Research and Training Centre (MRTC), University of Sciences Techniques and Technologies of Bamako, Bamako, Mali, 7Mali International Center of Excellence in Research, Malaria Research and Training Centre (MRTC), University of Sciences Techniques and Technologies of Bamako, Bamako, Mali

INTRA-HOST CLONAL DYNAMICS SHAPE CHRONIC PLASMODIUM FALCIPARUM INFECTIONS THROUGH THE DRY SEASON

Manuela Carrasquilla1, Pablo Cárdenas1, Carolina M. Andrade1, Jessica Briggs2, Christina Ntal’ia, Tanto Situmorang3, Martin Kampmann4, Shaniaing Li5, Safiatou Dourn6, Didier Doumba7, Pissata Ongbon5, Hassan Kayentaar5, Moussa Niangaly5, Boubacar Traore5, Bryan Greenhouse6, Silvia Portugal7
1Max Planck Institute for Infection Biology, Berlin, Germany, 2Department of Biomedical Engineering, MIT, Cambridge, MA, United States, 3Institute for Molecular Life Sciences, Radboud University, Nijmegen, Netherlands, 4School of Medicine University of California San Francisco, San Francisco, CA, United States, 5National Institute of Allergy and Infectious Disease, Bethesda, MD, United States, 6Mali International Center of Excellence in Research, Malaria Research and Training Centre (MRTC), University of Sciences Techniques and Technologies of Bamako, Bamako, Mali, 7Mali International Center of Excellence in Research, Malaria Research and Training Centre (MRTC), University of Sciences Techniques and Technologies of Bamako, Bamako, Mali

EVALUATING MALARIAN PREVALENCE IN NON-HOMOGENEOUS FORMAL AND INFORMAL COMMUNITIES IN FREETOWN SIERRA LEONE: A MULTIPHASE CROSS SECTION SECTIONAL STUDY

Joseph Lewinski1, Abdul Koroma2, Hilton Matthews3, Akinola Shonde4, Claudia Smith1, Sulaiman Conteh5, Mohamed Samar6
1Catholic Relief Services, Baltimore, MD, United States, 2Catholic Relief Services, Freetown, Sierra Leone, 3Catholic Relief Services, Abuja, Nigeria, 4College of Medicine and Allied Health Sciences, Freetown, Sierra Leone

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HIGH-THROUGHPUT GENOTYPING OF PLASMODIUM VIVAX IN THE PERUVIAN AMAZON VIA MOLECULAR INVERSION PROBES

Zachary P. Popkin-Hall1, Karamoko Niaré2, Rebecca Crudade2, Alfred Simkin2, Abebe A. Fola2, David J. Giesbrecht3, Jeffrey A. Bailey4, Jonathan J. Juliano4, Hugo O. Valdivia4
1University of North Carolina, Chapel Hill, NC, United States, 2Brown University, Providence, RI, United States, 3Namru-6, Lima, Peru

PLASMODIUM VIVAX SHOWS HIGH GENETIC DIVERSITY AND RAPID LOCAL ADAPTATION IN A REMOTE COMMUNITY FROM THE PERUVIAN AMAZON REGION

Roberson Ramirez1, Katherine Torres1, Pamela Rodriguez1, Alejandro Llanos-Cuentas1, Joseph Veneziz2, Dicionia Gamboa3
1Laboratorio ICEMR-Amazonia and Enfermedades Infecciosas Emergentes, Laboratorios de Investigación y Desarrollo, Facultad de Ciencias y Filosofia, Universidad Peruana Cayetano Heredia, Lima, Peru, 2Laboratorio ICEMR-Amazonia and Enfermedades Infecciosas Emergentes, Laboratorios de Investigación y Desarrollo, Facultad de Ciencias y Filosofia, Universidad Peruana Cayetano Heredia, Lima, Peru, 3Instituto de Medicina Tropical Alexander von Humboldt, Lima, Peru, 4Instituto de Medicina Tropical Alexander von Humboldt and Universidad Peruana Cayetano Heredia, Lima, Peru, 5Section of Infectious Diseases, Department of Internal Medicine, Yale School of Medicine, New Haven, CT, USA and Laboratorio ICEMR-Amazonia and Enfermedades Infecciosas Emergentes, Laboratorios de Investigación y Desarrollo, Facultad de Ciencias y Filosofia, University of California San Francisco, San Francisco, CA, United States, 6Laboratorio ICEMR-Amazonia and Enfermedades Infecciosas Emergentes, Laboratorios de Investigación y Desarrollo, Facultad de Ciencias y Filosofia, Universidad Peruana Cayetano Heredia, Lima, Peru and Instituto de Medicina Tropical Alexander von Humboldt, Lima, Peru

GENETIC ANALYSIS REVEALED HIGHLY RELATED LOCAL TRANSMISSION OF PLASMODIUM FALCIPARUM IN THE ISLAND OF SÃO TÓMÉ

Ying-An Angie Chen1, Arlindo Vicente Carvalho1, Peng-Yin Ng2, Ju-Hsuan Huang3, Yu-Wen Huang4, Aaron Elliott1, Lien-Fen Tseng5, Kun-Hsien Tsao6, Bryan Greenhouse7, Hsiao-Han Chang8
1Institute of Bioinformatics and Structural Biology, College of Life Sciences and Medicine, National Tsing Hua University, Hsinchu, Taiwan, 2Institute of Health Sciences, University of Sao Tome and Prince, Sao Tome, 3Institute of Health Sciences, University of Sao Tome and Prince, 4College of Life Sciences and Medicine, National Tsing Hua University, Hsinchu, Taiwan, 5EPPIcenter Research Program, Division of HIV, Infectious Diseases and Global Medicine, Department of Medicine, University of California, San Francisco, San Francisco, CA, United States, 6Taiwan Anti-Malarial Advisory Mission, Sao Tome, Sao Tome and Principe, 7Institute of Environmental and Occupational Health Sciences, College of Public Health, National Taiwan University, Taipei, Taiwan
GENOME STRUCTURE OF PFHRP2/3-DELETED PLASMODIUM FALCIPARUM: DELETION BREAK-POINTS AND CONSEQUENCES OF THE DELETION


deerwijk, Susana Campino, Colin J. Sutherland, Khalid B. Beshir. 

National Centre of Tropical Medicine - Institute of Health Carlos III, Madrid, Spain, Faculty of Infectious and Tropical Diseases, London School of Hygiene & Tropical Medicine, London, United Kingdom, Public Health England Malaria Reference Laboratory, London School of Hygiene & Tropical Medicine, London, United Kingdom

Annette de la Fuente, Jody Pellen, Debbie Nolder, Lindsay Stewart, Donelly A. van Schalkwyk, Susana Campino, Colin J. Sutherland, Khalid B. Beshir. 

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- University of Maryland Baltimore, Baltimore, MD, United States, - Malaria Research and Training Center, University of Science, Techniques and Technologies, Bamako, Mali

A NOVEL PROBABILISTICALLY BASED ON GENETIC DATA FOR ESTIMATING PLASMODIUM VIVAX RELAPSES AFTER RADICAL CURE TREATMENT


- Malaria Research Group (MaRch) Global Health Institute, Faculty of Medicine, University of Antwerp, Antwerp, Belgium, - Ministry of Health of Peru, Lima, Peru, - Medical Research Council Unit at the London School of Hygiene & Tropical Medicine, Banjul, Gambia, - Grupo de Estudio de Leishmaniasis y Malaria (GELM), Institute of Tropical Medicine Alexander von Humboldt, Universidad Peruana Cayetano Heredia, Lima, Peru, - Malariology Unit, Department of Biomedical Sciences, Institute of Tropical Medicine in Antwerp, Antwerp, Belgium, - Laboratory of Malaria, Unit of Molecular Epidemiology, Institute of Tropical Medicine Alexander von Humboldt, Universidad Peruana Cayetano Heredia, Lima, Peru

MOLECULAR SURVEILLANCE OF MALARIA PARASITES IN AN INDIGENOUS COMMUNITY IN THE PERUVIAN AMAZON


- Laboratorio de Malaria: Parásitos y Vectores, Laboratorios de Investigación y Desarrollo, Facultad de Ciencias y Filosofía, Universidad Peruana Cayetano Heredia, Lima, Peru, - Department of Biomedical Sciences, Institute of Tropical Medicine, Antwerp, Belgium, - Malaria Research Group (MaRch), Global Health Institute, University of Antwerp, Antwerp, Belgium, - Department of Parasitology, U.S. Naval Medical Research Unit No. 6 (NAMRU-6), Lima, Peru, - Laboratorio de Salud Pública de Loreto, Gerencia Regional de Salud de Loreto, Iquitos, Peru, - Universidad Nacional de la Amazonía Peruana, Iquitos, Peru, - Section of Infectious Diseases, Department of Internal Medicine, Yale School of Medicine, New Haven, CT, United States

COMPARISON OF MOLECULAR SURVEILLANCE METHODS TO ASSESS CHANGES IN THE POPULATION GENETICS OF PLASMODIUM FALCIPARUM IN HIGH TRANSMISSION


- Noguchi Memorial Institute for Medical Research, Legon, Ghana, - The University of Melbourne, Melbourne, Australia, - The University of Chicago, Chicago, IL, United States, - Navrongo Health Research Centre, Ghana Health Service, Navrongo, Ghana

DIFFERENTIAL REGULATION OF PFMDR2 AND PFK13 GENES IN KENYAN CHILDREN WITH SEVERE MALARIAL ANEMIA: POTENTIAL IMPACT ON ARTEMISININ-BASED COMBINATION THERAPY RESPONSES


- University of New Mexico HSC, Center for Global Health, Albuquerque, NM, United States, - Maseno University, Maseno, Kenya, - University of Embu, Embu, Kenya, - Masinde Muliro University of Science and Technology, Kakamega, Kenya, - Los Alamos National Laboratory, Los Alamos, NM, United States, - University of New Mexico HSC, Dept of Emergency Medicine, Albuquerque, NM, United States, - University of Applied Sciences Mittweida, Mittweida, Germany, - Temple University, Philadelphia, PA, United States

SPATIAL CONNECTIVITY, IMPORTATION AND TRANSMISSION FLOW OF PLASMODIUM FALCIPARUM IN MOZAMBIQUE USING MICROHAPLOTYPE DATA


EXPANDING THE GLOBAL WHOLE GENOME SEQUENCE DATASET OF PLASMODIUM FALCIPARUM

Richard D. Pearson on behalf of MalariaGEN. 

Wellcome Sanger Institute, Cambridge, United Kingdom

PREVALENCE OF CYP2C8 POLYMORPHISM IN CHILDREN AGED 3 TO 59 MONTHS IN BOBO DIOLAUSSO, BURKINA FASO

Guésewndé Armei Bienvenu Yarbangna, W. Jédida M. Ouedraogo, Seydou Bienvenu Ouattara, Souleymane Grissi, K. Bienvenu Yameogo, Fanck Yao, Pariikh Sunil, Jose Pedro Gill, Rakisewndé Serge Yarbangna, Jean Bosco Ouedraogo. 

- Institut des Sciences et Techniques (INSTech), Bobo-Dioulasso, Burkina Faso, - Institut de Recherche en Sciences de la Santé/DIRECTION Régionale de l’Ouest (IRSS/DRIO), Bobo-Dioulasso, Burkina Faso, - Yale University, New Haven, CT 06520, United State, New Haven, CT, United States, - Karolinska Institutet, Department of Microbiology, Tumor and Cell Biology (MTC)/Biomedicum, Stockholm, Sweden

INFERRING FORCE OF INFECTION FROM MOLECULAR-BASED ESTIMATES OF MULTIPLICITY OF INFECTION IN FALCIPARUM MALARIA WITH AN APPLICATION TO INTERVENTION IN NORTHERN GHANA

Qi Zhan, Kathryn Tiedje, Karen Day, Mercedes Pascual. 

- University of Chicago, Chicago, IL, United States, - The University of Melbourne, Melbourne, Australia

- University of Chicago, Chicago, IL, United States, - The University of Melbourne, Melbourne, Australia
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Camila Eduarda Cabezas1, Eileen Velez-Alvarez2, Bibiana Salazar3, Cynthia Gordon4, Manuel Calvopiña5, Fabian E. Saenz6
1Pontificia Universidad Católica del Ecuador, Quito, Ecuador, 2Universidad de las Américas, Quito, Ecuador

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Jennifer L. Smith1, Andres Aranda-Diaz2, Maxwell Murphy1, Amy Wesolowski1, Henry Nituku1, Adam Bennett1, Rolly Gosling2, Davis Mumbengegwi3, Bryan Greenhouse4
1Malaria Elimination Initiative, University of California San Francisco, San Francisco, CA, USA, 2School of Medicine, University of California San Francisco, San Francisco, CA, USA, 3Division of Biostatistics, University of California, Berkeley, Berkeley, CA, USA, 4Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA

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Bing Guo1, Michele Spring2, Mariusz Wojnarski3, Brian A. Vesely4, Joana Carneiro Da Silva5, Norman C. Waters6, Shannon Takala-Harrison7, Timothy D. O’Connor8
1Institute for Genome Sciences, University of Maryland School of Medicine, Baltimore, MD, USA, 2School of Medicine, University of California San Francisco, San Francisco, CA, USA, 3Division of Biostatistics, University of California, Berkeley, CA, USA, 4Centre for Research Services, University of Namibia, Windhoek, Namibia

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Thierry Masserey1, Tamsin Lee1, Aurelien Cavelan1, Josephine Malinga1, Melissa Penny1
1Swiss Tropical And Public Health Institute, Alschiwil, Switzerland

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Grace Turyaasangria, Ruth Naranzzi, Kagan A. Mellencamp, Dibyaduthi Datta, Robert O. Opoka, Chandy C. John, Andrea L. Conroy
1Indiana University School of Medicine, Indianapolis, IN, USA, 2University of Namibia, Windhoek, Namibia

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Marian Marcela Muskus Montiel1, Maria Camila Velasco Pareja1, Catalina Tovar1, Ana Rodriguez1, Maria Fernanda Yasnoff1
1Universidad de Cordoba, Monteria, Colombia, 2Universidad del Sinu, Monteria, Colombia, 3New York University School of Medicine, New York, NY, USA

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Linda Reiling1, Jo-Anne A. Chan2, Gaoqian Feng3, Lirui Kurtovic4, Michelle J. Boyle5, Eizo Takashima6, Takafumi Tsuibo7, Jack S. Richards8, Livingstone Tavul9, Ivo Mueller10, James G. Beeson11
1Burnet Institute, Melbourne, Australia, 2Ehime University, Matsuyama, Japan, 3PNG Institute of Medical Research, Madang, Papua New Guinea

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1The Peter Doherty Institute for Infection and Immunity, University of Melbourne, Melbourne, Australia, 2Walter Eliza Hall Medical Institute, Melbourne, Australia, 3PNG Institute of Medical Research, Maprik, Australia

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1University of Alberta, Edmonton, AB, Canada, 2Universidad de Antioquia, Medellín, Colombia

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1Faculty of Medical Technology, Mahidol University, Nakhon Pathom, Thailand, 2Center for Global Health and Infectious Diseases Research and USF Genomics Program, College of Public Health, University of South Florida, Tampa, FL, USA

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1IRSS/Clinical Research Unit of Nanoro, NANOOR, Burkina Faso, 2Department of Internal Medicine/Radboud University Medical Center, Nijmegen, Netherlands

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Sidharth Srivastava1, Victoria Majam1, Hong Zheng1, Sanjai Kumar2, Miranda S. Oakley3
1FDA, Silver Spring, MD, USA, 2School of Medicine, University of California San Francisco, San Francisco, CA, USA

(ACMCIP Abstract)
IMPACT OF PLASMODIUM FALCIPARUM MALARIA ON SARS-COV-2 ANTIBODY RESPONSES IN KENYA AND BURKINA FASO (MALCOV)


LOCAL GUT MICROBIOTA TOLERENCGIC HOMEOSTASIS NEGATIVELY IMPACTS ANTI-PLASMODIUM SYSTEMIC IMMUNITY

Rafael B. Polidoro, Olivia J. Bednarski, Nathan W. Schmidt
Indiana University School of Medicine, Indianapolis, IN, United States

ROLE OF IGE RESPONSE AGAINST MALARIA INFECTION IN CHILDREN UNDER FIVE YEAR OLD, LIVING IN MALARIA ENDEMIC RURAL AREA OF BURKINA FASO

Mariama K. Cherif, Issa Nebié, Alphonse Ouedraogo, Alfred Tiono Tiono, Marita Troye-Blomberg, Sodomon B. Sinima
1Université d’Abidjan (Univ), Unité de Recherche et de Formation en Sciences de la Vie et de la Terre (URFVT), Groupe de Recherche Action en Santé (GRAS), Bobo-Dioulasso, Burkina Faso, 2Groupe de Recherche Action en Santé (GRAS), Ouagadougou, Burkina Faso, 3Department of Molecular Biosciences, the Wenner-Gren Institute, Stockholm, University, Stockholm, Sweden

PERIPHERAL BLOOD TRANSCRIPTOME PREDICTS ALTERED UBQUITINATION PROCESS IN KENYAN CHILDREN WITH SEVERE MALARIAL ANEMIA

Samuel B. Anyona, Qiuying Cheng, Evans Raballah, Irv Hurwitz, Philip D. Seidenberg, Kristan A. Schneider, Christoph G. Lamber, Benjamin H. McMahon, Collins Ouma, Douglas J. Perkins
Maseno University, Kisumu, Kenya, University of New Mexico, Center for Global Health, Department of Internal Medicine, Albuquerque, NM, United States, Maseno University School of Science and Technology, Kakamega, Kenya, University of New Mexico, Department of Emergency Medicine, Albuquerque, NM, United States, Department of Applied Computer and Biosciences, University of Applied Sciences Mittweida, Technikumplatz, Mittweida, Germany, Theoretical Biology and Biophysics Group, Theoretical Division, Los Alamos National Laboratory, Los Alamos, NM, USA, Los Alamos, NM, United States

ASSOCIATION BETWEEN THE GUT MICROBIOME AND MALARIA INCIDENCE IN INFANTS LIVING IN MALAWI

Esther Ndungu, Andrea G. Buchwald, Miriam K. Lauper, Marcela F. Pasetti, David A. Rasko
University of Maryland School of Medicine, Baltimore, MD, United States

DEFINING THE PLASMODIUM PIPECOLID ACID PATHWAY AND ROLE IN CEREBRAL MALARIA

Akua Mensah, Cheryl Sachdeva, Tarun Keswani, Edward Nieves, Phottini Sinnis, Terrie Taylor, Karl Seydel, Kye Rhe, Anas Saleh, Johanna P Daily
1CUNY Lehman College, Bronx, NY, United States, 2Albert Einstein College of Medicine, Bronx, NY, United States, 3Johns Hopkins University, Baltimore, MD, United States, 4Michigan State University, East Lansing, MI, United States, 5Weill Cornell Medical College, New York, NY, United States

MALARIA - INTESTINAL PARASITES COINFECTION AMONG CHILDREN IN A LYGMATICAL FILARIASIS ENDEMIC REGION OF GHANA

Amma A. Larbi, Rosemond Mawuenyega, Emmanuel Amewu, Stephen Opoku, Solomon Wireko, Alexander Kwarteng
1KNUST(Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 2Kumasi Technical University, Kumasi, Ghana

UNRRAVELING VAR COMPLEXITY: RELATIONSHIP BETWEEN DBLA TYPES AND VAR GENES IN PLASMODIUM FALCIPARUM

Mun Hau Tan, Heejueng Shim, Yao-ban Chan, Karen P. Day
The University of Melbourne, Melbourne, Australia
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Maseno University, Maseno, Kenya, University of New Mexico HSC, Center for Global Health, Albuquerque, NM, United States, University of Embu, Embu, Kenya, Los Alamos, NM, United States, University of New Mexico HSC, Dept of Emergency Medicine, Albuquerque, NM, United States, University of Applied Sciences Mittweida, Mittweida, Germany, Temple University, Philadelphia, PA, United States

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SINGLE CELL SEQUENCING OF BRAIN SEQUESTERED CD8+ T CELLS DURING EXPERIMENTAL CEREBRAL MALARIA

Miranda S. Oakley, Victoria Majam, Hong Zheng, Mark K. Kukuruga, Sanjai Kumar

FD, Silver Spring, MD, United States

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IMPORTANCE OF INSULIN-LIKE GROWTH FACTOR : IGF-1 IN PLASMODIUM VIVAX MALARIA

Miriam Elena Cantero Guevara, María F. Acosta Yasnoff, María C. Velasco Pareja, Luis S. Ramos González

University of Cordoba, Monteria - Cordoba - Colombia, Colombia

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Institut Pasteur de Dakar, Dakar, Senegal, Université Cheikh Anta Diop de Dakar, Service d’Immunologie FMPO, Dakar, Senegal

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Samba Diarra, Mohamed Moumine Traore, Mahamoudou Toure, Seydou Doumbia

USITB, Bamako, Mali

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Ibrahim Sanogo, Drissa Konate, Sory Ibrahima Diawara, Bourama Keita, Djeneba Dabitoa, Seydou Doumbia, Mahamoudou Diakité

University Clinical Research Center, Bamako, Mali, International Center for Excellence in Research, Faculty of Medicine and Odontostomatology, University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali

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Kadja Ouédraogo, Marc Christian Tahita, Bérneger Kaborè, Hyacinthe Sanou, Toussaint Rouamba, Adélaïde Compaoré, Paul Sondo, Ibboudou Hamidou, Karim Derra, Macaire Nana, Léa Pare, Halidou Tinto

Clinical Research Unit of Nanoro, OUAGADOUGOU, Burkina Faso, Clinical Research Unit of Nanoro, Institut de Recherche en Sciences de la Santé/Direction Régionale du Centre Ouest, OUAGADOUGOU, Burkina Faso, Clinical Research Unit of Nanoro, Institut de Recherche en Sciences de la Santé/Direction Régionale du Centre Ouest, OUAGADOUGOU, Burkina Faso

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Misganu Endriyas Tantu, Tarekegn Solomon Tantu, Taye Gari, Tekla Samuel, Bernt Lindtjørn

Hawassa University, Hawassa, Ethiopia, Centre for International Health, University of Bergen, Bergen, Norway

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Adaeze Catherine Aidenagbon, Taiwo Ibiniaye, Olabisi Ogunmola, Chibuzo Oguoma, Olusola Oresanya

Malaria Consortium, Abuja, Nigeria

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Teka Samuel Debeko, Tarekegn Solomon Shanka, Taye Gari Ayanar, Misganu Endriyas Tantu, Bernt Lindtjørn

Hawassa University, Hawassa, Ethiopia, Centre for International Health, University of Bergen, Bergen, Norway

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Musa Odongo, Anthony Nuwa, Chucks Nnaji, Tonny Kyagulanyi, David Salandini Odong, Jane Nabakooza, Richard Kajubi, Maureen Nakirunda, Damian Rutazaana, Denis Rubahikira, Godfrey Magumbar, Jimmy Opigo

Malaria Consortium, Kampala, Uganda, Malaria Consortium, London, United Kingdom, Ministry of Health, Kampala, Uganda

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Jane Klein A.Ikapesi, Prisca A. Oria, Lucy H. Baker, Julius I. Odero, Sheila Ekodir, Moureen Ekisa, Steven A. Harvey, Eric Ochomo, April Msonde

Kenya Medical Research Institute, Kisumu, Kenya, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, Johns Hopkins Center for Communication Programs, Baltimore, MD, United States
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Kelly M Searle1, Keeley Morris1, Dominique E. Earland1, Albino B. Francisco1, Vali Muhiro1, João L. Ferrião2
1University of Minnesota School of Public Health, Minneapolis, MN, United States, 2Escola Superior de Saúde, Cotonou, Benin

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1Clinical Research Unit of Nanoro/IRSS-DRC, Nanoro, Burkina Faso, 2Department of Translational Physiology, Infectology and Public Health, Ghent University, Merelbeke, Belgium, 3Clinical Research Unit of Nanoro, Nanoro, Burkina Faso

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1Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, 2Tropical Disease Research Centre, Ndola, Zambia, 3U.S. President's Malaria Initiative (PMI), U.S. Centers for Disease Control and Prevention (CDC), Atlanta, GA, United States, 4VectorLink, Lusaka, Zambia, 5Ministry of Health, District Health Office, Nichelenge, Zambia, 6National Malaria Elimination Center, Lusaka, Zambia, 7U.S. President's Malaria Initiative (PMI), U.S. Centers for Disease Control and Prevention (CDC), Lusaka, Zambia, Johns Hopkins School of Medicine, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States

