

2023 Annual Meeting | **October 18-22**

HYATT REGENCY CHICAGO

CHICAGO, ILLINOIS USA

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#TropMed23



LATE-BREAKER ABSTRACT PRESENTATION SCHEDULE BOOK



FROM EVIDENCE *to* ACTION



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Late-Breaker Abstract Session 28

Late-Breakers in Basic Science

Grand Ballroom CDEF – Ballroom Level (East Tower)

Thursday, October 19, 12:15 p.m. - 1:30 p.m.

CHAIR

Yai Justin Doritchamou

National Institute of Allergy and Infectious Disease, Bethesda, MD, United States

Ayman El-Badry

Cairo University, Kasr Al-Ainy Faculty of Medicine, Cairo, Egypt

12:15 p.m.

LB-8181

Host Band 3/SLC4A1 is a species-transcendent host receptor for Plasmodium vivax clade malaria parasites.

Usheer Kanjee¹, Sheena Dass¹, Christof Grüning¹, Mudit Chaand¹, Johnathan Goldberg¹, Anjali Mascarenhas², Ligia Pereira², John Doench³, Pradipsinh K. Rathod², Manoj T. Duraisingh¹

¹Harvard T.H. Chan School of Public Health, Boston, MA, United States, ²University of Washington, Seattle, WA, United States, ³Broad Institute, Cambridge, MA, United States

12:25 p.m.

LB-8182

Cryptosporidium infection of human small intestinal epithelial cells induces type III interferon expression and impairs the infectivity of live-attenuated rotavirus vaccines.

Valentin Greigert¹, Iti Saraav¹, Juhee Son¹, Denis Dayao², Avan Antia¹, Saul Tzipori², William H. Witola³, Thaddeus S. Stappenbeck⁴, Siyuan Ding¹, L. David Sibley¹

¹Washington University School of Medicine, St. Louis, MO, United States, ²Cummings School of Veterinary Medicine, Tufts University, North Grafton, MA, United States, ³College of Veterinary Medicine, University of Illinois at Urbana-Champaign, Urbana, IL, United States, ⁴Lerner Research Institute, Cleveland Clinic, Cleveland, OH, United States

12:35 p.m.

LB-8183

Identification of the Anopheles (Nyssorhynchus) albimanus thioester-containing protein (TEP) that eliminates Plasmodium falciparum

Alvaro Molina-Cruz, Gaspar Canepa, Nitin Kamat, Roxanne Withers, Nadia Raytseles, Carolina Barillas-Mury

National Institutes of Health, Rockville, MD, United States

12:45 p.m.

LB-8184

A novel proviral role of Vago genes during dengue virus infection of Aedes aegypti mosquitoes

Elodie Couderc¹, Anna B. Crist¹, Artem Baidaliuk¹, Umberto Palatini², Louis Lambrechts¹, Sarah H. Merklings¹

¹Institut Pasteur, Paris, France, ²Rockefeller University, New York City, NY, United States

12:55 p.m.

LB-8185

Evidence for the involvement of Mannose receptor 1 in macrophage immune modulation after stimulation with mosquito salivary proteins

Irene Arnoldi, Marta Villa, Ilaria Varotto-Boccazzi, Claudio Bandi, Sara Epis, Paolo Gabrieli
University of Milan, Milan, Italy

Late-Breaker Abstract Session 28

Late-Breakers in Basic Science

*Grand Ballroom CDEF – Ballroom Level (East Tower)
Thursday, October 19, 12:15 p.m. – 1:30 p.m.*

1:05 p.m.

LB-8186

Characterization of Anopheles gambiae mosquitoes swarms using 3D video tracking

Andrea Cavagna¹, Irene Giardina², Gloria Iacomelli³, Max Lombardi³, Stefania Melillo⁴, Leonardo Parisi⁴, Matthew J. Peirce³, **Roberta Spaccapelo**³

¹National Research Council - Institute for Complex Systems Perugia, Rome, Italy, ²University Sapienza, Rome, Italy, ³University of Perugia, Perugia, Italy, ⁴National Research Council - Institute for Complex Systems, Rome, Italy

1:15 p.m.

LB-8187

Gaining control of invasive urban disease vectors: First results from a field trial in Aden, Yemen.

Richard Allan¹, Sara Esteche Querol¹, Laura Paris¹, Mohammad Kamal¹, Abdullah B. Yasser²

¹The MENTOR Initiative, Haywards Heath, United Kingdom, ²National Malaria Control Program, Aden, Yemen

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.

CHAIR

Miguel Cabada

University of Texas Medical Branch, Galveston, TX, United States

Sharon Tennant

University of Maryland School of Medicine, Baltimore, MD, United States

12:15 p.m.

LB-8369

Chikungunya: Preliminary Phase 3 Safety Data of a Single-dose Live-attenuated Vaccine Candidate in Adolescents in Brazil: a Pivotal Trial

Vera Bürger¹, Sandra Hadl¹, Martina Schneider¹, Michaela Schaden¹, Jutta Seebacher¹, Romana Hochreiter¹, Annegret Bitzer¹, Karin Kosulin¹, Robert Mader¹, Oliver Zoihs¹, Andrea Pfeiffer¹, Ana Paula Loch², Eolo Morandi Jr.², Katrin Dubischar¹, Nina Wressnigg¹, Susanne Eder-Lingelbach¹, Juan Carlos Jaramillo¹

¹Valneva Austria GmbH, Vienna, Austria, ²Instituto Butantan, Sao Paulo, Brazil

12:25 p.m.

LB-8370

What causes febrile illness in Africa and Asia? Results from FIEBRE: infections causing fever among child and adult outpatients and inpatients at sites in Lao PDR, Malawi, Mozambique, and Zimbabwe

Heidi Hopkins, for the FIEBRE Consortium

London School of Hygiene & Tropical Medicine, London, United Kingdom

12:35 p.m.

LB-8371

Doxycycline for the treatment of nodding syndrome; a phase II, randomised placebo-controlled trial

Richard Idro¹, Rodney Ogwang¹, Ronald Anguzu¹, Pamela Akun¹, Albert Ningwa¹, Catherine Abbo¹, Maria Pia Giannoccaro², Joseph Kubofcik³, Amos Deogratias Mwaka¹, Bernard Opar⁴, Mark Taylor⁵, Thomas Nutman³, Alison Elliott⁶, Angela Vincent⁷, Charles Newton⁷, Kevin Marsh⁷

¹Makerere University College of Health Sciences, Kampala, Uganda, ²University of Bologna, Bologna, Italy, ³National Institutes of Health, WASHINGTON, DC, United States, ⁴Ministry of Health, Kampala, Uganda, ⁵Liverpool School of Tropical Medicine, Liverpool, United Kingdom, ⁶London School of Hygiene and Tropical Medicine, London, United Kingdom, ⁷University of Oxford, Oxford, United Kingdom

12:45 p.m.

LB-8372

A RANDOMIZED CONTROLLED TRIAL ASSESSING COMMUNITY MOBILIZATION AND COMMUNITY INCENTIVIZATION (COMIC) STRATEGY FOR CHILDHOOD DIARRHEA AND PNEUMONIA IN A RURAL SETTING OF PAKISTAN

Jai K. Das¹, Rehana A. Salam², Mushtaq Mirani¹, Muhammad Khan¹, Imran Ahmed¹, Arjumand Rizvi¹, Zahra Padhani³, Zulfiqar Bhutta¹

¹Aga Khan University, Karachi, Pakistan, ²University of Sydney, Sydney, Australia, ³University of Adelaide, Adelaide, Australia

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.

12:55 p.m.

LB-8373

Association between the uptake of intermittent preventive treatment in pregnancy (IPTp) and birthweight of babies in a rural Ghanaian setting

Elizabeth A. Awini¹, Margaret Gyapong², Emmanuel Darkwa¹, Kenneth Nartey¹, Gabriel Odonkor¹, John Williams¹

¹Dodowa Health Research Centre, Accra, Ghana, ²University of Health and Allied Sciences, Accra, Ghana

1:05 p.m.

LB-8374

Advancing filariasis diagnosis with edge artificial intelligence in mobile microscopy

Lin Lin¹, Elena Dacal², Nuria Díez², Claudia Carmona³, Alexandra Martin Ramirez⁴, Lourdes Barón Argos³, David Bermejo-Peláez², Carla Caballero², Daniel Cuadrado², Oscar Darias², Jaime García-Villena², Alexander Bakardjiev², Maria Postigo², Ethan Recalde-Jaramillo¹, Maria Flores-Chavez⁵, Andrés Santos⁶, María Jesús Ledesma-Carbayo⁶, José M. Rubio⁴, Miguel Luengo-Oroz²

¹Spotlab; Biomedical Image Technologies, ETSI Telecomunicación, Universidad Politécnica de Madrid; CIBER de Bioingeniería, Biomateriales y Nanomedicina, Instituto de Salud Carlos III, Madrid, Spain, ²Spotlab, Madrid, Spain, ³Malaria and Emerging Parasitic Diseases Laboratory, National Microbiology Centre, Instituto de Salud Carlos III, Madrid, Spain, ⁴Malaria and Emerging Parasitic Diseases Laboratory, National Microbiology Centre, Instituto de Salud Carlos III; Centro de Investigación Biomédica en Red de Enfermedades Infecciosas (CIBERINFEC) Instituto de Salud Carlos III, Madrid, Spain, ⁵Malaria and Emerging Parasitic Diseases Laboratory, National Microbiology Centre, Instituto de Salud Carlos III; Fundación Mundo Sano, Madrid, Spain, ⁶Biomedical Image Technologies, ETSI Telecomunicación, Universidad Politécnica de Madrid; CIBER de Bioingeniería, Biomateriales y Nanomedicina, Instituto de Salud Carlos III, Madrid, Spain

1:15 p.m.

LB-8375

Mali is the 17th country in the world to eliminate trachoma as a public health problem against a backdrop of security, socio-political and health crises.

Lamine Traore¹, **Modibo Keita**², Boubacar Guindo², Famolo Coulibaly¹, Mamadou Dembele¹, Dramane Traoré², Fama Kondo², Mama Niélé Doumbia², Lamine Diarra², Ouassa Sanogo², Alex K. Brown², Cleo Stern³, Yaobi Zhang³, Benoit Dembele⁴, Steven D. Reid³
¹Programme National de Santé Oculaire, Bamako, Mali, ²Helen Keller International, Bamako, Mali, ³Helen Keller International, New York, NY, United States, ⁴Helen Keller International, Dakar, Senegal

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.

CHAIR

Giselle Lima-Cooper

Indiana University, Indianapolis, IN, United States

Mahamadou Diakite

MRTC-USTTB, Bamako, Mali

12:15 p.m.