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Moureen Eliska1, Prisca A. Ori1, Julius I. Odero1, Sheila Ekodir1, Jane Klein A. Ikapesi1, April Monroe1, Eric Ochomo1, Steven A. Harvey1
1Kenya Medical Research Institute, Kisumu, Kenya, 2Johns Hopkins Center for Communication Programs, Baltimore, MD, United States, 3Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States

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1MCD Global Health, Silver spring, MD, United States, 2MCD Global Health, Cotonou, Benin, 3U.S. President's Malaria Initiative, Cotonou, Benin, 4CDC, Atlanta, GA, United States, 5National Malaria Control Program, Ministry of Health, Cotonou, Benin, 6U.S. President's Malaria Initiative, Cotonou, Benin, 7U.S. President's Malaria Initiative Impact Malaria project, Jhpiego, Baltimore, MD, United States

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Sény Nikiema1, Issaka SOULAM1, Saïf SOMBIE1, Samuel Sindic SERME1, Noëlle Béré HERN1, Florence Wendkouni DJI1, Alfred B TIONO1, Sodionam B SIRIMA1, Jacques SIMPÔRE2
1Université Joseph Ki-ZERBO, Ouagadougou, Burkina Faso, 2Biomedical and Public Health Department, Institut de Recherche en Sciences de la Santé (IRSS)/Centre National de Recherche Scientifiques et Technologiques (CNRST), Ouagadougou, Burkina Faso, 3Research Department, Centre National de Recherche et de Formation sur le Paludisme (CNRFP)/Institut National de Santé Publique (INSP), Ouagadougou, Burkina Faso, 4Direction Scientifique, Groupe de Recherche Action en Santé, Ouagadougou, Burkina Faso, 5Observatoire de la Malaria, Ouagadougou, Burkina Faso, 6Research Department, Centre National de Recherche et de Formation sur le Paludisme (CNRFP)/Institut National de Santé Publique (INSP), Ouagadougou, Burkina Faso

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1Unité de Parasitologie/Faculté des Sciences de la Santé / Université d'Abomey Calavi, Cotonou, Benin, 2U.S. President's Malaria Initiative Impact Malaria project, MCD, Cotonou, Benin, 3U.S. President's Malaria Initiative Impact Malaria project, MCD, Silver spring, MD, United States, 4U.S. President's Malaria Initiative, Malaria Branch, CDC, Atlanta, GA, United States, 5U.S. President's Malaria Initiative, CDC, Cotonou, Benin, 6U.S. President's Malaria Initiative Impact Malaria project, Jhpiego, Baltimore, MD, United States, 7Ministry of Health, Cotonou, Benin, 8Ministry of Health, Cotonou, Benin

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Idelphonse Bonaventure Ahogni1, Germain G. Padonou1, Virgile Gnanguenou1, Martin C. Akogbeto1, CREC/LSHTM Collaborative Research Programme, Cotonou, Benin, 2Centre de Recherche Entomologique de Cotonou (CREC), Cotonou, Benin, 3U.S. President’s Malaria Initiative (PMI), US Agency for International Development (USAID), Cotonou, Benin, 4Cotonou, Benin

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Baltazar Candrinho1, Elsa Nhantumbo1, Sergio Gomez1, Marcos Chissano1, Albertina Chihale1, Sônia Mudengue1, Sadate Soumahoro1, Marguerite M. Clougherty1, Malia Skijete1, Meredith Center1
1Ministry of Health Mozambique, Maputo, Mozambique, 2Population Services International, Mozambique, 3U.S. President’s Malaria Initiative, Mozambique, 4Principal Health Directorate of Sofala/ Malaria Control Program, Mozambique, 5Sofala, Mozambique, 6Population Services International, Washington, DC, United States

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Michael Li, Benjamin Voller-Brown
Arizona State University, Tempe, AZ, United States
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Felix Manano1, Allan Matovu2, Alex Ojaku3, Robert Abiriga4, Irene Ochola2, Dorah Anita Talanta2, Ambrose Oketer3, Amy Casei4, Aliza Hasham5, Benjamin Binagwa1, Natalia Whitley1
1John Snow Inc, Kampala, Uganda, 2Program for Accessible Health Communication and Education, Kampala, Uganda, 3MCD Global Health, Kampala, Uganda, 4Another Option LLC, Kampala, Uganda, 5John Snow Inc, Boston, VA, United States, 6Dar es Salam, United Republic of Tanzania

"AFTER A LONG DAY OF PLAY, I GET TIRED AND FORGET TO UNFURL MY BEDNET": EXPLORING BARRIERS AND FACILITATORS OF BEDNET USE IN EASTERN UGANDA

Deborah Ekuasi-Sebatta1, Sarah M. Alexander1, John C. Rek2, Moses Kamya1, Grant Dorsey1, Paul Kreuznakski1
1Infectious Diseases Research Collaboration, Kampala, Uganda, 2Children's National Hospital, Washington, DC, United States, 3University of California San Francisco, San Francisco, CA, United States

PREDICTORS OF ACCESS TO SEASONAL MALARIA CHEMOPREVENTION MEDICINES OUTSIDE HOUSEHOLD VISITS IN NIGERIA IN 2021

Sikai Huang1, Sol Richardson1, Taiwo Ibiniaye2, Olusola Oresanya1, Chuks Nnaji1, Kevin Baker2
1Vanke School of Public Health, Tsinghua University, Beijing, China, 2Malaria Consortium Nigeria, Abuja, Nigeria, 3Malaria Consortium UK, London, United Kingdom

THE ROLE OF COMMUNITY DRUG DISTRIBUTORS IN THE QUALITY OF SMC DELIVERY IN NIGERIA

Olabisi A. Ogunmola1, Taiwo Ibiniaye2, Adeaze Aidenagbon3, Chibuzo Oguoma2, Olusola Oresanya1, Christian Rassi3
1Malaria Consortium, FCT, Nigeria, 2Malaria Consortium, London, United Kingdom

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Erica Vigan1, 1Maria Suau Sans2, Ekechi Okereke2, Helen Smith3, Ivan A. Pulido4, Terquino5, Mercia Sito6, Francis Okot1, Maureen Nakirunda7, Jennifer Ainsworth1, Jamshed Khan8, Anthony Nuwa9, Sonia M. Enosser10, Olusola Oresanya11, Kevin Baker12, 1Malaria Consortium, London, United Kingdom, 2Malaria Consortium, Abuja, Nigeria, 3International Health Consulting Services Ltd, Wirral, United Kingdom, 4Malaria Consortium, Maputo, Mozambique, 5Malaria Consortium, Kampala, Uganda, 6Malaria Consortium, Aweil, South Sudan, 7Malaria Consortium, Moroto, Uganda, 8Malaria Consortium, Juba, South Sudan, 9Malaria Consortium, Kampala, Uganda

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Ludoviko Zirimunya1, Gyaviara Nkurunungu1, Agnes Natukunda1, Jacent Nassuuna1, Emily Web1, Alison Elliott2
1MRC/UVRI & LSHTM Uganda Research Unit, Entebbe, Uganda, 2London School of Hygiene & Tropical Medicine, London, United Kingdom

COMMUNITY PERCEPTIONS ON FEASIBILITY AND ACCEPTABILITY OF SEASONAL MALARIA CHEMOPROPHYLAXIS IN AWEIL SOUTH COUNTY NORTHERN BAHR EL GHAZAL STATE SOUTH SUDAN

Francis Okot1, Jamshed Khan1, Abubaker R. Deng2, Denis Mubiru3, Maria Suau Sans1, Erica Vigan1, Christopher Rassi3, Kevin Baker1
1Malaria Consortium, Juba, South Sudan, 2Malaria Consortium, London, United Kingdom

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Chukwudi A. Nnaji4, Benoit Sawadogo2, Sidzabda Kompaore2, Monica A. de Cola2, Cheick Compaore2, Christian Rassi3
1Malaria Consortium UK, London, United Kingdom, 2Malaria Consortium Burkina Faso, Ouagadougou, Burkina Faso, 3Permanent Secretary, Malaria Elimination Department, Ministry of Health, Burkina Faso, Ouagadougou, Burkina Faso

Malaria – Surveillance and Data Utilization

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Neide Canana1, Arsenio Sergio2, Edson Zandamela3, Antonio Bulo4, Sonia Maria Enosser5, Baltazar Candirinho6, Maria Rodrigues6, Ruth Kigozi7
1Malaria Consortium, Maputo, Mozambique, 2Malaria Consortium, Kampala, Uganda

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Chinwe Nweze1, Linda Lawrence2, Aminobla Olayemi2, Arja Huete3, Victor Bassey4, Augustine Firima5, Oluwatobiloba Akerele1, Uyi Assuquo6, Adieronke Omokhaupere7, IniAbasi Inlag8, Abiloke Olatayo9, Uchenne Nwokekenn10, Thomas Hall11, Allan Were9, Olugbenga Mokuolu12, Erkwhag Dagba13, Veronica Morn14, Jules Mihigo15, Chukwu Okoronkwo16, Perpetua Umoebiho9
1United States President’s Malaria Initiative for States, Management Sciences for Health, Washington, DC, United States, 2United States President’s Malaria Initiative for States, Management Sciences for Health, Arlington, VA, United States, 3State Malaria Elimination Program, Ministry of Health, Cross River, Nigeria, 4United States President’s Malaria Initiative, United States Agency for International Development, Abuja, Nigeria, 5National Malaria Elimination Program, Ministry of Health, Abuja, Nigeria

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Michael Gulaka1, Goodluck Teshaa1, Stella Mkwawuza2, Sidda Mgtaa3, Geoffrey Mengaka1, Nicodemus Govella1, Abdallah Lusasi1, Charlotte Ediss1, Marguerite M. Clougherty3, Albert Ikonje1, Chonge Kitojo1, Erik Reaves1, Sigisbert Mkude1, Samwel Lazar01, Lolade Oseni1, Katherine Wolf1
1Population Services International (PSI), Dar es Salaam, United Republic of Tanzania, 2Jhpiego, Dar es Salaam, United Republic of Tanzania, 3National Malaria Control Programme, Dodoma, United Republic of Tanzania, 4PMI Impact Malaria Project, Population Services International, Washington, DC, United States, 5Population Services International (PSI), Washington, DC, United States, 6U.S. President’s Malaria Initiative, U.S. Agency for International Development, Dar es Salaam, United Republic of Tanzania, 7U.S. President’s Malaria Initiative, U.S. Centers for Disease Control and Prevention, Dar es Salaam, United Republic of Tanzania, 8PMI Impact Malaria Project, Jhpiego, Baltimore, MD, United States
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1Harvard T.H. Chan School of Public Health, Boston, MA, United States, 2Broad Institute of MIT and Harvard, Cambridge, MA, United States, 3International Research and Training Center for Applied Genomics and Health Surveillance (CIGASS) at the University Cheikh Anta Diop, Dakar, Senegal, 4Senegal National Malaria Control Program, Dakar, Senegal, 5Institute for Disease Modeling, Bill & Melinda Gates Foundation, Seattle, WA, United States, 6Harvard University, Cambridge, MA, United States

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1The Mentor Initiative, Luanda, Angola, 2Elimination 8, Luanda, Angola, 3National Malaria Control Programme, Ministry of Health, Luanda, Angola, 4The Mentor Initiative, Haywards Health, United Kingdom

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1University of Maryland School of Medicine, Baltimore, MD, United States, 2Boston University, Boston, MA, United States, 3Kamuzu University of Health Sciences, Blantyre, Malawi, 4University of Michigan School of Public Health, Ann Arbor, MI, United States, 5Michigan State University, Lansing, MI, United States

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1PSI, Antananarivo, Madagascar, 2Madagascar Ministry of Public Health, Antananarivo, Madagascar, 3MCD Global Health Madagascar, Antananarivo, Madagascar, 4The Mentor Initiative, Luanda, Angola

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1PATH, Kinshasa, Democratic Republic of the Congo, 2PATH, Seattle, WA, United States, 3PATH, Maputo, Mozambique, 4DRC National Malaria Control Program, Kinshasa, Democratic Republic of the Congo, 5BlueSquare, Etterbeek, Belgium

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1PATH Malaria Control and Elimination Partnership in Africa (MACEPA), Seattle, WA, United States, 2Ministry of Health, Addis Ababa, Ethiopia, 3Ministry of Health, PATH Malaria Control and Elimination Partnership in Africa (MACEPA), Addis Ababa, Ethiopia, 4PATH Malaria Control and Elimination Partnership in Africa (MACEPA), Addis Ababa, Ethiopia, 5Emergency Preparedness and Response Cluster, World Health Organization, Addis Ababa, Ethiopia, 6Department of Epidemiology and Biostatistics, Institute of Public Health, University of Gondar, Gondar, Ethiopia, 7PATH Malaria Control and Elimination Partnership in Africa (MACEPA), Maputo, Mozambique

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Sirasate Bantuchai
Mahidol University, Bangkok, Thailand

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1London School of Hygiene & Tropical Medicine, London, United Kingdom, 2University of Sciences Technologies and Techniques of Bamako, Bamako, Mali, 3Radboud University Medical Center, University of Nijmegen, Nijmegen, Netherlands

Cestodes (including taeniasis and cysticercosis, echinococcosis/hydatid disease, and others)

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University of São Paulo, São Paulo, Brazil

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1Institut des Sciences et Techniques (INSITech), Bobo-Dioulasso, Burkina Faso, 2Institut de Recherche en Sciences de la Sante (IRSS), Bobo-Dioulasso, Burkina Faso
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Philipp Schwabl1, W. Robert Shaw2, Shriya Anandjee3, Maurice Itoe4, Duo Peng4, Angela Early1, Flaminia Catteruccia5, Daniel Neafsey1
1Harvard T.H. Chan School of Public Health, Boston, MA, United States, 2Harvard T.H. Chan School of Public Health / Howard Hughes Medical Institute, Boston, MA, United States, 3Broad Institute of MIT and Harvard, Cambridge, MA, United States

PARASITOLOGY/USTTB, Bamako, Mali
Aberra Kassa1, Michael White2, Teun Bousema3, Chris Drakeley4, Fitsum G Dembele3
1Armauer Hansen Research Institute, Addis Ababa, Ethiopia, 2Institut Pasteur, Paris, France, 3US Army Research Institute of Infectious Diseases, Frederick, MD, United States, 4Malaysia Research Program, Center for Vaccine Development and Global Health, University of Maryland School of Medicine, Baltimore, MD, United States

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Francois Dao1, Alejandro Marin Menendez2, Abdoulaye Djimde3, Arthur Talman4, Laurent Debelle5
1MRC-Parasitology/DERS-PFMS/USTTB, Bamako, Mali, 2IRD, Montpellier, France, 3MRC-Parasitology/USTTB, Bamako, Mali

MOUSE ERYTHROCYTE BASIGIN INTERACTS WITH PLASMODIUM YoEL2 ERYTHROCYTE BINDING LIKE PROTEIN
Takaaki Yuguchi1, Bernard N. Kano1, Hikaru Nagaoka1, Toyokazu Miura1, Daisuke Ito1, Hiroyuki Takegahara1, Takafumi Tsuboi1, Yoichi Tsumura2, Hitoshi Osuku1
1Division of Malaria Research, Proteo-Science Center, Ehime University, Matsuyama, Japan, 2Division of Medical Zoology, Department of Microbiology and Immunology, Faculty of Medicine, Tohoku University, Sendai, Japan

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Wakweya Chali1, Ainme Taylor2, Migbaru Keffa3, Lina Alemayehu1, Melat Abdo1, Desalegn Niriat1, Zewdu Solomon1, Abrahm Gashaw1, Temesgen Ashine1, Fikregabriel Aberra Kassa2, Michael White1, Teun Bousema3, Chris Drakeley1, Fitum Tadesse1, Armuer Hansen Research Institute, Addis Ababa, Ethiopia, 1Institut Pasteur, Paris, France, 2Radboud University Medical Centre, Nijmegen, Netherlands, 3London School of Hygiene & Tropical Medicine, London, United Kingdom
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Daming Zhu, Holly McClellan, Weili Dai, Alec Allee-Munoz, Timothy Daniel, Karine Reiter, Nicholas J. MacDonald, David L. Narum, Kelly M. Rausch, Patrick E. Duffy
Laboratory of Malaria Immunology and Vaccinology, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States

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*B Brigham and Women’s Hospital, Boston, MA, United States, *Ragon Institute, Cambridge, MA, United States, *Wellcome Sanger Institute, Hinxton, United Kingdom, *York Biomedical Research Institute, York, United Kingdom, -MIT, Cambridge, MA, United States, -Sanaria Inc., Rockville, MD, United States, -Vaccine Research Center, National Institutes of Health, Bethesda, MD, United States
(ACMCI Abstract)

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*KEMRI/USAMRD-A, Kisumu, Kenya, -Department of Genetics and Parasite Biology Malaria Vaccine Branch, Walter Reed Army Institute of Research, Walter Reed Army Research Institute USA, MD, United States, -United States Army Medical Research Directorate-Africa, Kenya (USAMRD-K), Kisumu, Kenya

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Victoria Seffren*, Brian Sedar, Oliver Towett, Nelli Westercamp, Julie Gutman*, Simon Kariuki*, Feiko O. ter Kuile*, Aaron M. Samuelu*, Titus Kwambai*
*US Centers for Disease Control and Prevention, Atlanta, GA, United States, *Centre for Global Health Research, Kenya Medical Research Institute, Kisumu, Kenya, -Department of Clinical Sciences, Liverpool School of Tropical Medicine, Liverpool, United Kingdom, -US Centers for Disease Control and Prevention, Kisumu, Kenya

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Christopher Chikhosi C. Stanley*, Harrison Mukau, Vincent S. Phiri, Tabitha Kaunda, Lawrence N. Kazembe*, Jobiba Chipkhumba*, Atupele K. Tembo*, Don P. Mathanga*, Malawi Centre for Vaccine Development and Global Health, University of Maryland School of Medicine, Baltimore, USA, Baltimore, MD, United States, *Department of Global Health, Boston University, School of Public Health, Boston, MA, USA, Boston, MA, United States, -Department of Osteopathic Medical Specialties, College of Osteopathic Medicine, Michigan State University, East Lansing, Michigan, USA, Michigan, MI, United States

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Peter A. M. Indtendan*, Alfred Matengeni*, Lauren Coheere, Mark L. Wilson*, Alick Sixpence*, Noel Patson*, Karl B. Seydel*, Miriam K. Laufer*, Clarissa Vail*, Don P. Mathanga*, Malaria Alert Centre, Kamuzu University of Health Science, Malawi, Blantyre, Malawi, Center for Vaccine Development and Global Health, University of Maryland School of Medicine, Baltimore, USA, Baltimore, MD, United States, *University of Michigan, Michigan, MI, United States, *Department of Global Health, Boston University, School of Public Health, Boston, MA, USA, Boston, MA, United States, -Department of Osteopathic Medical Specialties, College of Osteopathic Medicine, Michigan State University, East Lansing, Michigan, USA, Michigan, MI, United States

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Angela M. Early*, The MAL095 Study Group*
*Broad Institute of MIT and Harvard, Cambridge, MA, United States

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*US Centers for Disease Control and Prevention, Atlanta, GA, United States, *Centre for Global Health Research, Kenya Medical Research Institute, Kisumu, Kenya, -Department of Clinical Sciences, Liverpool School of Tropical Medicine, Liverpool, United Kingdom, -US Centers for Disease Control and Prevention, Kisumu, Kenya

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Yevle Flores-Garcia*, Emily Locke*, Randall S. MacGill*, Bryan T. Mayer*, Bhavesh Borate*, C. Richter King*, Fidel Zavala* and Angela M. Early*
*Johns Hopkins School of Public Health, Baltimore, MD, United States, *Malaria Research and Training Center, University of Sciences, Technologies, and Techniques of Bamako, Bamako, Mali, *PATH, Seattle, WA, United States, -GlaxoSmithKline, Wavre, Belgium
Bacteriology - Enteric Infections

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Redemptah Yeda, George Makaliwa, John Gachohi, Gideon Kikwi
Jomo Kenyata University of Agriculture and Technology, Nairobi, Kenya

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International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh

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CLINICAL, SOCIO-ECONOMIC AND PATHOGENIC FACTORS OF WASTED AND OVERWEIGHT/OBESE UNDER-FIVE CHILDREN WITH DIARRHOEA: EXPERIENCE FROM AN URBAN HOSPITAL IN BANGLADESH

Md Ridwan Islam, Shariqah Nuzhat, Jinat Alam, ASG Faruque, Tahmeed Ahmed
International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh

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Mst Mahmouda Ackhter, Abu Sadat Mohammad Sayeem Bin Shahid, Irin Parvin, Tahmina Alam, Md Farhad Kabir, Mohammad Mobayer Chisti
icddr,b, Dhaka, Bangladesh

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Rania Nada, Isabelle Nahtla, Rebecca Pavlicek, Alexandria Kesterson, Jae Dugan, Samuel Levin
1U.S. Naval Medical Research Unit Number Three (NAMRU-3), Cairo, Egypt, 2Naval Medical Research Command, Silver Spring, MD, United States, 3U.S. Naval Medical Research Unit Number Three (NAMRU-3), Signa, Italy

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ASSOCIATION BETWEEN ENTEROPATHOGENS, THE GUT MICROBIOTA AND BIOMARKERS OF ENVIRONMENTAL ENTERIC DYSFUNCTION IN RURAL MALAWIAN CHILDREN

David Chaima1, Lyson Samikwa1, John Hart1, Harry Pickering1, Khumbo Kalua1, Kenneth Maleta1, Robin Bailey2, Martin Holland3
1Kamuzu University of Health Sciences, Blantyre, Malawi, 2London School of Hygiene & Tropical Medicine, London, United Kingdom
(ACMCIP Abstract)

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Fardaus Ara Begum, Sharika Nuqhat, Abu Sayeem Mirza MD Hasibur Rahman, MD Ahshanul Haque, MD Farhad Kabir, Paul Daru, Azharul Islam Khan, Sayara Banu, Tahmeed Ahmed, Mohammad Mobayer Chisti
International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh

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EPIDEMIOLOGICAL AND LABORATORY INVESTIGATION TO IDENTIFY SOURCES OF A COMMUNITY OUTBREAK OF CHOLERA

Gunaraj Dhuungana1, Pradip Gyanwali1, Bishnu P. Marasini1, Sunam Pant1, Shristi Kar1, Anil Faduel1, Meghnath Dhimal1, Janak Koirala1
1Nepal Health Research Council, Kathmandu, Nepal, 2Southern Illinois University School of Medicine, Springfield, IL, United States

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Irin Parvin, Abu Sadat Mohammad Sayeem Bin Shahid, Mst. Mahmouda Akhter, Md. Farhad Kabir, Tahmina Alam, Mohammad Mobayer Chisti
icddr,b, Dhaka, Bangladesh

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CLINICAL AND ENVIRONMENTAL EPIDEMIOLOGY OF VIBRIO CHOLERAE IN EASTERN DEMOCRATIC REPUBLIC OF THE CONGO, 2020-2022 (PICHA7 PROGRAM)

Christine Marie George1, Lucien Bisimwara2, Kelly Endres1, Camille Williams1, Jean-Claude Bisimwara1, Presence Sarvura1, Jamie Perin2, Chirhuza Cikomola2, Ghislain Maheshe2, David Sack3, Alain Mwishingo4
1Johns Hopkins Bloomberg School of Public Health, Maryland, MD, United States, 2University of Kinshasa, Congo, 3University of Chicago, Chicago, IL, United States

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Zoumana I. Traore1, Afsheen Ghani1, Zulfiquar A. Naqvi1, Kusar A. Saldera1, Furqan Hasan1, Shamsul A. Qasmi1, Claire J. Standley1
1Georgetown University, Washington, DC, United States, 2Sky Blue Lab, Karachi, Pakistan, 3Iqra National Medical College & Hospital, Karachi, Pakistan, 4Jinnah Postgraduate Medical Centre, Karachi, Pakistan, 5National Institute of Child Health, Karachi, Pakistan

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Aymaan A. Elbadry, Reem Y. Al Jindan, Nehal M.M. Hosin, Abdulaziz Al Quorain
Department of Microbiology, College of Medicine, Dammam, Saudi Arabia
(ACMCIP Abstract)
Bacteriology - Trachoma

USE OF BIOMARKERS TO MONITOR TRACHOMA PREVALENCE AFTER IMPLEMENTATION OF MORE FREQUENT THAN ANNUAL MDA IN MAASAI COMMUNITIES IN NORTHERN TANZANIA

Molly W. Adams, William E. Oswald, Veronica Kabona, Mabula Kasubi, Alistidia Simon, Jeremiah Ngoni, George Kabona
-RTI International, Washington, DC, United States, -RTI International, Dar es Salaam, United Republic of Tanzania, -Muhammad University of Health and Allied Sciences, Dar es Salaam, United Republic of Tanzania, -Independent, Dar es Salaam, United Republic of Tanzania, -Neglected Tropical Diseases Control Program – Ministry of Health, Dodoma, United Republic of Tanzania

QUALITY OF TRACHOMATOUS TRICHIASIS (TT) SURGERY IN 25 DISTRICTS OF SNNP AND SWE REGIONS: SUMMARY FINDINGS OF 31 SURGICAL AUDITS IN 2022

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-Orbis, Addis Ababa, Ethiopia, -Orbis, New York, NY, United States

UTILIZING MOLECULAR DIAGNOSTICS TO SUPPORT THE TRACHOMA CONTROL PROGRAM IN NAURU

Carleigh Simone Cowling, Sue-Chen Apadinuwe, Anasaini Cama, Mitchell Starr, Sarah Boyd, Susana Vaz Nery
-The Kirby Institute, Kensington, NSW, Australia, -Nauru Ministry of Health, Nauru, Nauru, -Fred Hollows Foundation, N/A, Australia, -St. Vincent's Centre for Applied Medical Research, Sydney, Australia, -International Trachoma Initiative, Decatur, GA, United States

NEARING ELIMINATION OF TRACHOMA AS A PUBLIC HEALTH PROBLEM IN AUSTRALIA

Carleigh Simone Cowling, Susana Vaz Nery, John Kaldor
-The Kirby Institute, Kensington, NSW, Australia

OLDER AGE IN SUBARACHNOID NEUROCYSTICERCOSIS REFLECTS A LONG PRE-PATENT PERIOD

Fernando Nateros, Edith Saenz, Herbert Saavedra, Isidro Gonzales, E. Javier Pretell, Erika Perez, Yesenia Castillo, Javier A. Bustos, Hector H. Garcia
-Universidad Peruana Cayetano Heredia, Lima, Peru, -Instituto Nacional de Ciencias Neurologicas, Lima, Peru, -Hospital Nacional Alberto Sabogal Sologuren, Callao, Peru

SEROPREVALENCe AND RISK FACTORS FOR NEUROCYSTICERCOSIS IN MEXICAN-AMERICANS IN STARR COUNTY, TEXAS

Megan M. Duffey, Elise M. O’Connell, Lauren M. Leining, Nina L. Tang, Craig L. Hanis, Eric L. Brown, Sarah M. Gunter
-Baylor College of Medicine, Houston, TX, United States, -National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States, -University of Texas School of Public Health, Houston, TX, United States

THE POTENTIAL MECHANISTIC PATHWAYS LEADING FROM PARASITE INFECTION TO CHILDHOOD STUNTING

Isobel Litton Gabain, Anoushcha S. Ramstiein, Joanne P. Webster
-Royal Veterinary College, Hatfield, United Kingdom, -Rowett Institute, Aberdeen, United Kingdom, -Royal Veterinary College, London, United Kingdom

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Amit Prasad, Rimanpreet Kaur
-Indian Institute of Technology Mandi, mandi, India

NEUROCYSTICERCOSIS, NEUROLOGICAL DISEASE AND HIV IN THE EASTERN CAPE PROVINCE OF SOUTH AFRICA

Hélène Carabin, Humberto Foyaca-Sibat, Christine T. Bennet, Katrina Di Bacco, Stephen Korsman, Lourdes de Fatima Ibanez-Valdez, Pierre Dormy, Sarah Gabriell
-Université de Montreal, Saint-Hyacinthe, QC, Canada, -Walter Sisulu University, Mthatha, South Africa, -University of Oklahoma Health Sciences Center, Oklahoma City, OK, United States, -National Health Laboratory Service, Cape Town, South Africa, -Nelson Mandela Academic Central Hospital, Mthatha, South Africa, -Institute of Tropical Medicine, Antwerp, Belgium, -Ghent University, Ghent University, Belgium

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Luz Toribio, Yesenia Castillo, Carolina Guzman, Gianfranco Arroyo, Cindy Espinoza, Herbert Saavedra, Javier Bustos, Pierre Dormy, Seth O’Neal, Hector Garcia
-Center for Global Health, Lima, Peru, -Division of Biomedical Sciences, Institute of Tropical Medicine, Antwerp-Belgium, Lima, Peru, -School of Public Health, Oregon Health & Sciences, Portland State University, Oregon, USA, Portland, OR, United States

MULTIPLEX BEAD ASSAY (MBA) FOR THE ASSESSMENT OF ANTIBODY RESPONSES DURING CYSTICERCOSIS IN EXPERIMENTAL INFECTED PIGS

Luz M. Toribio, Sukwan Handali, Sassan Noazin, Gianfranco Arroyo, Javier Bustos, Hector H. Garcia
-Center for Global Health, Universidad Cayetano Heredia, Lima, Peru, -Division of Parasitic Diseases, Center for Disease Control and Prevention, Atlanta, GA, United States, -Department of International Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States

LATERAL FLOW TEST FOR NEUROCYSTICERCOSIS - PRELIMINARY EVALUATION

Nadya Karaseva, Drew Miller, Elise M. O’Connell, Andrew Levin
-Resphera Diagnostics, LLC, Framingham, MA, United States, -National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States

LATE POST-TREATMENT INFLAMMATORY RESPONSE AND RESIDUAL CALCIFICATION IN NEUROCYSTICERCOSIS

Laura E. Baquedano Santana, Noemi Miranda, Gianfranco Arroyo, Hector H. Garcia, Javier A. Bustos
-Universidad Peruana Cayetano Heredia, Lima, Peru, -Instituto Nacional de Ciencias Neurologicas, Lima, Peru

(ACMCIP Abstract)
Helminths – Nematodes – Intestinal Nematodes

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INFLUENCE OF EUKARYOTIC ENTERIC PATHOGENS ON THE GUT FUNGAL MICROBIOTA IN MALIAN CHILDREN

Aly Kodio1, Estelle Menur2, Safiatou Dounmo3, Drissa Coundaly4, Abdoulaye Kassoum Koné1, Salimata Konaté5, Lamine Tall6, Abdoulaye Djimdé7, Didier Raoul7, Mahamadou Aly Thera1, Stéphane Ranque

'Malaria Research and Training Center, USSTB, Bamako, Mali; 2Aix Marseille Université, Institut de Recherche pour le Développement, Assistance Publique-Hôpitaux de Marseille, Service de Santé des Armées, VITROME; 3Vegetes – Infections Tropicales et Méditerranéennes, 19-21 Boulevard Jean Moulin, 13005 Marseille, Fr, Marseille, France, 4Aix Marseille Université, Institut de Recherche pour le Développement, Assistance Publique-Hôpitaux de Marseille, Service de Santé des Armées, MÉPHI; 5Microbes, Evolution, Phylolologie et Infection, 19-21 Boulevard Jean Moulin, 13005 Marseille, France.

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HELMINTH INFECTION DRIVES REDUCED SERUM COMPLEMENT AND COMPLEMENT REGULATORY PROTEIN ACTIVATION IN INDIVIDUALS WITH COINCIDENT TYPE 2 DIABETES

Anuradha Rajamanickam1, Bindu Dasan1, Saravanan Munisankar2, Pradeep Aravindan Menon1, Payaz Ahamed Shaik1, Ponnuraja Chinnaiyan1, Thomas B. Nutman3, Subash Babu1

1NIRT-ICER, Chennai, India; 2National Institute for Research in Tuberculosis, Chennai, India; 3Laboratory of Parasitic Diseases, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States.

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DESCRIPTIVE AND PREDICTIVE ANALYSIS OF SOIL-TRANSMITTED HELMINTHIASIS IN SCHOOLCHILDREN OF TIRRAULTA, CORDOBA, COLOMBIA

Ana Karina Nisperuza Vidal1, Mayra Lligia Raciny Aleman2, William Segundo Hoyos3, Morales Maria Fernanda Yasnout Acosta4

1Universidad de Cordoba, Monteria, Colombia.

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Gertrudis Ribado Meñe1, Maximillian G. Mpina1, Alejandro Lopelo Bologa2, Elizabeth L. Nyakarungu1, José Raso Bijeri1, Antonio Martin Elos Oro3, Florentino Abaga Ondo4, Guillermo A. Garcia5, Wonder P. Phiri6, Mohamed Ali7, Jean Claude Dejon Agobé8, Ayola Akim Adeg Media9, Salim M. Abdalla1

1National University of Equatorial Guinea, Malabo, Equatorial Guinea; 2Ifakaka Health Institute, Dar-es-Salaam, United Republic of Tanzania; 3Laboratorio de Investigación de Baney, Baney, Equatorial Guinea; 4Equatorial Guinea Ministry of Health, Malabo, Equatorial Guinea; 5MCD Global Health, 8403 Colesville Rd, MD, United States; 6Centre de Recherches Médicales Lambanèrè, Lambanèrè, Gabon; 7Institut für Tropenmedizin, Universität Tübingen and German Center for Infection Research, Tübingen, Germany.

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Onyino M. Ukpai1, Michael Okpara University of Agriculture, Umudike, Nigeria.
Clinical Tropical Medicine

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Paul C. Holden1, Sory Vasquez Alves2, Neusa Vasquez Alves3, Xiaofan Huang4, Charles Minard5, Patti E. Gravitt6, Robert H. Gilman7, Eva H. Clark8
1Department of Medicine, University of Pittsburgh Medical Center, Pittsburgh, PA, United States, 2Asociación Benéfica PRISMA, Lima, Peru, 3Institute for Clinical and Translational Research, Baylor College of Medicine, Houston, TX, United States, 4Center for Global Health, National Cancer Institute, Rockville, MD, United States, 5Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States, 6Department of Medicine, Section of Infectious Diseases, Baylor College of Medicine, Houston, TX, United States

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Selamawit Girma Hailu
Addis Ababa University, Addis Ababa, Ethiopia

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Deepani Darshika Fernando1, Sara Taylor, Gangi Samarawickrama, Nirupama Nammunige, Katja Fischer
QIMR Berghofer Medical Research Institute, Brisbane, Australia

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Ho Quang Chanh1, Huynh Trung Trieu1, Tu Qui Phan1, Duyen Huynh Le1, Bridget Wills2, Sophie Yacoub1
1Oxford University Clinical Research Unit, Ho Chi Minh, Vietnam, 2Hospital for Tropical Diseases, Ho Chi Minh, Vietnam

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Praise Oyedepo Okunlola
Faculty of Dentistry, College of Medicine, University of Ibadan, Ibadan, Nigeria

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Anik Palit1, Tanzi Ahmed Shuvo1, Mohammed Ziaur Rahman2, Zubair Akhtiar3, Probir Kumar Ghosh3, Muntasir Alam1, Md. Mahfuzur Rahman1, Mahmudur Rahman4, Pawan Angral1, Matthew Mikoleit3, Daniel Martin3, Fahmida Chowdhury1
1icddr,b, Dhaka, Bangladesh, 2Global Health Development, EMPHNET, Dhaka, Bangladesh, 3Centers for Disease Control and Prevention (CDC), Atlanta, GA, United States

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Benedicta K. Atsu1, Joseph Kenu1, Benjamin Buade2, Emma E. Kploanyi3, David A. Opare1, Franklin Asiedu-Bekoe1, Lee F. Schroeder4, David W. Dowdy5, Alfred E. Yawson6, Ernest Kenu1
1School of Public Health, University of Ghana, Accra, Ghana, 2National Public Health Reference Laboratory, Ghana Health Service, Accra, Ghana, 3Public Health Division, Ghana Health Service, Accra, Ghana, 4Department of Pathology and Clinical Laboratories, University of Michigan, Ann Arbor, MI, United States, 5Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, 6Department of Community Health, University of Ghana Medical School and Dentistry, Accra, Ghana

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Pankaj Sukhadiya1, Maya Gopalkrishnan1, Varatharajan Sakthivadivel2, Gopal Krishna Bohra1, Kamalakant Shukla1, Mahendra Kumar Garg1
1All India Institute of Medical Sciences, Jodhpur, India, 2All India Institute of Medical Sciences, New Delhi, India

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Frederique Jacquieroz1, Stefano Musumeci1, Iris Najjar1, Emmanuelle Boffi El Amari2, Laurent Kaiser1, Alexandra Calmy1, Manuel Schibler1, Sabine Yerly1
1Geneva University Hospitals, Genève, Switzerland, 2Private Practice, Genève, Switzerland

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Fanette Ravel1, Serge Diagbouga1, Aristophane Tanon1, Kigninlman Horo1, Solenne Robert1
1bioMerieux, Marcy L’etoile, France, 2Institut de Recherche en Sciences de la Santé, Ouagadougou, Burkina Faso, 3AFC de Réanimation médicale, Université Félix Houphouët Boigny, Abidjan, Côte D’ivoire, 4Unité de formation et de Recherche en Sciences Médicales, Université Félix Houphouët-Boigny d’Abidjan, Abidjan, Côte D’ivoire

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David M. Coomes1, Shyam Raghavan2, Brooks Morgan3, Robert H.J. Bandsma3, Chelsea Marie1, Sean Moore1, Philip I. Tarr4, Wieger Voskuil5, Donna M. Denno1
1University of Washington, Seattle, WA, United States, 2University of Virginia, Charlottesville, VA, United States, 3The Childhood Acute Illness & Nutrition (CHAIN) Network, Nairobi, Kenya, 4Washington University, St. Louis, MO, United States, 5Kamuzu University of Health Sciences, Blantyre, Malawi

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Alexandra P. Mauro1, Amy Davis1, Patrick W. Hickey1
1Walter Reed National Military Medical Center, Bethesda, MD, United States, 2Uniformed Services University, Bethesda, MD, United States

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Rosa-Margarita Gelvez Ramirez1, Monika Patricia Consuegra Rodriguez1, Maria Isabel Estupiñan2, Adriana Torres Rangel3, Victor Herrera3, Luis Angel Villar Centeno3
1Centro de Atencion y Diagnostico de Enfermedades Infecciosas-CDI, INFOVIDA, Bucaramanga, Colombia, 2Hospital Local del Norte, Instituto de Salud de Bucaramanga- ISABU, Bucaramanga, Colombia, 3Universidad Industrial de Santander, Department of Public Health, Bucaramanga, Colombia
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International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh

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1Instituto Gonçalo Moniz, Fiocruz-BA, Salvador, Brazil, 2Hospital Geral Roberto Santos (Secretaria Estadual da Saúde da Bahia), Salvador, Brazil, 3Instituto René Rachou-Fundação Oswaldo Cruz (MCT), Belo Horizonte, Brazil

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1University of the Philippines Manila, Manila, Philippines, 2Research Institute for Tropical Medicine, Muntinlupa, Philippines, 3University of Illinois at Urbana-Champaign, Urbana, IL, United States, 4University of North Carolina School of Medicine, Chapel Hill, NC, United States

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Tata Institute for Genetics and Society, Bangalore, Karnataka, India

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Addis Ababa University, Addis Ababa, Ethiopia

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Catholic University of Central Africa, Yaounde, Cameroon

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1Bridges to Development, Vashon, WA, United States, 2Frontline Aids, Brighton, United Kingdom

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Joyce Bartekwa, Jessica Tuan
1John F. Kennedy Medical Center, Monrovia, Liberia, 2Yale University School of Medicine, New Haven, CT, United States

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Dennys Jimenez, Anthony Hartzler, Ryan Wealthier, Clarissa Meza, Alia Nazarullah
University of Texas Health Science Center at San Antonio, San Antonio, TX, United States

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Solomon Sisay
KNCV Tuberculosis Foundation, Addis Ababa, Ethiopia

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1Tulane National Primate Research Center, Covington, LA, United States, 2Tulane School of Public Health and Tropical Medicine, New Orleans, LA, United States (ACMCIP Abstract)

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1Bernhard Nocht Institute For Tropical Medicine, Hamburg, Germany, 2Centre de Recherches Médicales de Lambaréné, Gabon, 3Center for Diagnostics, Institute of Medical Microbiology, Virology and Hygiene, University Medical Center Hamburg-Eppendorf (UKE), Hamburg, Germany, 4Albert-Schweitzer Hospital, Lambaréné, Hamburg, Germany, 5Centre de Recherches Médicales de Lambaréné, Lambaréné, 6Centre de Recherches Médicales de Lambaréné, Lambaréné, Germany, 7Centre de Recherches Médicales de Lambaréné, Lambaréné, Gabon

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1Centro de Investigação em Saúde da Manhiça, Maputo, Mozambique, 2Barcelona Institute for Global Health, Barcelona, Spain
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Asantewa Sisi Yaa Anang1, Dennis Kushthor2, Christopher Z. Abana3, Evelyn Y. Bonney4
1University of Ghana, Accra, Ghana, 2University of Ghana/ Noguchi Memorial Institute for Medical Research, Accra, Ghana

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1Centre de Recherche en Santé de Nouna/Institut National de Santé Publique, Nouna, Burkina Faso, 2Department of Global Health and Population, T.H. Chan School of Public Health, Harvard University, Massachusetts, MA, United States, 3Department of Global Health and Population, T.H. Chan School of Public Health, Harvard University, Cambridge, Massachusetts, MA, United States

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KNOWLEDGE AND PERCEPTIONS OF PRIMARY HEALTHCARE PROVIDERS TOWARDS INTEGRATION OF ANTIRETROVIRAL THERAPY SERVICES AT DEPARTMENTAL LEVELS AT SELECTED HEALTH FACILITIES LIRA DISTRICT, UGANDA

Steven Sean Puleh1, Emmanuel Asher Ikwara1, Sylviafiah Namutebi1, Lakeri Nakero1, Rogers Isabirye1, Maxson Kenneth Anyolotho1
Lira University, Lira, Uganda

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Beth A. Tippett Barr1, Joyce Were2, Gabriela Toledo3, Sammy Khagayi4, Richard Omore4, Gregory Ouma1, Dickens Onyango3, Victor Akelo1
1Nyanja Health Research Institute, Lusaka, Zambia, 2Kenya Medical Research Institute, Kisumu, Kenya, 3University College London, London, London, United Kingdom, 4Kisumu County Department of Health, Kisumu, Kenya, 5US Centers for Disease Control and Prevention, Kisumu, Kenya

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SOCIAL MOBILIZATION FOR ENHANCED MICROPLANNING IN DEWORMING PROGRAMS

Clare S. Amuyunzu1, Mary Nyamongo2, Alice S. Sinkeet3
African Institute for Health and Development, Nairobi, Kenya

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ENGAGING YOUNG PEOPLE AS AGENTS OF CHANGE: A PRIMARY SCHOOL EDUCATIONAL INTERVENTION TO DECREASE ARBOVIRAL AND PROTOZOA RISK IN GRENADA

Bethel Bayrak1, Nikita Cudjoe2, Prarthik Kalva1, Zakaria Nadeem Doueiri1, Basil Williams1, Makeda Fletcher1, Sarai Telesford2, Arani Thirunavukarasu2, Lashawnd Johnson2, Abani Banchoff1, Abby C. King1
1RTI International, Kampala, Uganda, 2Ministry of Health, Kampala, Uganda, 3RTI International, Washington DC, Washington DC, United States, 4District Local Government, Moroto, Uganda, 5RTI International, Dar Es Salaam, United Republic of Tanzania

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IMPROVING ACCESS TO MOBILITY MANAGEMENT AND DISABILITY PREVENTION (MMMP) MANAGEMENT OF LYMPHATIC FILARIASIS (LF) COMPLICATIONS TOWARDS THE WORLD HEALTH ORGANIZATION 2030 LF ELIMINATION GOAL: A PILOT STUDY CONDUCTED IN LIBERIA 2022 TO CLOSE THE GAPS IN CASE MANAGEMENT NTDS CARE—LYMPHATIC FILARIASIS

N. Peter V. Fiomo1
1Neglected Tropical Diseases Program, Ministry of Health, Monrovia, Liberia

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Toluwase Olufadewa1, Isaac Olufadewa2, Miracle Adesina1, Ruth Oladele1
Slum and Rural Health Initiative, Ibadan, Nigeria

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GEOSPATIAL RISK PREDICTION OF SCHISTOSOMIASIS AND SOIL-TRANSMITTED HELMINTHS FOLLOWING A SCHOOL PREVENTIVE CHEMOTHERAPY PROGRAM IN HUAMBO, UIGE AND ZAIRE PROVINCES, ANGOLA

Adam W. Bartlett1, Elsa P. Mendes1, Marta S. Palmeirim2, Ana Direito3, Sergio Lopes3, Susana Vaz Nery1
1Kirby Institute, University of New South Wales, Sydney, Australia, 2National Directorate of Public Health, Ministry of Health, Luanda, Angola, 3Swiss Tropical and Public Health Institute, Basel, Switzerland, 4The MENTOR Initiative, Huambo, Angola

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Edwin Mayoklu1, Joyce Achan1, Stephen Begumisa1, Rapheal Opor2, Sharone Backers1, Stella Agunyo1, Cyril Bergant-Brucker3, Jeremiah Ngondi4, Brian Allen1, Erica Shoemaker1, Charles Kissar1, Alfred Mubangizi2, Stephen Otim2, Denis Olaka1
1RTI International, Kampala, Uganda, 2Ministry of Health, Kampala, Uganda, 3RTI International, Washington, DC, United States, 4District Local Government, Moroto, Uganda

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George E. Kabona1, Ambasikye K. Mthiche1, Molly Adam1, Alpha Malishe2, Veronica E. Kabona1, Lalji Shabbir3, Julius C. Masanika4, Oswald Will1, Jeremiah Ngondi5
1National Neglected Tropical Diseases Control Program, Dodoma, United Republic of Tanzania, 2RTI International, Dodoma, United Republic of Tanzania, 3RTI International, Washington DC, United States, 4RTI International, Dar Es Salaam, United Republic of Tanzania, 5RTI International, London, United Kingdom, 6RTI International, Cambridge, United Kingdom

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Tekola Endeshaw1, Aderajew Mohammed1, Fanta Nigussie1, Henok Birhanu1, Tesfodros Seid1, Yewodros Wenn2, Firdawweke Bekete1, Fikresiaslam Samuel1, Jemal Mopes2, Yakub Ragui2, Emily Griswold3, Anley Haile1, Zerihun Tadesse1, Jenna E. Coalson1, Frank O. Richards1, Gregory S. Noland2
1The Carter Center, Addis Ababa, Ethiopia, 2The Carter Center, Atlanta, GA, United States
ELIMINATING ONCHOCERCIASIS IN LOIASIS ENDемIC AREAS: ADDED VALuE OF THE SLASH AND CLEAR STRATEGIES
Joelle L. Siakam Tangue1, Phillippe B Nwane1, Hugues C Nana-Djeunga1, Sevolor Kekeounou1, Joseph Kamgno5
1Higher Institute of Scientific and Medical Research (ISM)/2Zoology Laboratory, Department of Animal Biology and Physiology, Faculty of Science, Yaoundé, Cameroon, 4Department of Animal Biology and Physiology, Faculty of Science, Yaoundé, Cameroon, 5Higher Institute of Scientific and Medical Research (ISM)/Department of Public Health, Faculty of Medicine and Biomedical Sciences, Yaoundé, Cameroon

STRENGTHENING OF THE LOCAL HEALTH CAPACITY FOR THE IMPLEMENTATION OF THE FRAMEWORK FOR ELIMINATION OF MOTHER-TO-CHILD TRANSMISSION (EMTCT) OF HIV, SYPHILIS, CHAGAS DISEASE AND HEPATITIS B IN PAMPA DEL INDO, CHACO (ARGENTINA)
Maria Fernández1, Karina Duarte1, Noelia Zalazar1, Silvana Pividi2, Graciela I. Martínez1, Marcelo Wirtz1, Favo Crudó1, Maria Victoria Periago1
1Fundación Mundo Sano, Buenos Aires, Argentina, 2Hospital Dr. Dante Tardelli, Pampa del Indio, Salta, Argentina, 3CONICET/Fundación Mundo Sano, Buenos Aires, Argentina

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Joyce Achan1, Edwin Mayoki1, Stephen Begumisa1, Rapheal Opot1, Charles Kissi1, Sharone Backers1, Stella Aganyo2, Alex Rutagwabeye1, Denis Olaka1, Stephen Otim1, Alfred Mubangizi1, Clara Burgert-Brucker1, Brian Allen1, Erica Shoemaker1, Jeremiah Ngondo1
1RTI International, Kampala, Uganda, 2Ministry of Health, Kampala, Uganda, 3District Local Government, Moroto, Uganda, 4Higher Institute of Scientific and Medical Research (ISM)/Department of Public Health, Faculty of Medicine and Biomedical Sciences, Yaoundé, Cameroon