LB-8376

Methodology to assess the Risk of Malaria in Children Who are no Longer Eligible for Seasonal Malaria Chemoprevention (SMC) or Seasonal Vaccination in Burkina Faso and Mali

Issaka Zongo¹, Alassane Dicko², Jean-Bosco Ouedraogo³, Issaka Sagara², Matthew Cairns⁴, Rakiswende Serge Yerbanga¹, Djibrilla Issiaka², Charles Zoungrana¹, Youssoufa Sidibe², Amadou Tapily², Romaric Oscar Zerbo¹, Koualy Sanogo², Mahamadou Kaya², Hama Yalcouye², Oumar M Dicko², Kalifa Diarra², Ismaila Thera², Alassane Haro¹, Seydou Traore², Almahamadou Mahamar², Halimatou Diawara², Amagana Dolo², Irene Kuepfer⁴, Paul Snell⁴, Jane Grant⁴, Jayne Webster⁴, Paul Milligan⁴, Cynthia Lee⁵, Christian Ockenhouse⁵, Opokua Ofori-Anyinam⁶, Halidou Tinto¹, Abdoulaye Djimde², Daniel Chandramohan⁴, Brian Greenwood⁴

¹Institut de Recherche en Sciences de la Santé, Bobo-Dioulasso, Burkina Faso, ²Malaria Research & Training Centre, Bamako, Mali, ³INSTech, Bobo-Dioulasso, Burkina Faso, ⁴London School of Hygiene & Tropical Medicine, London, United Kingdom, ⁵PATH, Seattle, WA, United States, ⁶GSK Vaccines, Wavre, Belgium

12:25 p.m.

LB-8377

Additional PfCRT mutations driven by selective pressure for improved fitness can result in the loss of piperazine resistance and altered Plasmodium falciparum physiology

Laura M. Hagenah¹, Satish K. Dhingra¹, Jennifer L. Small-Saunders¹, Tarrick Qahash², Kyra A. Schindler¹, Gabriel W. Rangel², Eva Gil-Iturbe¹, Jonathan Kim¹, Emiliya Akhundova¹, Tomas Yeo¹, John Okombo¹, Filippo Mancina¹, Matthias Quick¹, Manuel Llinás², David A. Fidock¹

¹Columbia University, New York, NY, United States, ²Pennsylvania State University, Pennsylvania, PA, United States

12:35 p.m.

LB-8378

Final Results From a Phase 2b Randomized Controlled Trial Assessing the Efficacy and Impact of Full and Fractional Dose Regimens of the RTS,S/AS01_E Malaria Vaccine

Lawrence Osei-Tutu¹, on behalf of the RTS,S study group

¹Kwame Nkrumah University of Science & Technology/Agogo Presbyterian Hospital, Agogo, Ghana

12:45 p.m.

LB-8379

Safety, tolerability, pharmacokinetics, and antimalarial efficacy of a novel Plasmodium falciparum blood stage inhibitor MMV533: a first-in-human study and a volunteer infection study.

Andrea Kümmerle¹, Sam Jones¹, Amina Haouala¹, Catalina Barcelo¹, Denis Gossen², Michael Marx³, Ilaria Di Resta¹, Maja Szramovska⁴, Rebecca J. Webster⁵, Stacey Llewellyn⁵, David Fidock⁶, Bridget E. Barber⁵, Paul Griffin⁷, Jason Lickliter⁸, Benoit Bestgen¹, **Stephan A. Chalon**¹

¹Medicines for Malaria Venture, Geneva, Switzerland, ²Mangareva SRL, Kraainem, Belgium, ³ICON Clinical Research, Langen, Germany, ⁴Pharmakinetik Ltd, Nottingham, United Kingdom, ⁵QIMR, Brisbane, Australia, ⁶Columbia University, New York, NY, United States, ⁷The University of Queensland, Brisbane, Australia, ⁸Nucleus Network, Melbourne, Australia

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.

12:55 p.m.

LB-8380

Safety, Tolerability and Immunogenicity of Pfs230D1M-EPA/Matrix-M Vaccine, a Transmission Blocking Vaccine against *Plasmodium falciparum*, in Healthy Malian adults

Bourama Kamate¹, David Mack Cook², Bayaya Haidara¹, Judith Epstein², Abdoulaye Katile¹, Ousmane Poudiougou¹, Bakary Traore¹, Amatique Zeguime¹, Balla Diarra¹, Karim Bengaly¹, M'Bouye Doucoure¹, Kalifa Diarra¹, Amagana Dolo¹, Alemush Imeru², Kelly Rausch², David Narum², Bruce Swihart³, Sara Healy², Jennifer Hume², Yai Doritchamou², Jennifer Kwan⁴, Patrick Duffy², Issaka Sagara¹

¹Malaria Research and Training Center, Mali-NIAID ICER, University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, ²Laboratory of Malaria Immunology and Vaccinology, NIAID, NIH, Bethesda, MD, United States, ³Biostatistical Research Branch, NIAID, NIH, Bethesda, MD, United States, ⁴Laboratory of Clinical Immunology and Microbiology, NIAID, NIH, Bethesda, MD, United States

1:05 p.m.

LB-8381

Assessment of the treatment of uncomplicated *Plasmodium falciparum* malaria using artemether-lumefantrine in Niger: treatment efficacy and molecular markers of resistance, 2022

Kabirou Mama¹, Ibrahima Issa², Abou Yahaya¹, Sabo Haoua Seini¹, Ronan Jambou², Awa B Deme³, Tolla Ndiaye³, Djiby Sow³, Amy Gaye³, Bassirou Ngom³, Irene Cavros⁴, Eric Coulibaly⁵, Zilahatou Bahari-Tohon⁵, Jehan Ahmed⁶, Elisha Sanoussi⁷, Daniel Koko⁷, Daouda Ndiaye³, Ibrahim Maman Laminou²

¹Republic of Niger National Malaria Control Program, Niamey, Niger, ²Centre de Recherche Médicale et Sanitaire (CERMES), Niamey, Niger, ³Center for Research and Training in Applied Genomics and Health Surveillance (CIGASS), Dakar, Senegal, ⁴U.S. President's Malaria Initiative, Malaria Branch, U.S. Centers for Disease Control and Prevention, Atlanta, GA, United States, ⁵U.S. President's Malaria Initiative, USAID, Niamey, Niger, ⁶U.S. President's Malaria Initiative Impact Malaria Project, Washington, DC, United States, ⁷U.S. President's Malaria Initiative Impact Malaria Project, Niamey, Niger

1:15 p.m.

LB-8382

Dihydroartemisinin-Piperaquine (DP) or Sulphadoxine-Pyrimethamine (SP) for the Chemoprevention of Malaria in Children with Sickle Cell Anaemia in Eastern and Southern Africa; a double-blind, randomised trial (CHEMCHA)

Richard Idro¹, Thandile Gondwe², Robert Opoka³, John Ssenkusu¹, Dennis Kalibbala³, Lufina Tsirizani⁴, Pamela Akun¹, Joseph Rujumba¹, Winnie Nambatya¹, Carol Kamya⁵, Nomsa Phiri⁴, Roeland Wasmann⁶, Paolo Denti⁶, Feiko TerKuile⁷, Bjarne Robberstad⁵, Kamija Phiri²

¹Makerere University College of Health Sciences, Kampala, Uganda, ²Kamuzu University of Health Sciences, Blantyre, Malawi, ³Global Health Uganda, Kampala, Uganda, ⁴Training and Research Unit of Excellence, Blantyre, Malawi, ⁵University of Bergen, Bergen, Norway, ⁶University of Cape Town, Cape Town, South Africa, ⁷Liverpool School of Tropical Medicine, Liverpool, United Kingdom

Late-Breaker Abstract Session 119
Late-Breakers in Virology
Grand Ballroom L – Ballroom Level (East Tower)
Saturday, October 21, 11:15 a.m. - 12:30 p.m.

CHAIR

Noreen A. Hynes
Johns Hopkins School of Medicine, Baltimore, MD, United States

Wei-Kung Wang
John A. Burns School of Medicine, University of Hawaii at Manoa, Honolulu, HI, United States

11:15 a.m.

LB-8568

Maternal SARS-CoV-2 alters stemness of placental derived mesenchymal stem cells

Mairim Alexandra Solis, Sandra López-Vérges, Cindy Fu, Erika Guerrero, Yanelys Jaen, Melissa Gaitan, Maria Chen-German, Dimelza Arauz, Jaime Sanchez, Paulino Vigil-De Gracia, Rodrigo Villalobos, Shantal Vega, Lisseth Saenz, Hedley Quintana, Julio Delgado
Gorgas Memorial Institute for Health Studies, Panama, Panama

11:25 a.m.

LB-8569

Determining the baseline dengue serostatus among Dengvaxia recipients in the Philippines and identification of children with an increased risk for symptomatic dengue

Yu-Ching Dai¹, Ava K. Sy², Mario Jiz³, Jih-Jin Tsai⁴, Joan Bato⁵, Mary A. Quinoñes⁵, Mary Anne Joy Reyes⁵, **Wei-Kung Wang**¹
¹*John A. Burns School of Medicine, University of Hawaii at Manoa, Honolulu, HI, United States*, ²*National Reference Laboratory for Dengue and Other Arbovirus, Virology Department, Research Institute for Tropical Medicine, Muntinlu, Philippines*, ³*Immunology Department, Research Institute for Tropical Medicine, Muntinlupa City, Philippines*, ⁴*Tropical Medicine Center, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan*, ⁵*Virology Department, Research Institute for Tropical Medicine, Muntinlupa City, Philippines*

11:35 a.m.

LB-8570

Rationale for multivalent alphavirus vaccine delivery

Whitney C. Weber¹, Takeshi F. Andoh¹, Michael Denton¹, Igor Dmitriev², Craig N. Kreklywich¹, Magdalene M. Streblow¹, John M. Powers¹, Zachary Streblow¹, Samuel Medica¹, David Curiel², Daniel N. Streblow¹
¹*Oregon Health and Science University, Beaverton, OR, United States*, ²*Washington University, St. Louis, MO, United States*

11:45 a.m.

LB-8571

SARS-CoV-2 spike protein induces endothelial cell dysfunction and thromboinflammation in human in vitro microvascular barrier models.

Connor Perry, Yuri Kim, Paul Blair, Eric Laing, Stephen J. Dumler
Uniformed Services University of the Health Sciences, Bethesda, MD, United States

11:55 a.m.

LB-8572

Development of a controlled Zika human infection model (CHIM)

Anna P. Durbin¹, Lauren McDonald¹, Rachel Hampton¹, Beulah Sabundayo¹, Megan McKnight¹, Lina Moscarella¹, Xi Fang¹, Jeffrey Mayfield¹, Huili He¹, Candy Alacantara¹, Stephen S. Whitehead²
¹*Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States*, ²*National Institutes of Health, Bethesda, MD, United States*

Late-Breaker Abstract Session 119

Late-Breakers in Virology

Grand Ballroom L – Ballroom Level (East Tower)

Saturday, October 21, 11:15 a.m. - 12:30 p.m.

12:05 p.m.

LB-8573

Factors associated with SARS COV-2 vaccination uptake among pregnant women in Western Kenya.

Gregory Ouma¹, Victor Akelo², Broline Asuma¹, Sammy Khagayi¹, Joyce Were¹, Dickson Gethi¹, Kephas Otieno¹, Maryanne Nyanjom¹, Richard Omoro¹, Dickens Onyango³, Beth A. Tippet Barr⁴

¹*Kenya Medical Research Institute, Centre for Global Health Research, Kisumu, Kenya*, ²*Liverpool School of Tropical Medicine, Kisumu, Kenya*, ³*Kisumu County Health Department, Kisumu, Kenya*, ⁴*Nyanja Health Research Institute, Salima, Malawi*

12:15 p.m.