THE ROLE OF MICROBIOTA AND CO-LOCALIZATION IN THE DISSEMINATION OF VECTOR TRANSMITTED PATHOGENS
Leon Dimitri Melo, Matheus Carneiro, Chukwunonso Nzelu, Nathan Peters
University of Calgary, Calgary, AB, Canada

INFECTION OF MONOCYTES WITH LEISHMANIA INFANTUM CAUSES DIFFERENCES IN EXTRACELLULAR VESICLE MICRNA PROFILES
Cintia L. Hudachek1, bayan Zhanbolat1, Mary Wilson1
University of Iowa, Iowa City, IA, United States

PEOPLE WITH DIFFERENT CLINICAL PRESENTATIONS OF L. DONOVANI INFECTION HAVE DIFFERENT MICRO-RNA PROFILES IN CIRCULATING PLASMA
Ritirupa Roy1, Cintia Hudachek1, Shashi Bhushan Chauhan1, Vimal Verma1, Sundaram Pandey1, Shashi kumar1, Rajiv Kumar1, Mary E. Wilson1, Madhukar Rai2, Shyam Sundar3
1Institute of Medical Sciences, Banaras Hindu University, Varanasi, India, 2University of Iowa and the Iowa City VA Medical Center, Iowa, IA, United States, 3Centre of Experimental Medicine and Surgery, Banaras Hindu University, Varanasi, India

PREVALENCE OF CUTANEOUS LEISHMANIASIS IN ENDEMIC COMMUNITIES OF THE VOLTA REGION, GHANA
Emmanuel Kwame Amoako1, Seth O. Addo1, Michael Amoa-Bosompem2, Faustus Aziegiky1, Thelma N. S Tetteh1, Kwadwo Akyea-Mensah1, Eric Kyei-Baafour4, John A. Larbi1, Mitsuko Ohashi1, Michael D. Wilson5, Ben A. Gyani1
1Noguchi Memorial Institute for Medical Research, Accra, Ghana, 2University of Tennessee, Knoxville, TN, United States, 3Tokyo Medical and Dental University, Tokyo, Japan, 4Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EXPRESSION OF ENDOPLASMIC RETICULUM STRESS RESPONSE MARKERS IN CUTANEOUS LEISHMANIASIS
Nimesha M. Edirisinge1, Nuwani H. Manamperiy1, Harshima Wijesinghe1, Vishni Wanasinghe1, Chamalka De Silva1, Nadira D. Karunaweerana2
1Department of Parasitology, Faculty of Medicine, University of Colombo, Colombo, Sri Lanka, 2Department of Parasitology, Faculty of Medicine, University of Kelaniya, Kelaniya, Sri Lanka, 3Department of Pathology, Faculty of Medicine, University of Colombo, Colombo, Sri Lanka

IMPACT OF DECLINING DISEASE TRANSMISSION ON MAINTENANCE OF IMMUNOLOGICAL MEMORY IN SUBJECTS WITH PAST HISTORY OF VISCERAL LEISHMANIASIS
Rahul Tiwari1, Awnish Kumar1, Vishal Kumar Singh1, Shyam Sundar2, Rajiv Kumar3
1Centre of Experimental Medicine and Surgery, Institute of Medical Sciences, Banaras Hindu University, Varanasi, India, 2Department of Medicine, Institute of Medical Sciences, Banaras Hindu University, Varanasi, India

MULTIMODAL THERAPEUTIC TREATMENT FOR CHRONIC CHAGAS DISEASE
Maria Jose Villar1, Cristina Poveda1, Ana Carolina de Araujo Leao1, Yi-Lin Chen1, Kris Eckols2, Maria Elena Bottazzi1, Peter J. Hotez1, David J. Tweardy2, Kathryn M. Jones3
1The University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, 2The University of Tennessee, Houston, TX, United States, 3MD Anderson Cancer Center, Houston, TX, United States

INTESTINAL MICROBIOTA MEDIATE PROTECTION AGAINST GIARDIA INFECTION INDEPENDENT OF HOST ADAPTIVE IMMUNITY
Renay Ngobeni1, Kenneth Watch1, Jason Arnold1, Jamie Xiao1, Morgan Farmer1, Shan Sun1, Anthony Fodor2, Luther Bartelt3
1University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, 2Baylor College of Medicine, Houston, TX, United States, 3The University of North Carolina at Chapel Hill, Chapel Hill, NC, United States

COMPARISON OF DERMAL AND SYSTEMIC IMMUNE RESPONSES IN PROGRESSIVE STAGES OF CANINE LEISHMANIOsis
Max C. Waugh1, Danielle Pessôa-Pereira1, Christine A. Petersen2
1The University of Iowa, Iowa City, IA, United States

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Carlos Javier Neyra Palacios1, Edith S. Malaga Machaca1, Jose O. Zapata More1, Beth J. Condon1, Maithza M. Calderon1, Cesar Gavidia2, Manuela R. Verástegui3, Robert B. Gillman4
1Universidad Peruana Cayetano Heredia, Lima, Peru, 2University of Panama, Panama, 3Instituto Conmemorativo Gorgas Heredia, Infectious Diseases Laboratory Research-LID, Facul, Peru, 4Universidad Peruana Cayetano Heredia, The Department of International Health, Bloomberg, MD, United States

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PEPTIDE SELECTION VIA PHAGE DISPLAY TO INHIBIT LEISHMANIA-MACROPHAGE INTERACTIONS
Juliane Buzzon Meneghesso Verga
São Paulo State University (UNESP), Araçatuba, Brazil

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IN VITRO INTERACTION OF MACROPHAGE U937 WITH LEISHMANIA (VIANNIA) ISOLATES INFECTED WITH LEISHMANIA VIRUS IN PANAMA, CENTRAL AMERICA
Armando Bonilla1, Vanessa Pineda1, José Eduardo Calzada1, Azael Saldaña1, Marcia Dalastra Laurenti1, Luis Felipe Passero2, Davis Beltran2, Leyda Abrego1, Kadir Amilcar Gonzalez1
1Facultad de Ciencias Naturales, Exactas y Tecnología, Programa de Maestría en Ciencias Parasitológicas, Universidad de Panamá, Panamá, Panamá, 2Instituto Conmemorativo Gorgas de Estudios de la Salud (ICGES), Departamento de Investigación en Parasitología, Panamá, Panamá, 3Instituto Conmemorativo Gorgas de Estudios de la Salud (ICGES), Departamento de Investigación en Parasitología, Facultad de Medicina Veterinaria, Universidad de Panamá, Panamá, Panamá, 4Centro de Investigación y Diagnóstico de Enfermedades Parasitarias (CIDEP), Facultad de Medicina, Universidad de Panamá, Departamento de Microbiología Humana, Facultad de Medicina, Universidad de Panamá, Panama, 5Laboratorio de Patología de Molestias Infecciosas LIM50, Facultad de Medicina, Universidad de San Pablo, Sao Paulo, Brazil, 6Instituto Conmemorativo Gorgas de Estudios de la Salud (ICGES), Departamento de Investigación en Virología, Panamá, Panamá, 7Instituto Conmemorativo Gorgas de Estudios de la Salud (ICGES), Departamento de Investigación en Parasitología, Facultad de Medicina Veterinaria, Universidad de Panamá, Panamá, Panamá, 8Instituto Conmemorativo Gorgas de Estudios de la Salud (ICGES), Departamento de Investigación en Parasitología, Departamento de Microbiología Humana, Facultad de Medicina, Universidad de Panamá, Panamá, Panamá

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DETECTION OF LEISHMANIA VIRUS IN ISOLATES OF LEISHMANIA VIANNIA IN PANAMA, CENTRAL AMERICA
Armando Bonilla1, Vanessa Pineda1, José Calzada1, Azael Saldaña1, Marcia Dalastra Laurenti1, Luis Felipe Passero2, Davis Beltran2, Leyda Abrego1, Kadir González1
1Instituto de Ciencias Naturales, Exactas y Tecnología, Programa de Maestría en Parasitología, Universidad de Panamá, Panamá, 2Laboratorio de Patología de Molestias Infecciosas LIM50, Facultad de Medicina, Universidad de San Pablo, Sao Paulo, Brazil, 3Instituto de Ciencias Naturales, Exactas y Tecnología, Programa de Maestría en Parasitología, Universidad de Panamá, Panamá, 4Instituto de Ciencias Naturales, Exactas y Tecnología, Programa de Maestría en Parasitología, Universidad de Panamá, Panamá, 5Instituto de Ciencias Naturales, Exactas y Tecnología, Programa de Maestría en Parasitología, Universidad de Panamá, Panamá, 6Instituto de Ciencias Naturales, Exactas y Tecnología, Programa de Maestría en Parasitología, Universidad de Panamá, Panamá, 7Instituto de Ciencias Naturales, Exactas y Tecnología, Programa de Maestría en Parasitología, Universidad de Panamá, Panamá, 8Instituto de Ciencias Naturales, Exactas y Tecnología, Programa de Maestría en Parasitología, Universidad de Panamá, Panamá, 9Instituto de Ciencias Naturales, Exactas y Tecnología, Programa de Maestría en Parasitología, Universidad de Panamá, Panamá

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Parasitology Research Department, National Research System, Department of Human Microbiology, Faculty of Medicine, University of Panama, Panama

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CELL-BASED CARDIOMYOPATHY MODELS FOR CHAGAS DISEASE BIOMARKER DISCOVERY
Yu Nakagama1, Masamichi Ito1, Katherine Candra2, Yasutoshi Kido1
1Osaka Metropolitan University, Osaka, Japan, 2The University of Tokyo, Tokyo, Japan, 3National Rosales Hospital, San Salvador, El Salvador

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GENETIC TAXONOMIC ANALYSIS OF CHILOMASTIX GENUS
Chuanhao Jiang1, Siti Arifah Lacante1, Tetsushi Mizuno1, Din Syafuddin2, Masaharu Tokoro1
1Department of Global Infectious Disease, Graduate School of Medical Sciences, Kanazawa University, Kanazawa, Japan, 2Eijkman Inst. for Mol. Biol., Indonesia & Dept. of Parasitol. Fac. Med., Hasanuddin Univ., Indonesia, Makassar, Indonesia

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MOLECULAR STUDY OF THE NUCLEOLAR METHYLTRANSFERASE FIBRILLARIN OF THE HUMAN PATHOGEN LEISHMANIA MAJOR
Tomás Nepomuceno- Mejia, Sagario Aguirre-González, Luis Enrique Florencio-Martínez, Santiago Martínez-Calvillo
Universidad Nacional Autónoma de México, Estado de Mexico, Mexico

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ESTABLISHMENT OF AN IN VITRO CULTURE MODEL OF TOXOPLASMA GONDII BRADYZOITE CYSTS
Fabrizio C. Vasquez1, Edith M. Malaga1, Maritza Calderon1, Juan C. Jimenez1, Manuela Verástegui1, Robert H. Gillman4
1Infectious Diseases Laboratory Research-LID, Faculty of Science and Philosophy, Universidad Peruana Cayetano Heredia, Lima, Peru, 2The Department of International Health, Bloomberg School of Hygiene and Public Health, Johns Hopkins University, Lima, Peru

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DRUG REPURPOSING AND SCREENING OF LIBRARIES OF CHEMICAL COMPOUNDS TO IDENTIFY NEW ANTI-PARASITIC AGENTS
Oluymeni Stephen Adeyemi
Landmark University, Omu-Aran, Nigeria

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DEEP LEARNING APPROACH SUCCESSFULLY IDENTIFIES FDA APPROVED MOLECULES TO PRESENT ANTI-LEISHMANIA EFFECT AT THE PROMASTIGOTE STAGE
Rafael Ovalle1, Yosser Zina Abdelkrim, Ikram Guizani, Emna Harigua-Souiai*
1Laboratory of Molecular Epidemiology and Experimental Pathology - LR16IPT04, Institut Pasteur de Tunis, Université de Tunis El Manar, Tunis, Tunisia

ACMCIP Abstract
IN VITRO ANTITRYPSANOSOMAL, ANTIOXIDANT AND CYTOTOXICITY ACTIVITIES, LC-MS ANALYSIS AND MOLECULAR DOCKING ANALYSIS OF BIOACTIVE COMPOUNDS FROM ANOPYSIS KLAINEANA AGAINST TRYPANOSOMA BRUCET'S UDP-GALACTOSE 4' EPIMERASE (TBGALE)

Abdul Latif Adams, Siobhan Moane, Dorcas Obiri-Yeboah, Michelle Mckean Bennett
1Technical University of Shannon Midlands Midwest, Athlone, Ireland, 2Department of Microbiology and Immunology, School of Medical Sciences, College of Health and Allied Sciences, University of Cape Coast, Cape Coast, Ghana, Cape Coast, Ghana

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HIGH LEVEL OF 'NEVER TREATMENT' IN MASS DRUG ADMINISTRATION AGAINST NEGLECTED TROPICAL DISEASES IN KENYA, NIGERIA, DEMOCRATIC REPUBLIC OF CONGO AND CAMEROON

1Sightsavers, Yaounde, Cameroon, 2Sightsavers, London, United Kingdom, 3Sightsavers, Dakar, Senegal, 4Sightsavers, Kaduna, Nigeria, 5Sightsavers, Nairobi, Kenya, 6Sightsavers, Kinshasa, Democratic Republic of the Congo

OPHTHALMOLOGICAL COMPLICATIONS IN VISCERAL LEISHMANIASIS AND POST KALA-AZAR DERMAL LEISHMANIASIS

Saumia Singh-Phulgendera, Prabin Dahal, Rishikesh Kumar, Abdalla Munir, Caitlin Naylor, Manju Rahi, Eli Harris, Niyamat Ali Siddiqui, Fabiana Alves, Ahmed Musa, Kasia Stepniowska, Shyam Sundar, Philip J. Guerin, Krishna Pandey
1University of Oxford, Oxford, United Kingdom, 2Rajendra Memorial Research Institute of Medical Sciences (RMRIMS), Patna, India, 3Indian Council of Medical Research (ICMR), New Delhi, India, 4Rajendra Memorial Research Institute of Medical Sciences (RMRIMS), Patna, India, 5Drugs for Neglected Diseases initiative, Geneva, Switzerland, 6Institute of Endemic Diseases, University of Khartoum, Khartoum, Sudan, 7Infectious Disease Research Laboratory, Department of Medicine, Institute of Medical Sciences, Banaras Hindu University, Varanasi, India

HOST, PARASITE AND DRUG DETERMINANTS OF TREATMENT OUTCOMES IN VISCERAL LEISHMANIASIS: AN INDIVIDUAL PATIENT DATA META-ANALYSIS USING THE INFECTIOUS DISEASES DATA OBSERVATORY DATA PLATFORM

1University of Oxford, Oxford, United Kingdom, 2Rajendra Memorial Research Institute of Medical Sciences (RMRIMS), Patna, India, 3Indian Council of Medical Research (ICMR), New Delhi, India, 4Rajendra Memorial Research Institute of Medical Sciences (RMRIMS), Patna, India, 5Drugs for Neglected Diseases initiative, Geneva, Switzerland, 6Institute of Endemic Diseases, University of Khartoum, Khartoum, Sudan, 7Infectious Disease Research Laboratory, Department of Medicine, Institute of Medical Sciences, Banaras Hindu University, Varanasi, India

Kinetoplastida and Other Protozoa - Vaccines (Including Leishmania and Trypanosomes)

VACCINE-LINKED CHEMOTHERAPY AS A NOVEL STRATEGY FOR CHAGAS DISEASE

Kathryn M. Jones, Sheraz Pasha, Kris Eckols, Yi-Lin Chen, Cristina Poveda, Ana Carolina de Araujo Leao, Maria Jose J. Villar, Christopher S. Ward, David J. Twardy, Maria Elena Bottazzi, Peter J. Hotez
1Baylor College of Medicine, Houston, TX, United States, 2MD Anderson Cancer Center, Houston, TX, United States

One Health: The Interconnection between People, Animals, Plants and Their Shared Environment

SURVEILLANCE OF ENTERIC VIRUSES AND SARS-COV-2 IN SELECTED LEAFY VEGETABLES AND FARMERS IN THE OFORIKROM DISTRICT, KUMASI, GHANA

Emmanuela Nyarko-Afriyie
Kumasi Centre for Collaborative Research in tropical medicine, Kumasi, Ghana

HOUSING STRUCTURES AND VISCERAL LEISHMANIASIS TRANSMISSION IN BARINGO COUNTY, KENYA

Katherine Obrien, Grace Kennedy, Hellen Nyakundi, Mwatela Kitondo, Wilson Biwott, Valaria Pembe, Richard Wamai
1Northeastern University, Boston, MA, United States, 2African Centre for Community Investment in Health, Chemolingot, Kenya, 3Chemolingot Sub County Hospital, Chemolingot, Kenya

A PREDICTIVE MODEL ACCOUNTING FOR DEFORESTATION ACROSS TEMPORAL AND SPATIAL SCALES IDENTIFYING ANNUAL SHIFTS IN THE ODDS OF EBOLAVIRUS ZOONOTIC SPILLOVER

Carson T. Telford, Justin Lessler, Trevor Shoemaker
1Centers for Disease Control and Prevention, Atlanta, GA, United States, 2University of North Carolina, Chapel Hill, NC, United States

INTEGRATING ECOLOGY AND EPIDEMIOLOGY TO EMPOWER ONE HEALTH: A STUDY OF RIFT VALLEY FEVER

1EcoHealth Alliance, New York, NY, United States, 2University of Pretoria, Onderstepoort, South Africa, 3National Institute for Communicable Diseases, Johannesburg, South Africa, 4Oak Ridge National Laboratory, Oak Ridge, TN, United States, 5National Institute for Communicable Diseases (retired), Johannesburg, South Africa, 6Executive Vet, Bloemfontein, South Africa, 7Onderstepoort Veterinary Research, Agricultural Research Council, Onderstepoort, South Africa, 8South Africa, 9Climate, and Water, Agricultural Research Council, Pretoria, South Africa, 10Economic Analysis Unit, Agricultural Research Council, Pretoria, South Africa

SAROCLADIUM STRICTUM SECONDARY METABOLITES BLOCK P. FALCIPARUM TRANSMISSION TO MOSQUITOES

Changliang An, Jun Li
Biological Science Department, Florida International University, Miami, FL, United States
EVIDENCE AND GAP MAP FOR MULTI-SECTOR AND ONE HEALTH RESEARCH IN ZOONOTIC NEGLECTED TROPICAL DISEASES

Cole Miller, Gabrielle Laing; Katie Greenland
1University of Rochester School of Medicine and Dentistry, Rochester, NY, United States, 2Unlimit Health, London, United Kingdom, 3London School of Hygiene & Tropical Medicine, London, United Kingdom

PREVALENECE, DISTRIBUTION AND DIVERSITY OF BARTONELLA IN SMALL MAMMAL AND BAT COMMUNITIES ACROSS CAMBODIA

Sophie A. Borthwick; Alan T. Hitchc; Dolyce H.W Low; Lena Cheng; Sothya Tum; Sorn San; Dany Chheang; Ian H. Menderhall; Gavin J. Smith
1Duke-NUS Medical School, Singapore, Singapore, 2University of California, Davis, Davis, CA, United States, 3General Directorate of Animal Health and Production, Phnom Penh, Cambodia, 4Forestry Administration, Phnom Penh, Cambodia, 5Duke-NUS Medical School, Maryland, MD, United States

EPIDEMIOLOGY OF ANIMAL BITES AND POST-EXPOSURE PROPHYLAXIS (PEP) OF RABIES IN RUPANDEHI, NEPAL

Susma Roshmi Magar, Sirjan Bastola
Institute of Agriculture and Animal Science (IAAS), Paklihawa Campus, Bhairahawa, Nepal

DETECTION AND MOLECULAR CHARACTERIZATION OF MULTIRESISTANT ENTEROBACTERIACEAE CARRIED BY HOUSEFLEYS IN THE CITY OF BOBO-DIOULASSO, BURKINA FASO

Soufiane Do M. Sanou; Serge R. Yerbang; Tinlé Bangre; Séverin N’dó; Jean Bosco Ouedi-Soogo
1Centre MURAZ, Bobo dioulasso, Burkina Faso, 2INSTech, Bobo dioulasso, Burkina Faso, 3GSS, Bobo dioulasso, Burkina Faso

HIGH PREVALENCE OF TETRACYCLINE RESISTANT ESCHERICHIA COLI ISOLATES IN AMERICAN CROCODILE CROCODYLUS ACUTUS LIKE BIOINDICATOR IN CAÑAS GUANACASTE COSTA RICA

Verónica Arias Pérez; Elias Barquero Calvo; Ivan Sandoval Hernandez; Rafael Mateus Vargas
1Universidad Nacional, Heredia, Costa Rica, 2University of Göttingen, Göttingen, Germany

WHOLE GENOME SEQUENCING TO ELUCIDATE THE ZOONOTIC TRANSMISSION OF STRONGYLOIDES STERCORALIS AND ANCYLOSTOMA CEYLANICUM BETWEEN DOGS AND SCHOOL AGED CHILDREN LIVING IN THE SAME COMMUNITIES

Patsy A. Zendejas Heredia; Shannon M. Hedtk; Virak Khieu; Martin Walker; Warwick N. Grant; Rebecca J. Traub; Vito Coletta
1The University of Melbourne, Melbourne, Australia, 2La Trobe University, Melbourne, Australia, 3Ministry of Health, Phnom Penh, Cambodia, 4Royal Veterinary College, London, United Kingdom

DETECTION OF BRUCELLA IN HUMANS AT TEKNAF, COX'S BAZAR IN BANGLADESH

Ireen Sultana Shanta, Mohammed Rahman, Mohammad Hossain, Tareq Rakib, Ziaul Islam, Munirul Islam, Sayera Banu, Firdausi Qadri, Tahmeed Ahmed
icddr,b, Dhaka, Bangladesh
HEPATITIS B AND INFLUENZA VACCINE COVERAGE AMONG HEALTHCARE WORKERS IN SELECTED HEALTH FACILITIES IN BANGLADESH
Ahamed Khairein Bashir, Sazzad Hossain Khan, Md Abdullah Al Jubayer Biswas, Mahmudur Rahman, Fahmida Chowdhury, Md Zakul Hassan
International Center for Diarrheal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh, Global Health Development, EMPHNET, 69 Mohakhali, Dhaka 1212, Bangladesh, Dhaka, Bangladesh, Nuffield Department of Medicine, University of Oxford, Oxford, United Kingdom

ASSOCIATION OF ALTERED BASELINE HEMATOLOGICAL PARAMETERS WITH ADVERSE TUBERCULOSIS TREATMENT OUTCOMES
Arul Nancy Pandiarajan
National Institute for Research in Tuberculosis - International Center for Excellence in Research, Chennai, India

SARS-COV-2OMICRON VARIANT DETECTION WITH BINAXNOW, PANBIO, AND ID NOW RAPID TESTS
Mark Charles Anderson, Austin Hodges, Ana Olivo, Vera Holzmaden, Yitz Goldstein, Julie Hirschhorn, Dariusz Pytel, Matthew Farooq, Luis Gonzalez, Stephen Kovacs, Rich Roth, Mary Rodgers, Gavin Cloyd
Abbott Diagnostics Division, Abbott Park, IL, United States, Abbott Diagnostics Division, Abbott Park, IL, United States, Abbott Diagnostics Division, Abbott Park, IL, United States, Abbott Diagnostics Division, Abbott Park, IL, United States, Abbott Diagnostics Division, Abbott Park, IL, United States

ANALYTICAL PERFORMANCE OF 17 COMMERCIALY AVAILABLE POINT-OF-CARE TESTS FOR CRP TO SUPPORT PATIENT MANAGEMENT AT LOWER LEVELS OF THE HEALTH SYSTEM
Serafina Calarco, B. Leticia Fernandez-Carballo, Thomas Keller, Stephan Weber, Meike Jakobi, Patrick Marsall, Nicole Schneiderhan-Marr, Sabine Dittrich
Foundation for innovative New Diagnostic (FIN Diagnostics), geneva, Switzerland, ACOMED statistik, Leipzig, Germany, Natural and Medical Sciences Institute at the University of Tübingen (NMI), Reutlingen, Germany, Natural and Medical Sciences Institute at the University of Tübingen (NMI), Reutlingen, Germany

EVALUATION OF TUBERCULOSIS TREATMENT OUTCOME AND THEIR PREDICTORS IN PUBLIC AND PRIVATE HEALTH INSTITUTIONS, SOUTHEAST, NIGERIA; AN IMPHICATION FOR POLICY IMPLEMENTATION, CLIENT CENTERED EDUCATION AND TREATMENT FOLLOW-UP
Nelson C. Eze
Federal Ministry of Health, Abuja, Nigeria