LB-8574

Sequelae of Nipah virus infection and longevity of antibody titers among Nipah survivors of Bangladesh

Wasik Rahman Aquib¹, Utpal Kumar Mondal¹, Md Badrul Islam¹, Arifa Nazneen¹, Dewan Imtiaz Rahman¹, Shadman Sakib Choudhury¹, Fateha Akther Ema¹, Tonmoy Sarkar¹, S. M. Zafor Shafique¹, Ariful Islam¹, Arifur Rahman Bablu¹, Muhammad Rashedul Alam¹, Nazrul Islam¹, Md. Kamal Hossain¹, Ayesha Siddika¹, Carolyn Clark², Vijay Zala², Michael Selorm Avumegah², Neil Cherian², Kamal Ibne Amin Chowdhury¹, Sharmin Sultana³, John D. Klens⁴, Mohammed Ziaur Rahman¹, Mustafizur Rahman¹, Stephen P. Luby⁵, Joel M. Montgomery⁴, Tahmina Shirin³, Sayera Banu¹, Syed Moinuddin Satter¹
¹*icddr, Dhaka, Bangladesh*, ²*Coalition for Epidemic Preparedness Innovations (CEPI), Oslo, Norway*, ³*Institute of Epidemiology, Diseases Control and Research (IEDCR), Dhaka, Bangladesh*, ⁴*Viral Special Pathogens Branch, Division of High Consequence Pathogens and Pathology, Centers for Disease Control and Prevention (CDC), Atlanta, GA, United States*, ⁵*Stanford University, Dhaka, CA, United States*

Poster Session 27

Poster Session A Presentations

Thursday, October 19, 2023, Noon - 1:45 pm

Grand Hall GHI – Ballroom Level (East Tower)

Late-Breakers in Basic Sciences

Basic Sciences - Arthropods/Entomology	#LB-8000 through LB-8012
Basic Sciences - Bacteriology and Diarrhea.....	#LB-8013 through LB-8014
Basic Sciences – Cestodes	#LB-8015
Basic Sciences – Basic Sciences - Helminths - Nematodes	#LB-8016 through LB-8018
Basic Sciences - HIV and Tropical Co-Infections	#LB-8019 Through LB-8020
Basic Sciences – Malaria	#LB-8021 through LB-8049
Basic Sciences - Viruses (all other viruses)	#LB-8050 through LB -8060

Late-Breakers in Clinical and Applied Sciences

Clinical and Applied Sciences - Global Health	#LB-8061 through LB-8080
Clinical and Applied Sciences – Cestodes	#LB-8081 through LB-8084
Clinical and Applied Sciences - Helminths - Nematodes	#LB-8085 through LB-8093
Clinical and Applied Sciences - Integrated Control Measures for Neglected Tropical Diseases (NTDs)	#LB-8094 through LB-8103
Clinical and Applied Sciences - Kinetoplastida and Other Protozoa.....	#LB-8104 through LB-8108
Clinical and Applied Sciences - Malaria	#LB-8109 through LB-8150
Clinical and Applied Sciences - One Health: The Interconnection between People, Animals, Plants and Their Shared Environment.....	#LB-8151 through LB-8160
Clinical and Applied Sciences – Trematodes	#LB-8061 through LB-8162
Clinical and Applied Sciences - Viruses (all other viruses)	#LB-8063 through LB-8180

LB-8000

The Sand Fly Fauna and Leishmaniasis in the Konso District of South-Western Ethiopia

Abib Berhanu¹, Habte Tekie¹, Esayas Aklilu², Araya Gebresilassie¹, Asrat Hailu³

¹College of Natural and Computational Sciences, Department of Zoological Sciences, Insect Science Stream, Addis Ababa University., Addis Ababa, Ethiopia, ²Aklilu Lemma Institute of Pathobiology, Addis Ababa University,, Addis Ababa, Ethiopia, ³College of Health Sciences, Addis Ababa University, Addis Ababa, Ethiopia

LB-8001

Neglectin, a salivary lipocalin-like from *Rhodnius neglectus*, scavenges pro-hemostatic and immune mediators to facilitate blood feeding

Kaio Luis da Silva Bentes¹, Paola Carolina Valenzuela Leon¹, Adeline Williams¹, Paula Beatriz Santiago², Jaime Martins de Santana², Carla Nunes de Araujo², Eric Calvo¹

¹National Institutes of Health, Rockville, MD, United States, ²University of Brasilia, Brasilia, Brazil

LB-8002

Fine-scale adaptive divergence of *Aedes aegypti* in heterogeneous landscapes and among climatic conditions in Metropolitan Manila, Philippines

Atikah Fitria Muharromah¹, Maria Angenica F Regilme¹, Thaddeus M Carvajal², Kozo Watanabe¹
¹Ehime University, Matsuyama, Japan, ²De La Salle University, Manila, Philippines

LB-8003

Mapping of malaria, chagas and leishmaniasis vectors, in Margarita island, Nueva Esparta, Venezuela: Opportunities for integrated vector control management

Melquíades Moreno¹, Luisa Elena Figueroa Acosta², **Sergio Lopes**³, Joana Sá³, Gonçalo Alves³
¹Iniciativa Mentor, Caracas, Bolivarian Republic of Venezuela, ²Institute of Higher Studies Dr. Arnoldo Gabaldon, Maracay, Bolivarian Republic of Venezuela, ³The Mentor Initiative, Haywards Heath, United Kingdom

Poster Session A Presentations

Thursday, October 19, 2023, Noon - 1:45 pm

Grand Hall GHI – Ballroom Level (East Tower)

LB-8004

The Effect of Seasonal Temperature Change and Geospatial Factors on Mosquito West Nile Virus Infection in Columbia, South Carolina

Elba Sofia Miriam Fridriksson*, Laura Witt*, Huixuan Li, Kyndall Dye Braumuller, Melissa Nolan
University of South Carolina, Columbia, SC, United States

LB-8005

Assessing strain-specific differences between Powassan virus lineage II isolates in a mouse model

Julia C. Pritchard¹, Anna S. Jaeger¹, Rachel E. Lange², Alan P. Dupuis II³, Alexander T. Ciota², Matthew T. Aliota¹
¹*University of Minnesota, St Paul, MN, United States*, ²*SUNY Albany School of Public Health, Albany, NY, United States*, ³*Wadsworth Center, Slingerlands, NY, United States*

LB-8006

Developmental dynamics of the 3D genome architecture in a malaria mosquito

Varvara Lukyanchikova¹, Ilya Brusentsov², **Igor V. Sharakhov**¹
¹*Virginia Tech, Blacksburg, VA, United States*, ²*Institute of Cytology and Genetics, Novosibirsk, Russian Federation*

LB-8007

Population Genetics and Metagenomics of the Sand Fly Vector of Leishmania using Updated Genome Assemblies of Phlebotomus papatasi and Lutzomyia longipalpis

Michelle S. Huang¹, Daniel J. Bruzzese², Douglas A. Shoue¹, Jeffrey L. Feder¹, Stephen Richards³, Mary Ann McDowell¹
¹*University of Notre Dame, Notre Dame, IN, United States*, ²*Yale School of Medicine, New Haven, CT, United States*, ³*Baylor College of Medicine, Houston, TX, United States*

LB-8008

Novel insights into mosquito anatomy, development, and host-parasite interaction, using synchrotron X-ray microtomography.

Irene Arnoldi, Marta Villa, Matteo Brilli, Ilaria Varotto Boccazzi, Claudio Bandi, Sara Epis, **PAOLO GABRIELI**
University of Milan, Milan, Italy

LB-8009

Introduction and spread of the alien mosquito Aedes koreicus in Italy: cues from population genetic studies

Laura Soresinetti, Irene Arnoldi, Agata Negri, Giovanni Naro, Claudio Bandi, Paolo Gabrieli, **SARA EPIS**
Università degli Studi di Milano, MILAN, Italy

LB-8010

Amplicon Sequencing Using High-Throughput Barcoding Identifies Novel Mutations in Insecticide Resistance Genes in Pyrethroid Resistant Anopheles gambiae s.l. from The Democratic Republic of Congo in 2020.

Bethanie Pelloquin¹, Fiacre Agossa², Tiffany Clark², Sheila B. Ogoma², Narcisse Basosila³, Eric Mukomena³, Emile Zola Manzambi⁴, Francis Watsenga⁴, Yibayiri O. Sanogo⁵, Thomas Walker⁶, Louisa Messenger⁷
¹*London School of Hygiene and Tropical Medicine, London, United Kingdom*, ²*USAID President's Malaria Initiative, VectorLink Project, Abt Associates, Rockville, MD, United States*, ³*National Malaria Control Program, Kinshasa, Democratic Republic of the Congo*, ⁴*Institut National de Recherche Biomédicale, Kinshasa, Democratic Republic of the Congo*, ⁵*U.S. President's Malaria Initiative, US Centers for Disease Control and Prevention, Kinshasa, Democratic Republic of the Congo*, ⁶*University of Warwick, Coventry, United Kingdom*, ⁷*University of Nevada, Las Vegas, Las Vegas, NV, United States*

LB-8011

Entomological Adaptive Sampling Framework

Christian Atta-Obeng¹, Otubea Akrofi¹, Samuel Oppong¹, Ernest Boampong¹, Keziah Malm¹, Steven Gowelo², Mercy Opiyo², Allison Tatarsky², Élodie Vajda², Edward Thomsen², Luigi Sedda³, Neil Lobo⁴
¹*National Malaria Elimination Program-Ghana, Accra, Ghana*, ²*Malaria Elimination Initiative (MEI), University of California, San Francisco, USA, San Francisco, CA, United States*, ³*Lancaster University, Lancaster, United Kingdom*, ⁴*Eck Institute for Global Health, University Of Notre Dame, Notre Dame, IN, USA, Indiana, IN, United States*

Poster Session A Presentations

Thursday, October 19, 2023, Noon - 1:45 pm
Grand Hall GHI – Ballroom Level (East Tower)

LB-8012

Seasonal effects of species composition of hemorrhagic fever virus vector populations in the Matam and Thiès regions of Senegal

Mame Thierno Bakhoun¹, Mamadou Lamine Djiba¹, Thialaw Sarr¹, Abdou Samath Thiall¹, Gorgui Diouf¹, Moussa Fall¹, Mamadou Ciss¹, Modou Moustapha Lo¹, Jessica Radzio-Basu², Assane Gueye Fall¹
¹Institut Sénégalais de Recherches Agricoles (ISRA), Dakar, Senegal, ²The Pennsylvania State University, University Park, PA, United States

LB-8013

Reactive and preventive vaccination to control the upsurge of cholera in hotspots in Bangladesh and the way beyond

Firdausi Qadri
icddr,b, Dhaka, Bangladesh

LB-8014

Better existing WASH practices in urban slums associated with a lower long-term risk of severe Enterotoxigenic Escherichia coli (ETEC) - evaluation from a prospective cohort study with 4 years of follow-up in Mirpur, Bangladesh

Fahima Chowdhury, Afroza Akter, Imam Tauheed, Faisal Ahmmed, Md. Golam Firoj, Firdausi Qadri
icddr,b, Dhaka, Bangladesh

LB-8015

TIME-COURSE TRANSCRIPTOMIC ANALYSIS OF RAT BRAIN TISSUES WITH NEUROCYSTICERCOSIS TREATED AND NON-TREATED WITH ANTIPARASITIC: AN INSIGHT FOR DRUG REPOSITIONING