ISONIAZID MONORESISTANT TUBERCULOSIS (HR-TB) IN ODISHA, INDIA, DURING 2019
Sidhartha Giri, Sujit Kumar, Sunnil Swick Rout, Sarita Kar, Sanghamitra Pati
ICMR Regional Medical Research Centre Bhubaneswar, Bhubaneswar, India

INFLUENZA, RSV, AND SARS-COV2 SURVEILLANCE IN MACHA, ZAMBIA IN 2022
Mutinta Hamahuwa, Pamela Sinysimaanwa, Mathias Muleka, Passwell Munachoonga, Helien Matakala, Stephanie M. Kenyoni, Katherine Z.J. Thuma, Edgar Simulundu, Catherine G. Sultulifer
Macha Research Trust (MRT), Choma, Zambia, Department of International Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, Department of Emergency Medicine, Johns Hopkins University School of Medicine, Baltimore, MD, United States, Department of Molecular Microbiology and Immunology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, Virology Laboratory, University Teaching Hospital, Lusaka, Zambia, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States

IMPORTANCE OF SEROLOGY DIAGNOSTICS FOR CHRONIC PULMONARY ASPERGILLOSIS IN POSSIBLE TUBERCULOSIS PATIENTS IN COTE D’IVOIRE
David Koffi, Borel Thierry Ndri-Kouadio, Francis Kouadio, Andre Offianan Toure, Mireille Dosso, David W. Denning
Pasteur Institute of Cote D’Ivoire, Abidjan, Cote D’Ivoire, Université of Manchester, Manchester, United Kingdom

SEX DIFFERENCES IN PLASMA CYTOKINE PROFILES BETWEEN TUBERCULOSIS PATIENTS BEFORE AND DURING TREATMENT
Elizabeth Ntapara, Lwitiho Sudi, Issa Sabi, Juliet Lalaashowi, Jacklinia Mhidze, Nyanda Ntinginya, Michael Hoelscher, Abhishek Bakuli, Andrea Rachow, Christof Geldmacher, Mekunde Chachage
National Institute for Medical Research-Mbeya Tanzania, Mbeya, United Republic of Tanzania, German Center for Infection Research, Partner Site Munich and Division of Infectious Diseases and Tropical Medicine, Klinikum of the University of Munich, Munich, Germany, National Institute for Medical Research-Mbeya Tanzania, Division of Infectious Diseases and Tropical Medicine, Klinikum of the University of Munich and University of Dar es Salaam, Mbeya College of Health and Allied Sciences (UDSM MCHAS), Mbeya, United Republic of Tanzania

BURDEN OF TUBERCULOSIS AMONG CHILDREN UNDER FIVE HOSPITALIZED IN THE RESPIRATORY UNIT OF THE LARGEST DIARRHEAL DISEASE HOSPITAL IN BANGLADESH: A PROSPECTIVE CROSS-SECTIONAL STUDY
Tahmina Alam, Mohammad Jobayer Chisti, Lubaba Shahrin, Monira Sharmin, Abu Sadat Mohammad Sayeen, Tahmeed Ahmed
International centre for diarrheal disease and research, Bangladesh, Dhaka, Bangladesh

HYPOXAMIA PREVALENCE, MANAGEMENT AND OUTCOME AMONG CHILDREN PRESENTING TO LOW-LEVEL HEALTH FACILITIES IN TANZANIA AND RWANDA
Centre for primary care and public health (Unisante), Lausanne, Switzerland, Swiss Tropical and Public Health Institute, Allschwil, Switzerland, National Institute of Medical Research – Mbeya Medical Research Centre, Mbeya, United Republic of Tanzania, Swiss Tropical and Public Health Institute, Kigali, Rwanda, Ifakara Health Institute, Dar es Salaam, United Republic of Tanzania
Schistosomiasis and Other Trematodes – Epidemiology and Control

### 6381

**FACTORS CONTRIBUTING TO DISPARITIES IN RESPIRATORY CARE AT ADAMA HOSPITAL MEDICAL COLLEGE, ETHIOPIA**

Bethlehem Atoma, Davi Gimara, William M. LeTourneau Jr, Bickey Chang, Sultan B. H. Geleter, Derek Atoma, Shephali Gandhi, Dejene Dilabari, Endashaw Debela, Wajahat Khalil, Sarah Kessler, Anteneh Zewde, Anne C. Melzer* 1University of Minnesota, Minneapolis, MN, United States, 2Adama Hospital Medical College, Adama, Ethiopia, 3 Mayo Clinic, Rochester, MN, United States, 4Children’s Minnesota, Minneapolis, MN, United States, 5University of California San Francisco, San Francisco, CA, United States, 6Minneapolis VA Health Care System, Minneapolis, MN, United States

### 6382

**THE EFFECT OF SOAP USE CONDITIONS ON SCHISTOSOME CERCAE IN WATER**

Jiadi Zhang, Ana K. Pitlo, Laura Braun, Michael R. Templeton* 1Imperial College London, London, United Kingdom, 2Liverpool School of Tropical Medicine, Liverpool, United Kingdom, 3London School of Hygiene & Tropical Medicine, London, United Kingdom

### 6383

**COST-EFFICIENT SURVEY DESIGNS FOR MONITORING AND EVALUATION OF SOIL-TRANSMITTED HELMINTHS CONTROL PROGRAMS**

Adama Kazienga, Bruno Levecke, Sake J de Vlas, Luc E. Colleng* 1Ghent University, Gent, Belgium, 2Erasmus MC, University Medical Center, Rotterdam, Netherlands

### 6384

**ASSOCIATION OF FEMALE UROGENITAL SCHISTOSOMIASIS WITH HIGH-RISK HUMAN PAPILLOMAVIRUS AMONG WOMEN IN ZAMBIA: BASELINE RESULTS OF A LONGITUDINAL COHORT STUDY (THE ZIPIME WEKA SCHISTA STUDY)**

Olimpia Lamberti, Helen Kelly, Rhoda Ndubani, Nkatya Kasese, Emily Webb, Beatrice Nyondo, Barry Kosloff, Jennifer Fitzpatrick, Bonnie Webster, Maina Cheebra, Helen Ayles, Kwame Shanaba, Amaya Bustinay* 1Department of Clinical Research, London School of Hygiene & Tropical Medicine, London, United Kingdom, 2Zambart, Lusaka, Zambia, 3Department of Infectious Disease Epidemiology, London School of Hygiene & Tropical Medicine, London, United Kingdom, 4Natural History Museum, London, United Kingdom

### 6385

**INVESTIGATING THE GENETIC DIVERSITY OF THE SCHISTOSOMA MANSONI TRANSIENT RECEPTOR POTENTIAL MELASTATIN (SMTRPM) CHANNEL IN RESPONSE TO PRAZIQUANTEL TREATMENT IN NATURAL UGANDAN S. MANSONI POPULATIONS**

Shannan Summers, Fiona Allan, Tapan Bhattacharyya, Michael Miles, Bonnie Webster, Amaya Bustinay* 1London School of Hygiene & Tropical Medicine, London, United Kingdom, 2Natural History Museum, London, United Kingdom

### 6386

**LIVESTOCK CATTLE AS PREDICTOR OF TRANSMISSION OF SCHISTOSOMIASIS IN NIGERIA**

Oyetunde Timothy Oyeyemi, Oluwemi Adewole Onukola* University of Medical Sciences, Ondo, Nigeria

Schistosomiasis and Other Trematodes – Immunology, Pathology, Cellular and Molecular Biology

### 6387

**HUMAN SCHISTOSOMIASIS RISK AND SNAIL ABUNDANCE HAVE A UNIMODAL RELATIONSHIP IN THE NATURAL ENVIRONMENT**

Sidy Balhoubou, Christopher J. E. Haggerty, Cheikh Tidiane Bara, Jason R. Rohr* 1Department of Animal Biology, University Cheikh Anta Diop, Dakar, Senegal, 2University of South Florida, Florida, FL, United States, 3Department of Animal Biology, University Cheikh Anta Diop, Dakar, Senegal, 4Department of Biological Sciences, Eck Institute of Global Health, Environmental Change Initiative, University of Notre Dame, Indiana, IN, United States

### 6388

**RISK FACTORS AND PREVALENCE OF SCHISTOSOMIASIS AND INTESTINAL PARASITES INFECTIONS IN VILLAGES IMPACTED BY AGRICULTURAL ACTIVITIES IN THE NORTH AND SOUTH OF GABON**

Ndong NJ Mari  Faculty of Medicine, Department of Parasitology, Owendo, Gabon

### 6389

**COMBINING GENOMICS DATA WITH SOCIAL AND ENVIRONMENTAL CONNECTIVITY MEASURES TO IDENTIFY PATHWAYS OF SCHISTOSOMA JAPONICUM IMPORT IN RURAL CHINA**

Elise Grover, Katerina Kehris, Zachary Nikolakis, Yannick Francioli, Hannah Guss, Hamish Pike, Todd Castoe, David Pollock, Yang Liu, Elizabeth Carlton* 1University of Colorado School of Public Health, Aurora, CO, United States, 2University of Texas at Arlington, Arlington, TX, United States, 3University of Colorado Anschutz, Aurora, CO, United States, 4Sichuan Center for Disease Control and Prevention, Chengdu, China

### 6390

**Schistosomiasis and Other Trematodes – Immunology, Pathology, Cellular and Molecular Biology**

### 6391

**PROTEOMICS OF ADULT PARAGONIMUS KELLIOTTI EXTRACELLULAR VESICLES RELEASED IN VITRO OR PRESENT IN LUNG CYSTS**


### 6392

**EFFECT OF INTENSIVE TREATMENT FOR SCHISTOSOMIASIS ON VACCINE SPECIFIC RESPONSES AMONG UGANDAN ISLAND ADOLESCENTS: THE POPVAC A TRIAL**

Gyavira Nikununga, Ludoviko Ziriminya, Jacent Nassuuna, Agnes Natukunda, Emily L. Webb, Allison M. Elliott* 1MRC/UVRI & LSHTM Uganda Research Unit, Entebbe, Uganda, 2London School of Hygiene & Tropical Medicine, London, United Kingdom

### 6393

**TRANSFORMING GROWTH BETA LEVELS IN INDIVIDUAL WITH SCHISTOSOMIASIS IN FEDERAL CAPITAL TERRITORY, NIGERIA**

Wellington A. Oyibo, Olubumini Tosin Okurame, Uche Thecla Igbas* 1Centre for Transdisciplinary Research in Malaria and Neglected Tropical Diseases, College of Medicine of the University of Lagos, Lagos, Nigeria, 2Centre for Infectious Diseases Research, Microbiology Department, Nigeria Institute of Medical Research, 6 Edmond Crescent, Yaba- Lagos, Nigeria, Lagos, Nigeria
Water, Sanitation, Hygiene and Environmental Health

6394

MEASURING WATER QUANTITY USED FOR PERSONAL AND DOMESTIC HYGIENE IN A LOW-INCOME URBAN COMMUNITY IN BANGLADESH

Rebeca Sultana1, Nazmun Nahar1, Stephen P. Luby2, Sayeda Tasnuva Swarna3, Emily S. Gurley4, Charlotte Crim Tamason3, Shifat Khan5, Nadia Ali Rimi6, Humayun Kabir7, Md. Khaled Saifullah8, Sushil Ranjan Howlader9, Peter Kjar Mackie Jensen10
1icddr,b, Dhaka, Bangladesh, 2Department of Gastroenterology, Hepatology and Infectious Diseases, University Hospital Düsseldorf, Medical Faculty of Heinrich Heine University Düsseldorf, Düsseldorf, Germany, 3Infectious Diseases and Geographic Medicine, Stanford University, Stanford, CA, United States, 4Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States, 5Copenhagen Center for Disaster Research, Global Health Section, Department of Public Health, University of Copenhagen, Copenhagen, Denmark, 6Institute of Health Economics, University of Dhaka, Dhaka, Bangladesh

6395

SUPPORTIVE SUPERVISION IS ASSOCIATED WITH AVAILABILITY OF WORLD HEALTH ORGANIZATION INFECTION PREVENTION AND CONTROL CORE COMPONENTS IN HEALTH FACILITIES IN SOUTHWESTERN UGANDA

Cozie Gwaikolo1, Bongomin Bodo1, Doreen Nabawanuka2, Michael Mukibi3, Emmanuel Seremba4, Paul Muyinda5, Andrew Bakainaga6, Yonas T. Woldenmariam7, Christopher C. Moore8, Richard Ssekitoloko9
1University of California San Francisco, San Francisco, CA, United States, 2World Health Organization, Kampala, Uganda, 3College of Health Sciences, Makerere University, Kampala, Uganda, 4Division of Infectious Diseases and International Health, university of virginia, Charlottesville, VA, United States, 5World Health Organization, Kampala, Uganda

6396

A SEMI-AUTOMATED SCOPING REVIEW OF MICROPARTICLE CONTAMINATION IN FOOD AND WATER BANGLADESH PERSPECTIVE

Tanja Jahn1, Jaynal Abedin2, Farha Sharmeen3, John Newell4
1College of Medicine, Nursing, and Health Sciences, University of Galway, Galway, Ireland, 2Center for Data Research and Analytics (CfDRA), Galway, Ireland, 3Spreeda Bangladesh Foundation, Dhaka, Bangladesh, 4School of Mathematical and Statistical Sciences, Galway, Ireland

6397

TOILET FUNCTIONALITY AND CLEANLINESS STATUS IN HEALTHCARE FACILITIES (HCF) IN DHAKA, BANGLADESH

Nuhu Amin, Juliet Willetts, Tim Foster
University of Technology Sydney, Sydney, Australia

6398

ASSESSING FECAL CONTAMINATION IN SOILS OF INFORMAL SETTLEMENTS: A COMPARATIVE STUDY OF TRADITIONAL SOIL TESTING AND INNOVATIVE BOOTSFOOT TECHNIQUE

Lamiya Nerose Bata, Rebekah M. Henry, David T. McCarthy
Monash University, Clayton, Australia

6399

PREVALENCE OF PATHOGENIC MDR ESCHERICHIA COLI IN FAecal SLUDGE TREATMENT PLANTS AND ADJACENT HOUSEHOLD DRINKING WATER OF ROHINGYA CAMPS, BANGLADESH

Zahid Hayat Mahmud1, Mohammed Tanveer Hussain2, Mohammad Atique Ul Alam3, Amanta Rahmany4, Ashira Haque5, Faisal Chowdhury Gailib6, Md. Hajibur Rahman7, Md. Rafiqul Islam8, Mahbobul H. Siddique9, Md. Shafiqul Islam10
1International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh, 2BRAC University, Dhaka, Bangladesh

6400

ASSESSING THE IMPLEMENTATION OF WASH INTERVENTIONS IN A COASTAL DISTRICT WITH HIGH DIARRHEA BURDEN, GHANA, 2022

Delia Akosua Benewah Bandoh1, Ernest Kenu1, Edwin Andrew Afari1, Kwadwo Duah Dwomoh2, Dzidzo Yirenya-Tawiah3, Awulli Dzodzomenyo4
1University of Ghana School of Public Health, Accra, Ghana, 2Institute of Environmental Studies, University of Ghana, Accra, Ghana

6401

DETECTION OF SARS-COV-2 AND ENTERIC PATHOGENS IN MEGACITY DHAKA WASTEWATER; FINDINGS FROM AN ENVIRONMENTAL SURVEILLANCE PLATFORM

1Environmental Interventions Unit, Infectious Diseases Division, International Center for Diarrheal Disease Research, Bangladesh (icddr,b), Dhaka1212, Bangladesh, 2One Health Laboratory, Infectious Diseases Division, International Centre for Diarrhoeal Disease Research, Bangladesh (icddrb), Dhaka1212, Bangladesh, 3School of Public Health, University of Queensland, Brisbane, Australia, 4The Center for Global Safe Water, Sanitation, and Hygiene at Emory University, Atlanta, GA, United States, 5Institute of Epidemiology, Disease Control, and Research (IEDCR), Dhaka1212, Bangladesh, 6Communicable Disease Control (CDC) Program, Directorate General of Health Services (DGHS), Dhaka1212, Bangladesh, 7Dhaka Water Supply and Sewerage Authority (DWASA), Dhaka1215, Bangladesh, 8The Rockefeller Foundation, New York, NY, United States

6402

FINDINGS OF ENVIRONMENTAL SURVEILLANCE FOR SARS-COV-2 AND ENTERIC PATHOGENS TRIGGER FUTURE PATH: LEARNING FROM A MEGACITY AND HUMANITARIAN SETTINGS IN BANGLADESH

1Environmental Interventions Unit, Infectious Diseases Division, International Centre for Diarrheal Disease Research, Bangladesh (icddr,b), Dhaka1212, Bangladesh, 2Institute of Epidemiology, Disease Control, and Research (IEDCR), Dhaka1212, Bangladesh, 3School of Public Health, University of Queensland, Brisbane, Australia, 4One Health Laboratory, Infectious Diseases Division, International Centre for Diarrhoeal Disease Research, Bangladesh (icddrb), Dhaka1212, Bangladesh, 5Communicable Disease Control (CDC) Program, Directorate General of Health Services (DGHS), Dhaka1212, Bangladesh, 6Communicable Disease Control (CDC) Program, Directorate General of Health Services (DGHS), Dhaka1212, Bangladesh, 7Dhaka Water Supply and Sewerage Authority (DWASA), Dhaka1215, Bangladesh, 8The Rockefeller Foundation, New York, NY, United States
HOUSEHOLD COPING STRATEGIES DUE TO WATER INTERMITTENCY: A MIXED-METHODS STUDY IN NORTHEASTERN ECUADOR

Andrea Sosa-Moreno, Gwenneth O. Lee, Karen Levy, Josefina Coloma, Joseph N.S. Eisenberg
1University of Michigan, Ann Arbor, MI, United States, 2Rutgers Global Health Institute, New Brunswick, NJ, United States, 3University of Washington, Seattle, WA, United States, 4University of California-Berkeley, Berkeley, CA, United States

CTropMed Exam Committee Meeting

Wright, Third Floor, West Tower
Friday, October 20, 12:15 p.m. - 1:30 p.m. U.S. Central Time Zone

Late-Breaker Abstract Session 74

Late-Breakers in Clinical and Applied Sciences

Grand Hall J - Ballroom Level (East Tower)
Friday, October 20, 12:15 p.m. - 1:30 p.m. U.S. Central Time Zone

This session does not carry CME credit.

This session is specifically designed for brief presentations of new data obtained after the closing date for abstract submission. See the Meeting App or Late-Breaker Abstract Presentation Schedule booklet (available online) for the presentation schedule.

CHAIR
Miguel Cabada
University of Texas Medical Branch, Galveston, TX, United States
Sharon Tennant
University of Maryland School of Medicine, Baltimore, MD, United States

Late-Breaker Abstract Session 75

Late-Breakers in Malaria

Grand Ballroom CDEF - Ballroom Level (East Tower)
Friday, October 20, 12:15 p.m. - 1:30 p.m. U.S. Central Time Zone

This session is specifically designed for brief presentations of new data obtained after the closing date for abstract submission. See the Meeting App or Late-Breaker Abstract Presentation Schedule booklet (available online) for the presentation schedule.

CHAIR
Giselle Lima-Cooper
Indiana University, Indianapolis, IN, United States
Mahamadou Diaikite
MRTC-USTTB, Bamako, Mali

Symposium 76

ASTMH Committee on Global Health (ACGH)
Symposium I: Effectively Communicating Sensitive Issues in Global Health: Lessons from the Field

Grand Ballroom A - Ballroom Level (East Tower)
Friday, October 20, 1:45 p.m. - 3:30 p.m. U.S. Central Time Zone

Over the past few years, communication has become an integral part of successful global health campaigns. Political perspectives have become key parts of the discussion around sensitive global health topics such as climate change and vaccine mandates, to the point that traditional methods of presenting and using results, evidence to guide public health decision making are no longer sufficient. Communicating key public health messages to the general public requires different skill sets than presenting to scientific audiences, and recent events like the COVID-19 pandemic have shown that these are skills many professionals in global health are lacking. In this symposium we will discuss methods for effectively communicating results and evidence to the public, governments, and health-care professionals by highlighting three topics that can be considered sensitive: pandemic preparedness, gene-drive technology, climate change; as well as discussions around best practices for communicating general global health themes.

CHAIR
James Colborn
Clinton Health Access Initiative, Evergreen, CO, United States
Yazoume Ye
ICF International, Calverton, MD, United States

1:45 p.m.
INTRODUCTION

1:55 p.m.
COMMUNICATING THE SCIENCE OF PANDEMIC PREPAREDNESS
Catherine Kyobutungi
APHRC, Nairobi, Kenya

2 p.m.
REGULATING THE DEVELOPMENT AND TESTING OF GENETICALLY MODIFIED MOSQUITOES FOR MALARIA CONTROL AND ELIMINATION IN AFRICA
Richard Mukabana
African Institute for Development Policy, Nairobi, Kenya

2:05 p.m.
SCIENCE COMMUNICATION AND ENGAGEMENT TO EFFECTIVELY TRANSLATE THE INTERSECTION BETWEEN CLIMATE CHANGE AND TROPICAL MEDICINE
Maria Elena Bottazzi
Baylor College of Medicine, Houston, TX, United States

2:10 p.m.
LESSONS IN COMMUNICATING PUBLIC HEALTH FROM A CAREER WORKING IN THE MINISTRY OF HEALTH
Devanand Moonasar
WHO, Johannesburg, South Africa

Poster Session B Viewing

Riverside Center - Exhibit Level (East Tower) and Grand Hall GHI - Ballroom Level (East Tower)
Friday, October 20, 1:45 p.m. - 4 p.m. United States Central Time Zone
2:15 p.m.
ACGH ANNUAL BUSINESS MEETING
James Colborn
Clinton Health Access Initiative, Inc., Evergreen, CO, United States

2:45 p.m.
NETWORKING RECEPTION

Symposium 77
American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP) Symposium I:
Molecular Mechanisms of Transitions Between Acute and Chronic Parasitic Infections

Grand Ballroom B - Ballroom Level (East Tower)
Friday, October 20, 1:45 p.m. - 3:30 p.m. U.S. Central Time Zone

This session does not carry CME credit.

Many parasites of human and veterinary importance cycle between acute and chronic stages. Acute stages typically involve rapid growth and parasite expansion after the initial infection with the parasite. This stage can either be mild and asymptomatic or can cause morbidity and mortality of the host. During the acute stages, the immune system is triggered and mounts an effective immune response limiting the number of parasites. The initial type of immune response can determine if an infection is cleared or becomes chronic, or if there is potential tissue damage to the host.

The chronic stages enable parasites to persist within their host. Often, parasites can evade the host’s defenses by modulating the host immune system or forming dormant stages such as cysts. While parasites are in the acute stages, they are difficult to treat with drugs as most metabolic pathways are inactive and cyst walls are thick and cannot easily be penetrated by a compound. Chronic infections can be asymptomatic (Toxoplasma, Plasmodium) or highly lethal if untreated (visceral Leishmaniasis). Patients with immune suppression either due to another infection such as HIV or through the administration of drug therapy for organ transplants or leukemia, are more likely to have reactivation of the chronic disease to the acute phase.

This symposium will address the biological factors that are determining the differentiation from one stage to another in a diverse set of parasites. We will first hear about work being done to fill gaps in the life cycle of Trichomonas vaginalis, with a particular focus on the cyst stage. This important work sheds light on a previously unknown chronic stage of the T. vaginalis parasite that has only recently been identified. And while we have known for some time that Toxoplasma gondii has a chronic phase, the signals that promote the differentiation into chronic stages have not been well understood. Here, we will learn about chronicity in the parasite T. gondii, and how a positive feedback loop controls the differentiation of these parasites into chronic stages. Shifting away from the parasite biology toward the host response, we will next delve into the host-side with a talk on immunoregulation and tissue homeostasis in the context of both acute and chronic Chagas disease (infection with Trypanosoma cruzi). Finally, we will end with a discussion of what can be done about these chronic stages from a treatment perspective, as we hear a talk about dormancy in Plasmodium vivax, and strategies that can be used to successfully eliminate these dormant stages from the body.

CHAIR
Regina Cordy
Wake Forest University, Winston Salem, NC, United States
Sebastian Lourido
Massachusetts Institute of Technology Whitehead Institute for Biomedical Research, Cambridge, MA, United States

1:45 p.m.
INTRODUCTION

1:55 p.m.
FILLING THE GAPS IN THE LIFE CYCLE OF TRICHOMONAS VAGINALIS: CHARACTERIZATION OF CYSTS
Utpal Tatu
Indian Institute of Science, Bangalore, India

2:15 p.m.
A POSITIVE FEEDBACK LOOP CONTROLS TOXOPLASMA CHRONIC DIFFERENTIATION
Sebastian Lourido
Massachusetts Institute of Technology Whitehead Institute for Biomedical Research, Cambridge, MA, United States

2:35 p.m.
IMMUNOREGULATION OF CELLULAR IMMUNITY AND TISSUE HOMEOSTASIS DURING ACUTE AND CHRONIC CHAGAS DISEASE
Eva Virginia Acosta Rodriguez
National University of Cordoba, Argentina, Cordoba, Argentina

2:55 p.m.
PLASMODIUM DORMANCY: KILLING MECHANISMS AND DRUGGABLE TARGETS
Erika Flannery
Novartis Institutes for BioMedical Research, Emeryville, CA, United States

3:15 p.m.
NETWORKING RECEPTION

Symposium 78
Community Engagement and Involvement in Control and Prevention of Cutaneous Leishmaniasis: The ECLIPSE Experience

Grand Hall J - Ballroom Level (East Tower)
Friday, October 20, 1:45 p.m. - 3:30 p.m. U.S. Central Time Zone

The control and prevention of neglected tropical diseases (NTDs) have conventionally focused on the utilization of biomedical interventions. However, with the growing emphasis on equity in healthcare and the adoption of a decolonized perspective in global health, community engagement and involvement (CEI) has emerged as a crucial component in global health research. Despite the widespread recognition of the importance of CEI, its
actual implementation within healthcare programs and research projects is often hindered by a lack of understanding and expertise. The ECLIPSE program is a five-year global health initiative aimed at improving the patient journey for those affected by cutaneous leishmaniasis (CL) and reducing stigma in underserved communities in Brazil, Ethiopia, and Sri Lanka. The program is a multidisciplinary collaboration involving over 60 researchers, including anthropologists, parasitologists, clinicians, psychologists, disease specialists, and public health researchers, and brings together expertise in leishmaniasis and social sciences from an international, cross-cultural perspective. The ECLIPSE team employs a combination of qualitative and quantitative methods, informed by ethnographic and anthropological theories, to gain a comprehensive understanding of the experiences, views, and perspectives of affected individuals, their communities, and healthcare professionals. These insights are now informing bespoke interventions, including the development of community education campaigns to increase disease awareness and reduce stigma, as well as training packages for healthcare professionals. The ECLIPSE research process, including design, implementation, and evaluation, is co-developed in each country using a unique CEI approach. Comparison of approaches adopted in three different countries shows that while a common model could be feasible to initiate CEI work, context-specific ongoing iterative adaptations are required during the whole project life cycle to enable the impact of the interventions to be sustainable. While traditional research methodologies such as clinical trials may provide the best evidence for biomedical interventions, broader public health interventions that aim to effect context-specific behavior change always necessitate ongoing adaptation of both the research process and interventions in line with broader societal and political changes in countries and communities. The lessons learned from the ECLIPSE program on the successful adaptation of novel methodologies based on the CEI approach, during the COVID-19 pandemic in three different country-specific crisis situations, will provide valuable insights into the utilization of CEI in global health research.

**2:15 p.m.**

**THE ECLIPSE CEI APPROACH IN BRAZIL: EMPOWERING COMMUNITIES DURING A PANDEMIC**

Paulo R. Machado

Federal University of Bahia, Salvador, Brazil

**2:35 p.m.**

**THE ECLIPSE CEI APPROACH IN TIGRAY, ETHIOPIA DURING CONFLICT**

Shewaye Belay Tessema

Mekelle University, Mekelle, Ethiopia

**2:55 p.m.**

**THE ECLIPSE CEI APPROACH IN SRI LANKA: COMBINING ARTS AND HEALTH TO RAISE AWARENESS OF CUTANEOUS LEISHMANIASIS**

Suneth Agampodi

Rajarata University of Sri Lanka, Saliyapura, Sri Lanka

**Scientific Session 79**

**Viruses - Epidemiology and Transmission Biology**

**Grand Ballroom CDEF - Ballroom Level (East Tower)**

**Friday, October 20, 1:45 p.m. - 3:30 p.m. U.S. Central Time Zone**

**CHAIR**

Matthew Aliota

University of Minnesota, St. Paul, MN, United States

Rachel Fay

State University of New York Albany, Albany, NY, United States

**1:45 p.m.**

**DENGUE SEROEPIDEMIOLOGY RELATED TO DEFORESTATION RATES IN RURAL VILLAGES OF THE PERUVIAN AMAZON COMMUNITIES**

Edson J. Ascencio1, Luca Nelli1, Isabel Byrne2, Monica Hill3, Elin Dumont3, Lynn Gringnand1, Kevin Tetteh1, Lindsey Wu1, Alejandro Llanos-Cuentas3, Chris Drakeley3, Gillian Stresman1, Gabriel Carrasco-Escobar4

1. Institute of Tropical Medicine 'Alexander von Humboldt', Universidad Peruana Cayetano Heredia, Lima, Peru
2. London School of Hygiene & Tropical Medicine, London, United Kingdom
3. Institute of Tropical Medicine Alexander von Humboldt, Universidad Peruana Cayetano Heredia, Lima, Peru

**2 p.m.**

**SPATIOTEMPORAL MODELLING TO INVESTIGATE THE IMPACT OF CLIMATE AND EXTREME WEATHER EVENTS ON ARBOVIRUS TRANSMISSION IN BRAZIL**

Victoria M. Cox1, Wes Hinsley1, Megan O’Driscoll1, Felipe Campos de Melo Iani1, Nuno R. Faria1, Samir Bhatt2, Ilaria Dorigatti2

1. MRC Centre for Global Infectious Disease Analysis, School of Public Health, Imperial College London, London, United Kingdom
2. Department of Genetics, University of Cambridge, Cambridge, United Kingdom
3. Laboratorio de Genetica Celular e Molecular, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil
4. School of Public Health, Imperial College London, London, United Kingdom
5. Department of Geography, University of Oxford, Oxford, United Kingdom
6. Institute of Tropical Medicine, University of São Paulo, São Paulo, Brazil
7. MRC Centre for Global Infectious Disease Analysis, School of Public Health, Imperial College London, London, United Kingdom
8. Section of Epidemiology, Department of Public Health, University of Copenhagen, Copenhagen, Denmark

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**References:**

2. #TropMed23 #IamTropMed
2:15 p.m.  6406

PRIOR ZIKA VIRUS INFECTION INCREASES RISK OF SUBSEQUENT SYMPTOMATIC INFECTION BY DENGUE VIRUS SEROTYPES 2 AND 4 BUT NOT SEROTYPES 1 AND 3

Jose Victor Zambrana1, Chloé M. Hasundi1, Rosemary A. Aogo1, Sonia Arguello2, Cesar Narvaez2, Karla Gonzalez2, Damaris Collado2, Tatiana Miranda3, Guillermma Kuan1, Angel Balmaseda1, Leah Katzelnick1, Eva Harris1
1Department of Epidemiology, School of Public Health, University of Michigan, Ann Arbor, MI, United States, 2Viral Epidemiology and Immunity Unit, Laboratory of Infectious Diseases, National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States, 3Sustainable Sciences Institute, Managua, Nicaragua, 4Centro de Salud Sócrates Flores Vivás, Ministerio de Salud, Managua, Nicaragua, 5Laboratorio Nacional de Virología, Centro Nacional de Diagnóstico y Referencia, Ministerio de Salud, Managua, Nicaragua, 6Division of Infectious Diseases and Vaccinology, School of Public Health, University of California, Berkeley, Berkeley, CA, United States

2:30 p.m.  6407

INVESTIGATING THE POTENTIAL OF DENGUE AND ZIKA VIRUS TO ESTABLISH A SYLVATIC TRANSMISSION CYCLE IN THE NEOTROPICS THROUGH A MODELING LENS

Helene Cecilia1, Benjamin M. Althouse1, Sasha R. Azar1, Shannan L. Ross1, Nikos Vasilikas1, Kathryn A. Hanley2
1New Mexico State University, Las Cruces, NM, United States, 2University of Washington, Seattle, WA, United States, 3University of Texas Medical Branch, Galveston, TX, United States

2:45 p.m.  6408

INVESTIGATING THE VECTOR COMPETENCE OF A SCOPE OF MOSQUITO SPECIES IN THE TRANSMISSION OF GETAH VIRUS

Faustus A. Azerigiyik1, Astri Nur Faizah1, Daiisuke Kobayashi1, Michael Amoah-Bosompem2, Ryo Matsumura1, Izumi Kai1, Toshinori Sasaki1, Yukiko Higa1, Haruhiko Ishawa1, Shiroh Iwanaga3, Tomoko Ishino4
1Tokyo Medical and Dental University, Bunkyo-ku, Japan, 2National Institute of Infectious Diseases, Shinjuku-ku, Japan, 3University of Tennessee, Knoxville, TN, United States, 4Research Institute for Microbial Diseases, Osaka University, Suita, Osaka, Japan

3 p.m.  6409

EXPOSURE TO WEST NILE VIRUS AND STRAIN-SPECIFIC DIFFERENCES SHAPE TRANSMISSION BY CYCLOPIPIES UNDER CLIMATE CHANGE

Rachel Fay1, Mauricio Cruz-Loya1, Elyse Banker1, Jessica Stout1, Anne Payne1, Erin Mordecai1, Alexander Cota1
1School of Public Health, State University of New York Albany, Albany, NY, United States, 2Biology Department, Stanford University, Stanford, CA, United States, 3Arbovirus Laboratory, Wadsworth Center, New York State Department of Health, Slingerlands, NY, United States

3:15 p.m.  6410

IDENTIFICATION OF ZIKA VIRUS GENES INVOLVED IN MOSQUITO TRANSMISSIBILITY

Shiho Torii1, Alicia Lecuyer1, Caroline Manet1, Matthieu Prot1, Cheikh T. Diagne2, Oumar Faye4, Oumou Faye4, Amadou A. Sall1, Etienne Simon-Lorière1, Xavier Montagutelli1, Louis Lambrechts1
1Institut Pasteur; Paris, France, 2Institut Pasteur de Dakar, Dakar, Senegal

Scientific Session 80

Kinetoplastida and Other Protozoa: Genomics, Proteomics and Metabolomics, Molecular Therapeutic Targets. Treatment, Drug Delivery, Drug Repurposing and Drug Discovery

Grand Hall K - Ballroom Level (East Tower)
Friday, October 20, 1:45 p.m. - 3:30 p.m. U.S. Central Time Zone

CHAIR
Frederick S. Buckner
University of Washington, Seattle, WA, United States
Alyse Wheelock
Boston University Medical Center, Boston, MA, United States

1:45 p.m.  6411

CRYPTOSPORIDIUM PARVUM: THIOREDOXIN REDUCTASE ACTS AS THE PRIMARY REGULATOR OF GLUTATHIONE AND THIOREDOXIN REDOX PATHWAYS AND IS A TARGET FOR DRUG DISCOVERY FOR CRYPTOSPORIDIOSIS

Jalia Bogaard1, Federica Gabrielle1, Matteo Ardini1, Marta Palmarin1, Xian-Ming Chen1, Francesco Angelucci1, David Williams1
1Rush University Medical Center, Chicago, IL, United States, 2University of L’Aquila, L’Aquila, Italy

2 p.m.  6412

PROGRESS IN DEVELOPING METHIONYL-TRNA SYNTHETASE INHIBITORS FOR CHAGAS DISEASE

Frederick S. Buckner1, Zhongsheng Zhang1, Aisha Mushtaq1, John R. Gillespie1, Zackary M. Herbst1, Sayaka Shibata1, Erkang Fan1
1University of Washington, Seattle, WA, United States

2:15 p.m.  6413

METABOLIC ANALYSIS REVEALS A NOVEL IMMUNOMODULATORY ROLE OF LYSOPHOSPHATIDYLCHOLINES IN IMMUNIZATION WITH A GENETICALLY MODIFIED LIVE ATTENUATED PARASITIC VACCINE

Pama Bhattacharya1, Jinchun Sun1, Nazli Azodi1, Hannah Markle1, Sreenivas Gannavaram1, Richard Beger1, Hira Nakhashi1
1FDA, Silver Spring, MD, United States, 2FDA, Jefferson, AR, United States

2:30 p.m.  6414

NEW TRYPANOSOME GENOMES DEMONSTRATE THE CO-EVOLUTIONARY RELATIONSHIP BETWEEN ENERGY SOURCE AND SURVIVAL STRATEGY

Ross Stuart Low1, Kevin Tyler1, Neil Hall1
1The Earlham Institute, Norwich, United Kingdom, 2University of East Anglia, School of Medicine, Norwich, United Kingdom

2:45 p.m.  6415

FACING ADVERSITY: CHAGAS DISEASE TREATMENT TOLERABILITY AND ADVERSE EVENTS AT AN ACADEMIC SAFETY-NET HOSPITAL IN NEW ENGLAND

Alyse Wheelock1, Katherine Reifler1, Alejandra Salazar1, Samantha Hall1, Natasha Hochberg1, Davidson H. Hamer1, Daniel Bourque1
1Boston University Medical Center, Boston, MA, United States, 2Boston Medical Center, Boston, MA, United States
Scientific Session 81

Filaria - Clinical, Immunology, and Diagnosis

Grand Hall L - Ballroom Level (East Tower)

Friday, October 20, 1:45 p.m. - 3:30 p.m. U.S. Central Time Zone

CHAIR
Rachel Pietrow
NIH, Bethesda, MD, United States

Benoit Dembele
Helen Keller International, Regional Office for Africa, Dakar, Senegal

3:15 p.m.

CHEMICAL AND GENETIC INVESTIGATIONS ON LEISHMANIA DEXD/H-BOX PROTEINS AS POTENTIAL DRUG TARGETS AGAINST LEISHMANIASIS

Yosser zina Abdelkrim É. Guédiche1, Emna Harigua1, Imen Bassoumi-Jamoussi1, Kolka Mokaddi, Mourad Barhoumi1, Josette Banroques2, Lucien Crobu3, Yvon Sterckers3, Khadija Essafi-Benkhadir, Michael Nilges, Arnaud Blondel1, N. Kyle Tanner, Ikram Guizani1

1Institut Pasteur de Tunis, Tunis, Tunisia, 2Institut De biologie Physico-chimique, Paris, France, 3Centre National de la Recherche Scientifique, Montpellier, France, 4Institut Pasteur de Paris, Paris, France

Scientific Session 82

Schistosomiasis II

Plaza Ballroom - Lobby Level (East Tower)

Friday, October 20, 1:45 p.m. - 3:30 p.m. U.S. Central Time Zone

CHAIR
Charles B. Delahunt
Global Health Labs, Seattle, WA, United States

Adebayo Molehin
Midwestern University, Glendale, AZ, United States

2 p.m.

EFFICACY AND SAFETY OF ALBENDAZOLE 400 AND 800 MG ON HYPERMICROFILAREMIC LOAISIA: PRELIMINARY RESULTS OF A PHASE IIIB, RANDOMIZED, SINGLE-BLIND CLINICAL TRIAL IN NORTHERN GABON

Noé Patrick M'Bondoué, Lucchere Ndong Akomezogho, Jacques Mari Ndong Ngomo, Bridy Chesly Mouhot Mitiombi, Roger Hadry Sibi Matotou, Meredith Flore Ada Mengome, Denise Patricia Moullb Mboumba, Marieelle Karine Bouyou-Akotet

Université des Sciences de la Santé du Gabon, Owendo, Gabon

2:15 p.m.

DEVELOPMENT OF AN ELISA TO DETECT ANTIBODY TO ONCHOCERCA VOLVULUS INFECTION USING A MAMMALIAN EXPRESSED RECOMBINANT ANTIGEN OV16

Sylvia Ossai, Eric S. Elder, Won Y. Kimberly, William E. Secor, Sukwan Handali

Centers for disease control and prevention, Atlanta, GA, United States

2:30 p.m.

LABORATORY EVALUATION OF ONCHOCERCIASIS RAPID DIAGNOSTIC TESTS (RDTs)

Eric S. Elder, Marco Biamonte, Lily Sullivan, Pete Augustini, William E. Secor, Kimberly Y. Won

1Centers for Disease Control and Prevention, Atlanta, GA, United States, 2Drugs and Diagnostics for Tropical Diseases, San Diego, CA, United States

3 p.m.

PROTEIN INVENTORY OF ONCHOCERCA VOLVULUS NEOPLASMS IDENTIFIED BY DEEP VISUAL PROTEOMICS

Kerstin Fischer1, Lucas S. Di Maggio1, Bruce A. Rosa1, Makedonka Mitrev1, Jessica K. Lukowski1, Minsoo Son1, Byoung-Kyu Cho1, Young Ah Goo1, Nicholas Opoku1, Gary J. Weil1, Peter U. Fischer1

1Washington University School of Medicine, St. Louis, MO, United States, 2University of Wisconsin-Milwaukee, Milwaukee, WI, United States, 3Institut de recherche pour le Développement, Montpellier, France

3:15 p.m.

ASSOCIATION BETWEEN ALTERED COGNITION AND LOAISIS: FIRST EVIDENCE FROM A CROSS-SECTIONAL STUDY IN A RURAL AREA OF THE REPUBLIC OF CONGO

Thomas Checkouri2, Francois Missamou, Sebastien D. S. Pion2, Paul Bikita, Marhand C. Hemilembolo1, Michel Boussinesq1, Cedric B. Chesa1, Jérémy T. Campillo1

1AP-HP, Paris, France, 2PNLO, Brazzaville, Republic of the Congo, 3Institut de recherche pour le Développement, Montpellier, France

2:45 p.m.

WB 5, A NOVEL BIOMARKER FOR MONITORING EFFICACY AND SUCCESS OF MASS DRUG ADMINISTRATION PROGRAMS FOR WUCHERERIA BANCROFTI ELIMINATION

Rachel E. Pietrow, Thomas B. Nutman, Sasisekhar Bennuru

National Institutes of Health, Bethesda, MD, United States

2:30 p.m.

LABORATORY EVALUATION OF ONCHOCERCIASIS RAPID DIAGNOSTIC TESTS (RDTs)

Eric S. Elder, Marco Biamonte, Lily Sullivan, Pete Augustini, William E. Secor, Kimberly Y. Won

1Centers for Disease Control and Prevention, Atlanta, GA, United States, 2Drugs and Diagnostics for Tropical Diseases, San Diego, CA, United States
2 p.m.  6426

**NOVEL INHIBITORS OF THIOREDOXIN GLUTATHIONE REDUCTASE WITH SCHISTOSOMICIDAL ACTIVITY**

Samuel Y. Aboagye1, Valentina Z. Petukhova1, Matteo Ardini1, Rachel P. Lullo2, Margaret Byrne3, Lucy M. Martin4, Gregory Effantin5, Wai-Li Ling6, Gregory RJ Thatcher7, Francesco Angelucci8, Pavel A. Petukhov9, David Williams10

1Rush University Medical Center, Chicago, IL, United States, 2University of Illinois at Chicago, Chicago, IL, United States, 3University of L’Aquila, L’Aquila, Italy, 4University of Grenoble Alpes, Grenoble, France, 5University of Arizona, Tucson, AZ, United States, 6University of Illinois at Chicago, Chicago, IL, United States

2:15 p.m.  6427

**HIGH SENSITIVITY BUT LOW SPECIFICITY OF FEMALE GENITAL SCHISTOSOMIASIS SYMPTOMS AND RISK FACTORS DIAGNOSTIC TOOL ON GENITAL LESIONS ASSOCIATED WITH FEMALE GENITAL SCHISTOSOMIASIS IN ADOLESCENT GIRLS AND WOMEN IN MASWA DISTRICT, TANZANIA**

Gladys Mbwanji Humphrey Mazigo Catholic University of Health and Allied Sciences, Mwanza, United Republic of Tanzania

2:30 p.m.  6428

**OPTIMISATION OF THE DNA DIPSTICK AS A RAPID EXTRACTION METHOD FOR S. JAPONICUM IN INFECTED MICE SAMPLES AND SPIKED HUMAN CLINICAL SAMPLES**

Oyine Poise Aula1, Donald P. McManus2, Malcolm K. Jones3, Hong You1, Pengfei Cai1, Mary Duke1, Catherine A Gordon1

1QIMR Berghofer Medical Research Institute, Herston, Australia, 2University of Queensland, Gatton, Australia

2:45 p.m.  6429

**ACCEPTABILITY OF GENITAL SELF-SAMPLING FOR THE DIAGNOSIS OF FEMALE GENITAL SCHISTOSOMIASIS IN HARD-TO-REACH COMMUNITIES**

Emmanuel Timmy Donkoh1, Edward T. Dassah2, Samuel Fosu Gyasi3, Oksana Debrah2, Dodzi Amelor4, Richard Asmehr5, Kwame O. Boadu1, Emma Donkoh1, Angelina Kantam1, Lois Kyeretwie1, Esther Owusu Yawson1, Nathanael Agyapong-Apapku1, Josephine Opolo-Ayemang1

1University of Energy and Natural Resources, Sunyani, Ghana, 2Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 3University of Cape Coast, Cape Coast, Ghana, 4Ghana Health Service, Accra, Ghana, 5University of Health and Allied Sciences, Ho, Ghana, 6Ghana Health Service, Yeji, Ghana, 7Ghana Health Service, Kumasi, Ghana, 8Ghana Health Service, Tain, Ghana

3 p.m.  6430

**EXPANDING FEMALE GENITAL SCHISTOSOMIASIS (FGS) LEARNING AND APPLICATION THROUGH AN ONLINE TRAINING FOR MIXED CADRES OF HEALTH CARE WORKERS IN FRANCOPHONE AFRICA**

Martha N. Mberu1, Kelly Yotebieng2, Isis Umbelino-Walker3, Anastasia Pantelias2, Julie Jacobson1

1The END Fund, New York, NY, United States, 2Bridges to Development, Vashon, WA, United States

3:15 p.m.  6431

**THE STATUS OF SCHISTOSOMIASIS AFTER A DECADE OF MASS DRUG ADMINISTRATION IN SIERRA LEONE**

Ibrahim Kargbo-Labour1, Mohamed S. Bah1, Victoria Turay2, Abdulai Conteh3, Abdulai Koroma1, Elisabeth Chop1, Patricia Houck4, Anna Phillips5, Angela Weaver1, Steven D. Reid6

1Neglected Tropical Diseases Program, Ministry of Health and Sanitation, Freetown, Sierra Leone, 2Helen Keller International, Freetown, Sierra Leone, 3Helen Keller International, New York, NY, United States, 4FHI 360, Washington, DC, United States

**Symposium 83**

Reimagining the Continuum of Care for Severe Malaria Patients

*Crystal Ballroom A - Lobby Level (West Tower)*

*Friday, October 20, 1:45 p.m. - 3:30 p.m. United States Central Time Zone*

The diagnosis and management of severe malaria remains a challenge. It is important and deserves more attention. In 2021, an estimated 619,000 malaria related deaths occurred, mostly in children in sub-Saharan Africa. The standard treatment pathway for patients in remote areas, consisting of pre-referral intervention with artemesunate rectal capsules, follow-ed by appropriate severe malaria treatment with injectable artesunate at a referral health facility, and completed with a full ACT course, may not always be achievable. There has been a lively debate about the interpretation of data about the deployment of rectal artesunate as a pre-referral intervention. Updated guidance to countries is being developed and expected to be released by mid-2023, pending WHO review process. Translating current guidelines into practice is proving challenging in remote settings. The full treatment paradigm is not always feasible when access to primary healthcare facilities is limited due to factors such as lack of transport, availability of services, and cost. This symposium will provide an opportunity to learn about practical approaches and new ways to reimagine severe malaria case management in the continuum of care for severe malaria patients.

*CHAIR*

Hans Rietveld

Medicines for Malaria Venture, Geneva, Switzerland

Christine Manyando

Tropical Diseases Research Center, Ndola, Zambia

1:45 p.m.  6432

**INTRODUCTION**

1:55 p.m.  6433

**UPDATED GUIDANCE FOR THE RESPONSIBLE DEPLOYMENT OF RECTAL ARTESSUNATE AS A PRE-REFERRAL INTERVENTION FOR SEVERE MALARIA**

Olugbenga Mokuolu

Management Sciences for Health, Arlington, VA, United States
**Symposium 84**

**What’s New in Clinical Tropical Medicine Literature?**

**Crystal Ballroom B - Lobby Level (West Tower)**

**Friday, October 20, 1:45 p.m. - 3:30 p.m. United States Central Time Zone**

Experts in Tropical Medicine and Travelers’ Health base their decisions on the knowledge of disease epidemiology, clinical course, diagnostic tools, resistance patterns, and vaccine data. This symposium will highlight recent studies on these aspects of Malaria, Yellow Fever, SARS-CoV-2 and Chikungunya virus.