Omar Melo¹, Oksana Huerta¹, Karla Villalobos¹, Nancy Chile¹, Manuela Verastegui¹, Robert Gilman²
¹Infectious Diseases Laboratory Research-LID, Faculty of Science and Philosophy, Alberto Cazorla Talleri, Universidad Peruana Cayetano Heredia, Lima, Peru, ²The Department of International Health, Bloomberg School of Hygiene and Public Health, Johns Hopkins University, Baltimore, MD, United States

LB-8016

Isolation and proteomic analysis of extracellular vesicles from zoonotic Toxocara canis and Toxocara cati nematodes

Timothy Kevin Wu¹, Janice L. Liotta¹, William J. Sears², Erich M. Schwarz¹, Dwight D. Bowman¹
¹Cornell University, Ithaca, NY, United States, ²National Institute of Allergy and Infectious Disease, Bethesda, MD, United States

LB-8017

Target molecules of Bacillus thuringiensis crystal proteins and anthelmintic compounds in C. elegans

Youmie Kim, Mostafa Elfawal, Emily Goetz, Raffi Aroian
University of Massachusetts Chan Medical School, Worcester, MA, United States

LB-8018

Model-based geostatistical design and analysis of prevalence for soil-transmitted helminths and schistosomiasis in Kenya: Results from ten years of the Kenya national school-based deworming programme

Collins Okoyo¹, Mark Minnery², Idah Orowe³, Chrispin Owaga⁴, Suzy J. Campbell², Christin Wambugu⁵, Nereah Olick⁶, Jane Hagemann², Wyckliff P. Omondi⁵, Paul M. Gichuki¹, Kate McCracken², Antonio Montresor⁷, Graham F. Medley⁸, Claudio Fronterre⁹, Peter Diggle⁹, Charles Mwandawiro¹
¹Kenya Medical Research Institute, Nairobi, Kenya, ²Evidence Action, Washington DC, WA, United States, ³University of Nairobi, Nairobi, Kenya, ⁴Evidence Action, Nairobi, Kenya, ⁵Ministry of Health, Nairobi, Kenya, ⁶Ministry of Education, Nairobi, Kenya, ⁷World Health Organization, Geneva, Switzerland, ⁸London School of Hygiene and Tropical Medicine, London, United Kingdom, ⁹Lancaster University, Lancaster, United Kingdom

Poster Session A Presentations

Thursday, October 19, 2023, Noon - 1:45 pm
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LB-8019

A prospective observational cohort study of people living with HIV in Indonesia (INA-PROACTIVE): baseline characteristics and one-year mortality

Evy Yuniastuti¹, Rudi Wisaksana², Nia Kurniati³, Dona Arlinda⁴, **Nugroho Harry Susanto**⁵, Dewi Lokida⁵, Herman Kosasih⁵, Lois Irene Bang⁵, Melinda Setyaningrum⁵, Eppy Eppy⁶, Wiwit Agung Sri Nur Cahyawati⁷, Emon Winardi Danudirgo⁸, I Made Gede Darmaja⁹, Nur Farhanah¹⁰, Carta Agrawanto Gunawan¹¹, Usman Hadi¹², Teguh S. Hartono¹³, Kurnia Fitri Jamil¹⁴, Sudirman Katu¹⁵, Tambar Kembaren¹⁶, I Gede Rai Kosa¹⁷, Danang Legowo Norosingomurti¹⁸, Asep Purnama¹⁹, Ida Savitri Laksanawati²⁰, I Ketut Agus Somia²¹, Ivan Lombun Toruan²², Renee Ridzon²³, C Jason Liang²³, Aaron T. Neal²³, Ray Y. Chen²³, Muhammad Karyana⁴, Tuti Parwati Merati²⁴
¹Faculty of Medicine Universitas Indonesia, Jakarta, Indonesia, ²Padjadjaran University, Clinical Infectious Diseases Research Centre, Bandung, Indonesia, ³Dr. Cipto Mangunkusumo National Central Public Hospital, Jakarta, Indonesia, ⁴Health Policy Agency, Ministry of Health, Jakarta, Indonesia, ⁵INA-RESPOND, Jakarta, Indonesia, ⁶Persahabatan Central General Hospital, Jakarta, Indonesia, ⁷Dr Moch Ansari Saleh Hospital, Banjarmasin, Indonesia, ⁸St Carolus Hospital, Jakarta, Indonesia, ⁹Abepura Regional General Hospital, Jayapura, Indonesia, ¹⁰Dr Kariadi General Hospital, Semarang, Indonesia, ¹¹Abdoel Wahab Sjahranie Hospital, Samarinda, Indonesia, ¹²Dr. Soetomo General Academic Teaching Hospital, Surabaya, Indonesia, ¹³Prof. Dr. Sulianti Saroso Infectious Disease Hospital, Jakarta, Indonesia, ¹⁴Dr. Zainoel Abidin Hospital, Banda Aceh, Indonesia, ¹⁵Dr Wahidin Sudirohusodo Hospital, Makassar, Indonesia, ¹⁶Dr. H. Adam Malik Hospital, Medan, Indonesia, ¹⁷Tangerang General Hospital, Tangerang, Indonesia, ¹⁸Budi Kemuliaan Hospital, Batam, Indonesia, ¹⁹Dr.T.C. Hillers Public Hospital, Uneng, Indonesia, ²⁰Dr Sardjito Central General Hospital, Sleman, Indonesia, ²¹Prof. dr. I.G.N.G. Ngoerah General Hospital / Udayana University, Denpasar, Indonesia, ²²Dr Soedarso Hospital, Pontianak, Indonesia, ²³National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States, ²⁴Sanglah Hospital, Internal Medicine, Denpasar, Indonesia

LB-8020

Late presentation among people living with HIV (PLWH) at 19 referral hospitals in Indonesia: analysis of the prospective observational cohort study on PLWH and risk related coinfections/comorbidities in Indonesia (INA-PROACTIVE)