**CHAIR**

Ivan A. Gonzalez  
University of Miami, Miami, FL, United States  
Lin H. Chen  
Mount Auburn Hospital and Harvard Medical School, Cambridge, MA, United States

**1:45 p.m.**

**INTRODUCTION**

**1:55 p.m.**

**WHAT’S NEW IN THE LITERATURE: SARS-COV-2?**  
Henry Wu  
The Emory Clinic, Emory University, Atlanta, GA, United States

**2:10 p.m.**

**WHAT’S NEW IN THE LITERATURE: MALARIA?**  
Bartholomew Ondigo  
Egerton University, Nakuru, Kenya

**2:35 p.m.**

**WHAT’S NEW IN THE LITERATURE: YELLOW FEVER**  
J Erin Staples  
U.S. Centers for Disease Control and Prevention, Fort Collins, CO, United States

**3 p.m.**

**WHAT’S NEW IN THE LITERATURE: CHIKUNGUNYA?**  
Susan Hills  
Centers for Disease Control and Prevention, Fort Collins, CO, United States

**Symposium 85**

**Bridging the "Know-Do-Gap": Using Implementation Science to Adapt Evidence-Based Interventions and Improve Their Uptake in Low-and-Middle-Income Countries**

**Regency Ballroom A - Ballroom Level (West Tower)**

**Friday, October 20, 1:45 p.m. - 3:30 p.m. United States Central Time Zone**

Studies show that it takes an average of 17 years for evidence-based interventions (EBIs) to be implemented into routine clinical practice. This gap between what we “know” from available evidence and what we actually “do” in routine clinical care is particularly pronounced in low-and-middle income countries (LMICs). Most EBIs were developed in or by those in high-resource countries and may not consider or account for context such as healthcare infrastructure or resource limitations in LMICs. Implementation science aims to bridge this “know-do-gap” by providing rigorous scientific methods to adapt EBIs to different healthcare settings, identify barriers to EBI implementation, and develop strategies to overcome these barriers. Implementation science also provides structured approaches to assessing the success of implementation strategies by measuring implementation outcomes such as acceptability, feasibility, appropriateness, and cost-effectiveness. Implementation science provides implementation researchers and practitioners with the tools to adapt and test EBIs using contextually appropriate strategies that address individual, collective, and/or systemic barriers to care, optimizing EBIs to improve uptake, adoption, and health outcomes. This ultimately results in improved health equity for patients requiring health services relevant to the EBIs. In this symposium, we will use real-world examples to introduce and demystify the field of implementation science. To provide a broad introduction to this topic, we will highlight different aspects of implementation science across diverse practice sites and patient demographics. These include (1) developing and implementing HIV pre-vention and treatment programs for children living in Nigeria; (2) using qualitative research methods to assess organizational readiness for change and prioritize requirements for electronic medical record rollout within cancer centers in African countries; (3) exploring how guidelines can be adapted to improve the uptake of evidence-based practices in China, and (4) assessing the cost-effectiveness of point-of-care diagnostics in Ugandan patients with advanced HIV. This symposium will introduce clinicians, researchers, program implement-ers, and policymakers to implementation science. It will also provide tools for assessing barriers to implementing EBIs, designing implementation strategies to overcome these bar-riers, and evaluating the effectiveness of these implementation strategies in improving EBI uptake/adoption. For clinicians and policymakers working in LMICs, this symposium intends to improve the understanding and
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Uganda Cancer Institute, Kampala, Uganda
University of Minnesota, St Paul, MN, United States
University of New Mexico, Albuquerque, NM, United States
Douglas Perkins
Jasper Chan
Friday, October 20, 1:45 p.m. - 3:30 p.m. U.S. Central Time Zone
Pneumonia, Respiratory Infections and Tuberculosis I
Scientific Session 86
Fred Hutchinson Cancer Center, Seattle, WA, United States
Elizabeth Anne Gulleen
THE CASE FOR IMPLEMENTATION SCIENCE
3:15 p.m.
Johnblack Kabukye
OPTIMIZING ELECTRONIC MEDICAL RECORD USAGE FOR MANAGEMENT STRATEGIES FOR PATIENTS WITH HIV IN UGANDA
2:55 p.m.
Radha Rajasingham
University of Minnesota, St Paul, MN, United States
University of Southern Medical University, Guangzhou, China
2:30 p.m.
Nadia A. Sam-Agudu
Institute of Human Virology Nigeria, Abuja, Nigeria
2 p.m.
ASTMH — Advancing Global Health Since 1903
2:30 p.m.
Performance of a Novel Realtime-Time PCR Device for Detection of SARS-CoV-2, Respiratory Syncytial Virus and Influenza Viruses from August 2022 to January, 2023
Michael Owusu1, Bernard Nkrumah1, Godfred Acheampong1, Stephen Opoku Afriyie1, Richard Larbi1, Richard Owusu-Ansah1, Chrysantus Kubio2, Farouk Saeed3, Nana Kwame Ayisi-Boateng4, Eric Darko4, James Frimpong4, Veronica Bannor5, Frederick Ayensu6, Pawan Angra9, Danielle T. Barradas10
1Kwame Nkrumah University of Science and Technology, Centre for Health System Strengthening, Kumasi, Ghana, 2Regional Health Directorate, Savannah Region, Kumasi, Ghana, 3Centre for Health System Strengthening, Kumasi, Ghana, 4Regional Health Directorate, Savannah Region, Kumasi, Ghana, 5Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 6Asokwa Children Hospital, Kumasi, Ghana, 7HopeXchange, Kumasi, Ghana, 8US Centers for Disease Control and Prevention, Georgia-Atlanta, GA, United States, 9US Centers for Disease Control and Prevention, Atlanta, GA, United States, 10US Centers for Disease Control and Prevention, Atlanta, GA, United States
For this, there are successful citizen science initiatives underway, such as NASA’s GLOBE Observer Mosquito Habitat Mapper, which could be adapted to different species and local contexts. This symposium aims to present updated information on invasive arthropods, their impact on public health, and available tracking tools, in order to raise awareness on the need to understand, detect, and monitor invasive species to improve their control and reduce disease burden.

**PATHWAYS & MORTALITY OF UNDER 5 CHILDREN IDENTIFIED AS SEVERE CASES WITH ROUTINE PULSE OXIMETRY USED INTO THE INTEGRATED MANAGEMENT OF CHILDHOOD ILLNESS GUIDELINES AT PRIMARY HEALTH CENTERS IN WEST AFRICA, JUNE 2021 TO JUNE 2022**

Gildas Boris HEDIBLE1, Desire Neboua1, Lucie Peters Bokol1, Gildas ANAG0, Zineb ZAIF1, Severin Lenaud1, Honorat Agbec1, Abdoul Guaniyi SAWADOGO1, Désiré KARDOUGOU1, Bertrand Medar1, Jacques Séraphin Kolié1, Sandrine Busiere1, Franck Lamontagne1, Sarah Louart2, Valéry Ridde2, Valériane Leroy2, CERPOP UMR 1295 INSERM UT3, Toulouse, France, 2ALIMA, Dakar, Senegal, 3PACCI, Abidjan, Côte d’Ivoire, 4ALIMA, Bamako, Mali, 5SOLTHS, Niamey, Niger, 6ALIMA, Conakry, Guinea, 7ltdh, Dakar, Senegal, "Solthis, Paris, France, 8ALIMA & B University of Lille, CLERSE - Centre Lillois d'Études et de Recherches Sociologiques et Économiques, Dakar, Senegal, "9IRD, Paris, France

**IMPACT OF PNEUMOCOCCAL CONJUGATE VACCINES ON PENICILLIN RESISTANT S. PNEUMONIAE**

Sebastian LoI1, Theresa Ochoa2, Stephen Bentley3, Stephanie Lo4, 1Universidad Peruana Cayetano Heredia, Lima, Peru, 2Wellcome Sanger Institute, Hinxton, Cambridgeshire, United Kingdom

**MULTIPLEXED ANTIGEN SPECIFIC ANTIBODY FC PROFILING FOR POINT OF CARE DIAGNOSIS OF TUBERCULOSIS**

Sarah Ali1, Preetham Peddireddy1, Abhija Panigrahi1, Asma Hashim1, Aniruddh Sarkar2, Georgia Institute of Technology, Atlanta, GA, United States

**Symposium 87**

American Committee of Medical Entomology (ACME) Symposium I: Invasive Arthropods and their Impact on Public Health

Regency Ballroom C - Ballroom Level (West Tower)
Friday, October 20, 1:45 p.m. - 3:30 p.m. United States Central Time Zone

Among the current impacts of globalization and climate change is the introduction of arthropods to new areas, where they can thrive if the local conditions are adequate. Invasive arthropods can have a significant impact on human and animal health due to the establishment of ectoparasites, pathogen vectors, and vector borne diseases in new regions. The bed bugs Cimex lectularius and Cimex hemipterus are within the most important invasive pest ectoparasites that have resurfaced globally in the past decade, causing substantial human health impact and economic burden. In Africa, an Asian malaria vector, Anopheles stephen-si, continues expanding its geographical range, with the subsequent impact on local mosquito surveillance and control programs, as well as potential effects on urban malaria epidemiology. Likewise, one of the most extensively dispersed ticks worldwide, the brown dog tick (Rhipicephalus sanguineus s. L.), is capable of reaching high densities in urban areas and can transmit important zoonotic pathogens to humans. Although these and other invasive arthropods may already be established, tracking them is key for monitoring further expansion and controlling population densities.

**Integrated Malaria Molecular Surveillance (iMMS) in Africa: Current Initiatives and Future Direction**

Regency Ballroom D - Ballroom Level (West Tower)
Friday, October 20, 1:45 p.m. - 3:30 p.m. United States Central Time Zone

Interoperable data generated from multiple sources using robust integrated malaria molecular surveillance (iMMS) is essential for sustainable control and elimination of malaria. This will enable country-led decision making, informed by a holistic understanding
of how the three genomes - human, parasite, and vector - respond to specific malaria control interventions. National laboratories and Regional hubs (where one laboratory supports multiple countries) will greatly facilitate integration and utilization of genomics data at national, regional, continental, and global context. Through active engagement with policy makers and National malaria control programs (NMCPs), the laboratories/hubs will generate data that is routinely and better integrated into decision making. For hubs, each hub leader will catalyze their own discrete but complementary regional networks providing training to neighboring countries from sample collection to translation of genomic data into actionable knowledge by NMCPs. Currently, iMMS platforms supporting the generation, processing, storing and analysis of data and regional centers of genomic surveillance are limited and not widely implemented. There is an urgent need to bring genome experts, bioinformaticians, and data analysts together to address cross-cutting questions that deepen our understanding of iMMS and its potentials for supporting the ongoing malaria elimination strategies. Addressing these challenges collectively will support the development of key operational questions, ev-idence-based decisions, and policy-making by NMCPs and other stakeholders. The symposium will bring together iMMS experts to provide updates and discuss current efforts to de-velop sampling frameworks and build data generation and analysis capacity and regional hubs across Africa. It will detail how harmonized iMMS approaches can address challenges of procurement, training and data interoperability and give specific examples of implementation in Ghana, The Gambia, Mali and Vietnam. It will highlight on integration with NMCPs for optimal use of the data to address relevant use cases and building regional networks for iMMS. Symposium attendees will hear from experts who are either implementing or sup-porting iMMS projects in Africa and South-East Asia. In addition, a diverse group of panel-lists made of experts will discuss and highlight the pressing issues and perspectives on ef-fective implementation of iMMS in malaria endemic countries. Experts will discuss and share experiences and lessons and offer recommendations for effective implementation of iMMS in malaria-endemic countries with varying landscapes of disease burden.

CHAIR
Deus S. Ishengoma
National Institute for Medical Research, Dar es Salaam, United Republic of Tanzania

Shavanthi Rajatileka
Wellcome Sanger Institute, Hinxton, United Kingdom

1:45 p.m.
INTRODUCTION

1:55 p.m.
ESTABLISHMENT AND IMPLEMENTATION OF AN INTEGRATED MALARIA PARASITE AND VECTOR MOLECULAR SURVEILLANCE IN GHANA (IMPAVES-GHANA)

Lucas Amenga-Etego
West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), University of Ghana, Accra, Ghana

2:10 p.m.
ESTABLISHING A REGIONAL HUB FOR MALARIA GENOMIC SURVEILLANCE IN THE GAMBIA

Eniyou Cheryll Oriero
MRC Unit The Gambia Unit at the London School of Hygiene and Tropical Medicine, Banjul, Gambia

2:25 p.m.
PAN-AFRICAN OMICS AND BIOINFORMATICS INITIATIVES FOR MALARIA VECTOR RESEARCH AND SURVEILLANCE

Nsa Dada
Norwegian University of Life Sciences, Ski, GA, Norway

2:40 p.m.
INCREASING PUBLIC HEALTH VALUE OF MALARIA SURVEILLANCE DATA

Olivo Mioto
University of Oxford, Bangkok, Thailand

2:55 p.m.
PANELIST

Nana A. Williams
Barcelona Institute for Global Health (ISGlobal), Hospital Clinic - Universitat de Barcelona, Barcelona, Spain

3:05 p.m.
MODERATOR, PANEL DISCUSSION

Deus Ishengoma
National Institute for Medical Research, Dar es Salaam, United Republic of Tanzania

Career Chats: Meet the Overseas Mentors

Grand Hall MN - Ballroom Level (East Tower)
Friday, October 20, 3 p.m. - 4 p.m. U.S. Central Time Zone

This session will provide trainees with an opportunity to learn directly from international re-searchers and other experts as a means to building on academic experiences to help them create networks that may aid in navigating future career paths. Trainees will have the opportunity to hear directly from established scientists, passionate about working with international students, at the forefront of global health and raise questions and ideas which could motivate their career ad-vancement at the global stage. The mentors will discuss their institutional global health portfolio and offer supportive strategies in navigating cultural, academic, and social challenges in overseas countries.

CHAIR

Bartholomew Ondigo
Egerton University, Nakuru, Kenya

Katherine Dobbs
Case Western Reserve University, Cleveland, OH, United States

PANELISTS

John H. Amuasi, Senior Lecturer in Global Health
Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Katherine Dobbs
Case Western Reserve University, Cleveland, OH, United States

Andres G. Lescano, Associate Professor
Universidad Peruana Cayetano Heredia, Lima, Peru

Bartholomew Ondigo
Egerton University, Nakuru, Kenya

Liam Smeeth, Director
London School of Hygiene & Tropical Medicine, London, United Kingdom

270
Exhibit Hall Open

*Riverside Center - Exhibit Level (East Tower)*

**Friday, October 20, 3:15 p.m. - 4:15 p.m. U.S. Central Time Zone**

Coffee Break

*Riverside Center - Exhibit Level (East Tower)*

**Friday, October 20, 3:30 p.m. - 4 p.m. U.S. Central Time Zone**

Richard Hunt Sculpture Tour

*Meet in Hotel Lobby at Wacker Drive Entrance*

**Friday, October 20, 3:30 p.m. – 5 p.m.**

Please join us along with the Green Task Force for a Chicago Art Walk featuring the work of Chicago’s own famous sculptor, Richard Hunt. According to Kinshasha Holman Conwill, Director of the Studio Museum in Harlem, “Hunt has been a major figure in American Art for forty years. His sculpture and public commissions have earned a singular place in the cultural landscape and public imagination.” Jesus Lopes, a staff artist in Richard Hunt’s Studio, will lead the tours. The tours will be held on Thursday, October 19 at 3:30 p.m. - 5 p.m. and Friday, October 20 at 3:30 p.m. - 5 p.m. Meet in the lobby of the Hyatt Regency Chicago at the Wacker Drive entrance.

Poster Session B Dismantle

*Riverside Center - Exhibit Level (East Tower) and Grand Hall GHI – Ballroom Level (East Tower)*

**Friday, October 20, 4 p.m. - 6:15 p.m.**

Symposium 89

ASTMH Committee on Global Health (ACGH) Symposium II: From Concept to Practice: How to Sustainably Democratize/Decolonize Global Health

*Grand Ballroom A - Ballroom Level (East Tower)*

**Friday, October 20, 4 p.m. - 5:45 p.m. U.S. Central Time Zone**

To achieve true and sustained decolonization of global health practices, actors and decision-makers need a better understanding of the processes, lessons learned along the way and the factors that can enable or interfere with decolonization of global health. This symposium will provide an overview of how global health can sustainably achieve decolonization from concept to practice. Presentations will address decolonizing global health education and research, decolonizing global organizations, country-level and community-level initiatives, and a call to action to be a proactive decolonizer. This symposium will enable and empower participants to play an active role in decolonizing global health, leading to better ‘industry’ policies and practices.

**CHAIR**

| Maria Elena Bottazzi |
| Baylor College of Medicine, Houston, TX, United States |
| Katherine Wolf |
| JHPIEGO, Baltimore, MD, United States |

Symposium 90

American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP) Symposium II: Trager, Trainees and Take-off!

*Grand Ballroom B - Ballroom Level (East Tower)*

**Friday, October 20, 4 p.m. - 5:45 p.m. U.S. Central Time Zone**

ACMCIP has bestowed the William Trager Award for Basic Parasitology since 2015. The award recognizes a fundamental breakthrough in molecular, cellular, or immunoparasitology. The Trager & Trainee Awardees Symposium exists to celebrate the present excellence, as well as highlight the bright future of molecular, cellular, and immunoparasitology research. This symposium will highlight the scientific work on the Trager awardee, along with the work of trainee and up-and-coming investigators in ACMCIP-related research. These include an ACMCIP Young Investigator awardee who works in parasitology as well as the winners of the ACMCIP Trainee 3-minute thesis competition. The coupling of both pivotal and emerging parasitology research will serve as both an educational and aspirational event for ACMCIP trainee members and the broader ASTMH membership.

**CHAIR**

| Mahalia S. Desruisseaux |
| Yale University School of Medicine, New Haven, CT, United States |
| Dinah Nahid |
| Wake Forest University, Winston-Salem, NC, United States |
From a Single Dataset to a Million Patients: Solutions to Pool and Harmonize IPD for Effective and Equitable Reuse of Data to Generate New Evidence in an Open Science Framework

Grand Hall J - Ballroom Level (East Tower)
Friday, October 20, 4 p.m. - 5:45 p.m. U.S. Central Time Zone

There is growing evidence of the improved statistical power of conducting individual-patient data (IPD) meta-analysis compared to aggregated meta-analysis. However, in order to do so, sharing, harmonizing and reusing data is a necessary step. There are increasing numbers of policies encouraging data sharing employed by funders and publishers. Actual practice however is still stagnating due to perceived and practical barriers. The Infectious Diseases Data Observatory (IDDO) has, with partners and collaborators from around the world, implemented solutions for many of the regulatory, ethical, and scientific hurdles that are routinely cited by researchers as reasons for a lack of sharing and reuse. These solutions include establishment of equitable group collaborations and implementation of DOIs to ensure credit and traceability of data reuse; development of governance bodies, agreements, and procedures to address ethical and legal concerns and access barriers; and curation of data to CDISC-compliant standards to address heterogeneity and increase findability and reusability, alleviating resource burden on researchers. As exemplified through multiple published IPD meta-analyses and their impact on the development of WHO treatment guidelines the experience of IDDO and research partners serves as compelling evidence for the significant contribution that facilitation of data reuse can make to researchers, science and ultimately for the benefit of patients. The progress in understanding and overcoming those barriers within IDDO’s context has been a relatively long journey but is significant, with novel infrastructure, collaborators and environments evolving. Workable solutions and ways forward will be explored, examining how current solutions could be improved, and where next steps should be focused. This symposium will provide a platform for experiences and practical solutions in open science focusing on data reuse, and a forum to push the field further. Overcoming these hurdles, and showcasing these successes is critical to start changing the dialogue from focusing on barriers to driving solutions.

CHAIR
Philippe J. Guerin
University of Oxford, Oxford, United Kingdom
Manju Rahi
Indian Council of Medical Research, New Delhi, India

4 p.m.
INTRODUCTION

4:10 p.m.
SOLUTIONS TO OPEN SCIENCE AND DATA REUSE
Kalyn Kennon
Infectious Diseases Data Observatory, Oxford, United Kingdom

4:35 p.m.
GOVERNANCE OF DATA REUSE
Robert Terry
TDR, World Health Organization, Geneva, Switzerland

4:50 p.m.
The Impact of Data Reuse in Malaria
Robert J. Commons
Menzies School of Health Research, Darwin, Australia

5:05 p.m.
Impact of Data Reuse in NTDS
Maria Jesús Pinazo
Drugs for Neglected Diseases initiative, Rio de Janeiro, Brazil

5:20 p.m.
APPLICATIONS AND NEXT STEPS IN NEW ENVIRONMENTS
Phaik Yeong Cheah
Mahidol Oxford Tropical Medicine Research Unit, Bangkok, Thailand
5:35 p.m.
MODERATOR, PANEL DISCUSSION
Philippine J. Guérin
University of Oxford, Oxford, United Kingdom

Scientific Session 92
Mosquitoes – Biology and Genetics of Insecticide Resistance

Grand Ballroom CDEF - Ballroom Level (East Tower)
Friday, October 20, 4 p.m. - 5:45 p.m. U.S. Central Time Zone

CHAIR
Victoria Ingham
Heidelberg University Hospital, Heidelberg, Germany
Tchouakui Magellan
Centre for Research in Infectious Diseases, Yaoundé, Cameroon

4 p.m.
6439
THE IMPACT OF NEXT-GENERATION DUAL-ACTIVE INGREDIENT LONG-LASTING INSECTICIDAL NET DEPLOYMENT ON INSECTICIDE RESISTANCE IN MALARIA VECTORS DURING A THREE-YEAR CLUSTER-RANDOMIZED CONTROLLED TRIAL IN TANZANIA
Louisa Alexandra Messenger1, Nancy S. Matowo1, Chad L. Cross1, Mohamed Jamalunne2, Natalie M. Portwood3, Jackline Martin1, Eliud Lukole1, Elizabeth Mallya1, Jacklin F. Moshia1, Robert Kaaya2, Oliva Moshi2, Portwood2, Jackline Martin2, Eliud Lukole3, Elizabeth Mallya3, Manisha Kulkarni5, Natacha Protopopoff2
1University of Nevada, Las Vegas, Las Vegas, NV, United States, 2London School of Hygiene & Tropical Medicine, London, United Kingdom, 3Centre for Research in Infectious Diseases, Yaoundé, Cameroon, 4Barasa Ogoma5, Allison Belemvire1, Djenam Jacob3, Roch Kounbobr Dabiré1, 1Centre Suisse de Recherches Scientifiques en Côte d’Ivoire, Université Nangui Abrogoua, Abidjan, Côte d’Ivoire, 2Institut de Recherche en Sciences de la Santé, Bobo-Dioulasso, Burkina Faso, 3Institut National de Recherche Biomédicale, P.O Box 1197, Kinshasa, Democratic Republic of the Congo, 4Malaria Research, Kenya Medical Research Institute, Kisumu, Kenya, 5US President’s Malaria Initiative, US Agency for International Development, Ouagadougou, Burkina Faso, 6Department of Vector Biology, Liverpool School of Tropical Medicine, Pembroke Place, L35QA, Liverpool, United Kingdom

4:15 p.m.
6440
WHOLE GENOME SEQUENCING AND RNASEQ IDENTIFIES POTENTIAL MOLECULAR MARKERS OF INSECTICIDE RESISTANCE WITHIN THE ANOPHELES GAMBIAE SPECIES COMPLEX
Juan Carlos Lo1, Antoine Sanou2, Marion Morris1, Wasim Hussain1, Hilary Ranson1, Victoria A. Ingham1
1Heidelberg University Hospital, Heidelberg, Germany, 2Centre National de Recherche et de Formation sur le Paludisme, Ouagadougou, Burkina Faso, 3Liverpool School of Tropical, Liverpool, United Kingdom

5 p.m.
6443
PHENOTYPIC RESISTANCE TO PYRETHROID ASSOCIATED TO METABOLIC MECHANISM IN VGSC-L995F RESISTANT-ANOPHELES GAMBIAE MALARIA MOSQUITOES
France Paraudie A. Kouadio1, Angela N. Sika1, Behi K. Fodjo1, Christabelle G. Sadia1, Sébastien K. Oyou1, Allassane F. Ouattara1, Chouaïbou S. Mouhamadou1

5:15 p.m.
6444
RNASEQ-BASED GENE EXPRESSION PROFILING OF THE CHLORFENAPYR -RESISTANT ANOPHELES GAMBIAE FROM CAMEROON HIGHLIGHTS DOWN-REGULATION OF MAJOR PYRETHROID RESISTANCE GENES
Tchouakui Magellan1, Tatiane Assatse1, Hervé Tzakong2, Ambrose Oruni1, Jonathan Kayondor, Franci Watsenga1, Themba Mzilahowa1, Michael Osae1, Charles S. Wordji3, 1Centre for Research in Infectious Diseases, Yaoundé, Cameroon, 2Uganda Virus Research Institute (UVRI), Entomology department, P.O.Box 49, Entebbe, Uganda, 3Institut National de Recherche Biomédicale, P.O Box 1197, Kinshasa, Democratic Republic of the Congo, 4Malaria Alert Centre (MAC), Kamuzu University of Health Sciences (KUHeS), Entomology department, PO Box 265, Blantyre, Malawi, 5Radiation Entomology and Pest Management Centre, Ghana Atomic Energy Commission, PO Box LG80, Lagon, Ghana, 6Department of Vector Biology, Liverpool School of Tropical Medicine, Pembroke Place, L35QA, Liverpool, United Kingdom

5:30 p.m.
6445
INSECTICIDE RESISTANCE AND WHOLE TRANSCRIPTOME PROFILES OF ANOPHELES FUNESTUS POPULATION IN WESTERN KENYA
Issiah Debrah1, Daibin Zhong1, Linda E. Amoah1, Andrew K. Githeko1, Yaw A. Afrene2, Gуйюань Yan1
1West African Centre for Cell Biology of Infectious Pathogens (WACCBIP),University of Ghana, Accra, Ghana, 2University of California, Irvine, CA, United States, 3Noguchi Memorial Institute for Medical Research, University of Ghana, Accra, Ghana, 4Centre for Global Health Research, Kenya Medical Research Institute, Kisumu, Kenya, 5Department of Medical Microbiology, University of Ghana Medical School, Accra, Ghana
Neglected tropical diseases (NTDs) impact the health, development, and livelihood of over one billion people globally. Substantial progress has been made over the last few decades with 42 countries having eliminated at least one NTD since 2010. To accelerate progress and capitalize on these gains, the World Health Organization (WHO) published a roadmap for NTDs with the aim of controlling and eliminating NTDs from endemic countries by 2030. The main method of control for the preventive chemotherapy NTDs is mass drug administration (MDA). Rigorous use of accurate data could identify areas where progress may be slowing and evaluate causes for the continuation of transmission. Projects such as the Expanded Special Project for Elimination (ESPEN) work on the consolidation, access, and use of NTD data to inform decision making for programs and identify gaps in intervention efforts (e.g., MDA campaigns) that could be filled to better impact transmission and reach elimination. With increasing data quality and data use comes the opportunity to apply methods such as mathematical modelling. Mathematical modelling has been regularly used to inform decision making for disease programs. For example, in malaria, modelling has frequently been used to evaluate the most impactful combination of interventions that a country could apply to reach prevalence and incidence goals. Or to give predictions on how changing the structure of an intervention may improve impact by expanding to new geographies or age groups. NTD modelling has already been used to evaluate high-level questions such as the prevalence threshold required to interrupt transmission, and the impact of increasing frequency of MDA rounds. NTD country programs could greatly benefit from these methods and for modelling groups to work with programs to identify areas where modelling could provide evidence for their decision making. The goal of this symposium is to provide insight and ideas into how NTD models can be applied to country settings and be used to inform program decision making. We will hear from the NTD Modelling Consortium on bringing together academic groups to share methods and results as well as being a resource for other institutions that wish to learn about or apply modelling for NTDs. We will then learn about two use cases for NTD modelling at country level. First, in Kenya, where modelling is being used to inform MDA planning and implementation for schistosomiasis. Second, on geospatial modelling for identifying onchocerciasis vector breeding sites in Nigeria. Finally, we will hear about a consortium that aims to bring together modelers and programs in sub-Saharan Africa to share knowledge, build capacity, and form partnerships between institutions based in NTD endemic countries.
Symposium 95

More Than a Guideline: Using the WHO 2030 NTD Road Map to End the Neglect of Soil-Transmitted Helminthiasis

Plaza Ballroom - Lobby Level (East Tower)
Friday, October 20, 4 p.m. - 5:45 p.m. U.S. Central Time Zone

The Road Map for Neglected Tropical Diseases (NTDs) for 2021–2030 (the ‘Road Map’) outlines a plan to address the global burden of these diseases and reach the 2030 targets for control, elimination, and eradication. This symposium will showcase how African and Asian soil-transmitted helminthiasis (STH) control programs have adapted their programs to stimulate progress in achieving the 2030 targets using the three foundational pillars outlined in the Road Map. Each speaker will highlight how their program’s successes have mapped to the three pillars: (i) accelerate programmatic action, (ii) intensify cross-cutting approaches, and (iii) change operating models and culture to facilitate country ownership. The first presentation will highlight how Bangladesh’s Ministry of Health and Family Welfare has pivoted one of the world’s largest STH programs from population-based deworming to targeted evidence-based deworming among school-aged children. The speaker will discuss the STH situation in Bangladesh and share the findings of community-based surveys and geostatistical modeling intended to guide programmatic deworming decisions. The second presentation will describe how the national STH program in Malawi monitors the country’s changing epidemiology and how this information guides interventions being delivered. The speaker will address the translation of the findings of research studies into practice and the challenges the program faces in implementing the Road Map pillars. Next, the Ugandan Vector Borne & Neglected Tropical Diseases Division speaker will describe the program’s challenges in data collection and diagnostics for STH control and the innovative approaches taken to address these challenges. Finally, audience members will hear from the speaker from the African Institute for Health & Development, who will discuss the integration of STH control activities into broader coordination with cultural movements within and around the globe. The final segment of the symposium will feature a panel discussion. Here, the speakers will share their experiences and insights on the successes and challenges of implementing the 2030 Road Map pillars. The discussion will provide a platform for program managers, researchers, and other STH stakeholders to exchange ideas and identify new ways to reach the 2030 targets. The goal of the panel is to encourage south-south dialogue, foster understanding, and promote collaboration among stakeholders in addressing STH.
4 p.m.
INTRODUCTION

4:10 p.m.
EPIDEMIOLOGICAL EVIDENCE TO INFORM PROGRAMMING FOR SOIL-TRANSMITTED HELMINTH INFECTION CONTROL IN BANGLADESH
M.M. Aktaruzzaman
Ministry of Health and Family Welfare of Bangladesh, Dhaka, Bangladesh

4:35 p.m.
PUTTING 2030 NTD ROAD MAP PILLARS INTO PRACTICE: EXPERIENCE FROM THE MALAWI SOIL-TRANSMITTED HELMINTHIASIS CONTROL PROGRAM
Khumbo Kalua
Blantyre Institute for Community Outreach, Blantyre, Malawi

4:50 p.m.
INNOVATIONS AND INITIATIVES IN THE UGANDAN SOIL-TRANSMITTED HELMINTHIASIS CONTROL PROGRAM SINCE THE ADOPTION OF THE 2030 NTD ROAD MAP
Betty Nabatte
Division of Vector Borne and Neglected Tropical Diseases, Kampala, Uganda

5:05 p.m.
ADOPTION OF CULTURALLY SENSITIVE MODELS FOR SOIL-TRANSMITTED HELMINTHIASIS CONTROL AND SUSTAINABLE IMPACTS AT NATIONAL AND SUB-NATIONAL LEVELS
Mary Nyamongo
African Institute for Health and Development, Nairobi, Kenya

Symposium 96
CDC Yellow Book Travel Medicine Update

Crystal Ballroom A - Lobby Level (West Tower)
Friday, October 20, 4 p.m. - 5:45 p.m. U.S. Central Time Zone

The CDC Yellow Book Health Information for International Travel is published every two years as a resource for health professionals providing care to international travelers. The newly published edition, CDC Yellow Book 2024, compiles the US government’s most current travel health guidelines, including pretravel vaccine recommendations, destination-specific health advice, and easy-to-reference maps, tables, and charts. This symposium will introduce novel features of the CDC Yellow Book, including new topics and a sleek, more intuitive on-line interface. CDC-based subject matter experts will offer overviews and updates on three of the most common topics addressed by travel medicine providers: travel vaccines, dengue, and malaria. Drawing from the respective CDC Yellow Book chapter, each presenter will provide an overview of common issues and new updates related to each topic.

CHAIR
Eric Halsey
CDC, Atlanta, GA, United States
Kristina Angelo
CDC, Atlanta, GA, United States

4 p.m.
INTRODUCTION

4:10 p.m.
YELLOW BOOK 2024 OVERVIEW
Eric Halsey
CDC, Atlanta, GA, United States

4:30 p.m.
TRAVEL VACCINE REVIEW AND UPDATE
Kristina Angelo
CDC, Atlanta, GA, United States

4:55 p.m.
DENGUE REVIEW AND UPDATE
Liliana Sanchez-Gonzalez
CDC, San Juan, PR, United States

5:20 p.m.
MALARIA REVIEW AND UPDATE
Alison Ridpath
CDC, Atlanta, GA, United States

Symposium 97
Wolbachia Based Vector Control for Arboviral Diseases: Next Steps in Rolling out the Intervention at Scale

Regency Ballroom A - Ballroom Level (West Tower)
Friday, October 20, 4 p.m. - 5:45 p.m. U.S. Central Time Zone

Arboviral infections such as dengue pose a global public health threat. The incidence has been increasing with half of the world’s population at risk, a trend perpetuated by climate change. Communities in low resource settings are particularly affected. To prevent the transmission of arboviral diseases, strategies to control mosquito populations have been deployed. The wMel strain of the intracellular bacterium Wolbachia, endowing a pathogen-blocking phenotype, has been introduced in natural populations of Aedes aegypti. This method is considered an environmentally friendly approach to control arboviral diseases. The World Mosquito Program’s (WMP) Wolbachia method has been assessed by the WHO Vector Control Advisory Group as demonstrating evidence of public health value, and the WMP is applying for WHO prequalification. To reduce the transmission of arboviruses such as dengue and chikungunya in more communities at risk, it is pertinent to scale this arboviral control strategy for widespread roll out. The introgression of wMel into local Aedes aegypti populations has been shown to significantly reduce the incidence of dengue in randomized and non-randomized field trials. Challenges to broad implementation include threats to introgression of wMel into the mosquito population, sustained effectiveness, generalizability and affordability of the technology. The symposium will address these challenges by discussing the accumulating evidence and lessons learned from field deployments of wMel-infected Aedes aegypti in 12 countries in Asia-Pacific and Latin America. wMel has been shown to reduce the incidence of both dengue and chikungunya in Brazil. Our speakers will reflect on the effect of the wMel release program in Rio de Janeiro, Brazil, an urban setting. Experiences from this observational study will highlight the challenges to wMel introgression encountered in complex urban communities.
Open questions remain about factors such as heterogeneity of baseline mosquito populations, seasonal fluctuations, local accessibility, circulation of Aedes albopictus, an alternative vector for arboviruses and the approach to egg as compared to adult mosquito release carrying wMel. The symposium will discuss a modelling framework for spatially and temporally targeted interventions in complex transmission dynamics. To further address evidence gaps, our symposium will present the EVITA Dengue trial, a cluster-randomized controlled trial to evaluate the efficacy of wMel-infected Aedes aegypti mosquitoes in reducing the incidence of arboviral infection in Brazil. The symposium will address issues of cost-effectiveness as well as community-engagement and point out future directions for widespread roll out of this promising arboviral control strategy.

**CHAIR**
Hendrik Sy
Montefiore Medical Center/Albert Einstein College of Medicine, The Bronx, NY, United States
Albert I. Ko
Yale School of Public Health, New Haven, CT, United States

**4 p.m.**
**INTRODUCTION**

**4:10 p.m.**
**UPDATE ON GLOBAL EVIDENCE FOR THE EFFECTIVENESS, SCALABILITY, AND COST-EFFECTIVENESS OF WMP’S WOLBACHIA METHOD**
Katie Anders
Monash University, Melbourne, Australia

**4:30 p.m.**
**EFFECT OF THE WMEL RELEASE PROGRAM ON THE INCIDENCE OF DENGUE AND CHIKUNGUNYA IN BRAZIL**
Henrik Salje
University of Cambridge, Cambridge, United Kingdom

**4:50 p.m.**
**EXPERIENCE WITH THE EVITA DENGUE TRIAL IN BRAZIL - EVIDENCE GAPS REMAIN**
Luciano A. Moreira
Fundação Oswaldo Cruz, Belo Horizonte, Brazil

**5:10 p.m.**
**FUTURE PLANS FOR THE GLOBAL SCALE UP OF THE WMP WOLBACHIA METHOD**
Scott O’Neill
Monash University, Clayton, Australia

**5:30 p.m.**
**MODERATOR, PANEL DISCUSSION**
Hendrik Sy
Montefiore Medical Center / Albert Einstein College of Medicine, The Bronx, NY, United States
Symposium 99

American Committee of Medical Entomology (ACME) Symposium II: Annual Business Meeting, Awards and Hoogstraal Medal Presentations and Networking Reception

Regency Ballroom C - Ballroom Level (West Tower)
Friday, October 20, 4 p.m. - 5:45 p.m. U.S. Central Time Zone

This symposium provides a forum for exchange of information among people interested in research on arthropod vectors of disease. This session features a short ACME business meeting followed by presentation of the 2023 ACME awards. The award ceremony features the ACME Student Travel awards, Future Leaders in International Research awards, Breakthrough in Medical Entomology award, Award of Distinction, and the Hoogstraal Medal, the highest distinction conferred by ACME. The symposium will highlight the next generation of medical entomologists and recognize the early, mid- and late career achievements of individuals in the field of medical entomology. The plenary session will be delivered by the 2023 Hoogstraal Medal recipient and will feature the contributions of the awardee to advancing the field of medical entomology. The symposium will conclude with the passing of the gavel, transfer of office and the ACME professional networking session.
BARAKA, Mali, *Kenya Medical Research Institute, Centre for Global Health Research, Kisumu, Kenya, ‘Department of Clinical Sciences, Liverpool School of Tropical Medicine, Liverpool, United Kingdom, ‘London School of Hygiene & Tropical Medicine, London, United Kingdom, ‘Malaria Atlas Project, Telethon Kids Institute, Perth Children’s Hospital, Nedlands, Australia

4:30 p.m.  
6462  
A GLOBAL MALARIA CASE-MANAGEMENT MODEL CASCADE WITH AN INTERACTIVE TOOL FOR POINT-OF-CARE CONSUMPTION ANALYSIS  
Taslim L. Symons, Susan Rumisha, Paulina Dzianach, Francesca Sanna, Mauricio Van Den Berg, Sarah Connor, Camilo Vargas, Daniel J. Weiss, Toyota Oktita, Peter W. Gething  
Telethon Kids Institute, Perth, Australia

4:45 p.m.  
6463  
MALARIA AS A RISK FACTOR FOR COVID-19 IN WESTERN KENYA AND BURKINA FASO (MALCOV)  
1Kenya Medical Research Institute, Centre for Global Health Research, Kisumu, Kenya, ‘Department of Clinical Research, Faculty of Infectious and Tropical Diseases, London School of Hygiene & Tropical Medicine, London, United Kingdom, ‘Groupe de Recherche Action en Santé (GRAS), Ouagadougou, Burkina Faso, ‘Department of Infection Biology, Faculty of Infectious and Tropical Diseases, London School of Hygiene & Tropical Medicine, London, United Kingdom, ‘Department of Clinical Sciences, Liverpool School of Tropical Medicine, Liverpool, United Kingdom, ‘Department of Non-Communicable Disease Epidemiology, Faculty of Epidemiology and Population Health, London School of Hygiene & Tropical Medicine, London, United Kingdom, ‘Quantitative Engineering Design (QED.ai), Warsaw, Poland

5 p.m.  
6464  
PREVALENCE OF MALARIA INFECTION AND COVERAGE OF KEY CONTROL INTERVENTIONS AMONG SEASONAL MIGRANT WORKERS AT FARM SITES AND SURROUNDING RESIDENT POPULATIONS IN NORTHWEST AMHARA REGION, ETHIOPIA  
Melkamu Tirune1, Berhan Tesfaye2, Henry Ntuku3, Adam Aemas4, Asfaw Getachew5, Laura Merriman6, Belay Bezbir7, Gudissa Assefa8, Hiwot Solomon9, Endalamaw Gadisa10, Denje Dillu11, Ashake Weshiwondim12, Gezahegn Tesfaye13, Belenida Serda14, Caterina Guinovart15, Jennifer Smith16, Amir Siraj17, Adam Bennett18  

5:15 p.m.  
6465  
MALARIA SEROEPIDEMIOLOGY IN VERY LOW TRANSMISSION SETTINGS IN THE PERUVIAN AMAZON  
Bryan Fernandez-Camacho1, Brian Peña-Caleró2, Martina Guillermo-Roman3, Jorge Ruiz-Cabrejos4, Jose Luis Barboza5, Lucia Bartolini-Arana6, Hugo Rodriguez-Ferrucci7, Veronica Soto-Calle8, Lucia Nell9, Isabel Byrne10, Monica Hill11, Elin Dumont12, Lynn Grignard13, Kevin Tetteh14, Lindsey Wu15, Alejandro Llanos-Cuentas16, Chris Drakeley17, Gillian Stresman18, Gabriel Carrasco-Escobar20  
1Health Innovation Laboratory, Universidad Peruana Cayetano Heredia, Lima, Peru, ‘Universidad Nacional de la Amazonia Peruana, Iquitos, Peru, ‘Dirección de Prevención y Control de Enfermedades Metáxicas y Zoonosis - Ministerio de Salud, Lima, Peru, ‘London School of Hygiene & Tropical Medicine, London, United Kingdom, ‘Institute of Tropical Medicine Alexander von Humboldt, Universidad Peruana Cayetano Heredia, Lima, Peru

5:30 p.m.  
6842  
UPDATING MALARIA RISK MAP OF KENYA BY PRE-SERVICE DIAGNOSIS OF THE MALARIA ASYMTOMATIC INDIVIDUALS RECRUITED IN THE KENYA DEFENCE FORCES  
Edwin Wachenje Mwalio1, Charles Ekkuttan2, John Lugonza3, Juliana Munyao4, Gladys Chemworo5, Jackline Juma6, Dennis Kuma7, Raphael Okoth8, Philip Njatha9, Dennis Juma10, Hosea M. Akala11, Kirti Tiwari12, Elly Ojwang13, Timothy Egbo14, Eric Garges15  

6860  
REDUCTION OF MALARIA CASE INCIDENCE FOLLOWING THE INTRODUCTION OF CLOTHIANIDIN-BASED INDOOR RESIDUAL SPRAYING IN PREVIOUSLY UNSPRAYED DISTRICTS: AN OBSERVATIONAL ANALYSIS USING HEALTH FACILITY REGISTER DATA FROM COTE D'IVOIRE, 2018-2022  
Emily R. Hilton1, Ndombour Gning-Cisse2, Augustine Assi3, Mathieu Eyakou4, John Koffi5, Barthelemy Gnako6, Bernard Kouassi7, Cecilia Flatley8, Joseph Chabi9, Constant Guy N’Guessan Gbalegba4, Serge Alex Aimain4, Colette Yah Kokrasset4, Antoine Mea Tanoh4, Sylvain Koffi N’Gotta5, Francine Octavie Yao6, Hugues Assi Egou7, Phloméne Konan8, Kelly Davis9, Edi Constant10, Allison Belemvire11, Patricia Vepassidou-Zembour12, Pascal Zimindohoue13, Blaise Koundio14, Sarah Burnett15  
LLIN EVALUATION IN UGANDA PROJECT (LLINEUP2) - ASSOCIATION BETWEEN HOUSING CONSTRUCTION AND MALARIA BURDEN IN UGANDA: RESULTS FROM AN OBSERVATIONAL STUDY OF 32 DISTRICTS

Martha J. Nassali, Samuel Gonahasa, Catherine Maiti, Kebuza, Jane F. Namuganga, Jimmy Opigo, Daniel Kyabayinze, Isaiah Nabende, Jaffer Okiring, Emmanuel Aninatwe, Adrienne Epstein, Katherine Snyman, Joaniter Nankabirwa, Grant Dorsey, Moses 1, M. Kamya, Sarah Stedke

Infectious Diseases Research Collaboration, Kampala, Uganda, Ministry of Health, Kampala, Uganda, Directorate of Public Health, Kampala, Uganda, National Malaria Control Division, Ministry of Health, Kampala, Uganda, Ministry of Health, Kampala, Uganda, Liverpool School of Tropical Medicine, Liverpool, United Kingdom, London School of Hygiene & Tropical Medicine, London, United Kingdom, Department of Medicine, University of California, San Francisco, San Francisco, CA, United States, Department of Medicine, Makerere University, Kampala, Uganda

HIGH COMMUNITY HEALTH WORKER USAGE WITH APPROPRIATE MALARIA MANAGEMENT IN A MODERATE PLASMODIUM FALCIPARUM BURDEN REGION OF CHADIZA DISTRICT, ZAMBIA, APRIL-MAY 2021

Erika Wallender, Bupe M. Kambamba, Marie-Reine I. Rutagwa, Chabu Kangala, Travis Porter, Maximilian Musunze, Sarah Gallaler, Adam Bennett, Paul Psychas, Julie Gutman, Busiku Hamainza, Julie Twining


HIGH BURDEN OF ASYMPTOMATIC MALARIA AND ANAEMIA DESPITE HIGH ADHERENCE TO MALARIA CONTROL MEASURES: A CROSS-SECTIONAL STUDY AMONG PREGNANT WOMEN ACROSS TWO SEASONS IN A MALARIA-ENDEMIC SETTING IN GHANA

Nsoh Godwin Anabire, Belinda Aculley, Abigail Pobee, Eric Kyei-Baafour, Gordon Awandare, Maria del Pillar Quintana, Lars Hvid, Michael Ofori

Department of Biochemistry and Molecular Medicine, School of Medicine, University for Development Studies, Tamale, Ghana, Department of Immunology, Noguchi Memorial Institute for Medical Research, University of Ghana, Accra, Ghana, West African Centre for Cell Biology of Infectious Pathogens; Department of Biochemistry, Cell and Molecular Biology, University of Ghana, Accra, Ghana, Centre for Medical Parasitology, Department of Immunology and Microbiology, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark

Break

Friday, October 20, 5:45 p.m. - 6:15 p.m. U.S. Central Time Zone

Special Session 101

Speed-Networking with the Experts

Crystal Ballroom B - Lobby Level (West Tower)

Friday, October 20, 6:15 p.m. - 8 p.m. U.S. Central Time Zone

The annual Speed-Networking session is organized by the Trainee Membership Committee and the five ASTMH subgroups: ASTMH Committee on Global Health (ACGH), the American Committee on Clinical Tropical Medicine and Travelers’ Health (ACCTMTH/CLINICAL GROUP), the American Committee of Medical Entomology (ACME), the American Committee on Arthropod-Borne Viruses (ACAV) and the American Committee of Molecular, Cellular and Immunoparasitology (ACMCI). The session is designed to facilitate interactions between senior scientists, physicians and trainees in an informal setting in order to provide an array of important information on possible career paths in tropical medicine. During this session, students and young career scientists will have an opportunity to briefly meet experts who represent each of the subgroup fields, including scientists in global health, clinicians, epidemiologists, entomologists and basic research scientists. Experts will have a broad range of career experiences working in international posts, policy, federal government, and the military, among others. Experts will share information with students about their career choices, trajectories, challenges along the way, and how they see their work fitting into the larger tropical medicine arena. Students in this session will be designated to a subgroup to match their interests and current educational paths. Please note that this meeting is limited to those who pre-registered for the event.

Sponsored Symposium

The Role of Antivirals for Prevention and Treatment of Dengue

Grand Hall J - Ballroom Level (East Tower)

Friday, October 20, 6:15 p.m. – 8 p.m. United States Central Time Zone

Sponsored by Johnson & Johnson

See page 55 for information.

This session does not carry ASTMH CME credit.

Sponsored Symposium

PfHRP2/3 Deletion: A Call to Action

Crystal Ballroom A - Lobby Level (West Tower)

Friday, October 20, 6:15 p.m. – 8 p.m. United States Central Time Zone

Sponsored by Abbott

See page 56 for information.

This session does not carry ASTMH CME credit.