Dona Arlinda¹, Nugroho Harry Susanto², Emmanuelle Papot³, Deborah Cromer³, Herman Kosasih², Rudi Wisaksana⁴, Evy Yuniastuti⁵, Eka Windari Rusman²,

Meity Herawati Siahaan², Anggraini Alam⁶, Desrinawati M Amin⁷, Vitanata Arfijanto⁸, Arif Budiman⁹, Eppy Eppy¹⁰, Nur Farhanah¹¹, Kurnia Fitri Jamil¹², Nia Kurniati¹³, Dwi Kurniawan¹⁴, Muchamad Budi Nugroho¹⁵, Ninny Meutia Pelupesy¹⁶, Nelly E Samosir¹⁷, Dwiana Savitri¹⁸, Yanri Wijayanti Subronto¹⁹, Widya Amalia Swastika²⁰, Deborah Theresia²¹, I Made Susila Utama²², Sri Wahyunie²³, Willy Anthony Ignatius Wullur²⁴, Renee Ridzon²⁵, C Jason Liang²⁵, Aaron T Neal²⁵, Ray Y Chen²⁵, Muhammad Karyana¹, Tuti Parwati Merati²⁶
¹Health Policy Agency, Ministry of Health of Indonesia, Central Jakarta, Indonesia, ²Indonesia Research Partnership on Infectious Diseases (INA-RESPOND), Central Jakarta, Indonesia, ³The Kirby Institute, Kensington, Australia, ⁴Padjadjaran University, Clinical Infectious Diseases Research Centre, Bandung, Indonesia, ⁵Faculty of Medicine Universitas Indonesia, Central Jakarta, Indonesia, ⁶Hasan Sadikin General Hospital, Bandung, Indonesia, ⁷Prof. Dr. Sulianti Saroso Infectious Disease Hospital, North Jakarta, Indonesia, ⁸Dr. Soetomo General Academic Teaching Hospital, Surabaya, Indonesia, ⁹Tangerang General Hospital, Tangerang, Indonesia, ¹⁰Persahabatan Central General Hospital, East Jakarta, Indonesia, ¹¹Dr. Kariadi General Hospital, Semarang, Indonesia, ¹²Dr. Zainoel Abidin Hospital, Banda Aceh, Indonesia, ¹³Dr. Cipto Mangunkusumo National Central Public Hospital, Central Jakarta, Indonesia, ¹⁴Dr.T.C. Hillers Public Hospital, Uneng, Indonesia, ¹⁵Dr Soedarso Hospital, Pontianak, Indonesia, ¹⁶Dr Wahidin Sudirohusodo Hospital, Makassar, Indonesia, ¹⁷Dr. H. Adam Malik Hospital, Medan, Indonesia, ¹⁸Dr. Moch. Ansari Saleh Hospital, Banjarmasin, Indonesia, ¹⁹Dr Sardjito Central General Hospital, Sleman, Indonesia, ²⁰Abepura Regional General Hospital, Jayapura, Indonesia, ²¹St. Carolus Hospital, Central Jakarta, Indonesia, ²²Prof. dr. I.G.N.G. Ngoerah General Hospital / Udayana University, Denpasar, Indonesia, ²³Abdoel Wahab Sjahranie Hospital, Samarinda, Indonesia, ²⁴Budi Kemuliaan Hospital, Batam, Indonesia, ²⁵National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States, ²⁶Udayana University, Denpasar, Indonesia

LB-8021

Malaria gametocytes production in the Wave Bioreactor: Optimizing yields and quantification protocols

Amel O.A Ahmed, Standwell C. Nkhoma, Sujatha Rashid, Rebecca Bradford, Robert E. Molestina ATCC Federal Solutions, American Type Culture Collection, Manassas, VA, United States

Poster Session A Presentations

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LB-8022

Implementation of aP. falciparumNF54´Cam3.II genetic cross and the identification of candidate determinants for parasite resistance to quinine and chloroquine

Mariko Kanai¹, Sachel Mok¹, Tomas Yeo¹, Melanie J. Shears², Leila S. Ross¹, Jin H. Jeon¹, Sunil Narwak¹, Meseret T. Haile¹, Abhai K. Tripathi², Godfree Mlambo², John Okombo¹, Jonathan Kim¹, Kate J. Fairhurst¹, Eva Gil-Turbe¹, Talia Bloxham¹, Jessica L. Bridgford¹, Heekuk Park¹, Felix D. Rozenberg¹, Filippo Mancía¹, Matthias Quick¹, Marcus CS Lee³, Jennifer L. Small-Saunders¹, Anne-Catrin Uhlemann¹, Photini Sinnis², **David A. Fidock**¹

¹Columbia University Medical Center, New York, NY, United States, ²Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, ³University of Dundee, Dundee, United Kingdom

LB-8023

Malaria Vector Species Composition and transmission intensity in Mainland Tanzania: Data from the National Sentinel Sites

Charles Dismas Mwalimu¹, Samson Kiware², Rose Nshama¹, Yahya Derua³, Penda Machafuko⁴, Victor Mwingira³, Victoria Githu², Brian Masanja², Edward Sambu³, Bernard Batengana³, Johnson Matowo⁵, Nicodem Govella⁶, Prosper Chaki⁷, Samwel Lazaro¹, Naomi Serbantez⁸, Jovin Kitau⁹, Stephen Magesa⁷, William Kisinza³

¹Ministry of Health, Dodoma, United Republic of Tanzania, ²Ifakara Health Institute, Dar es salaam, United Republic of Tanzania, ³National Institute for Medical Research, Tanga, United Republic of Tanzania, ⁴National Institute for Medical Research, Dodoma, United Republic of Tanzania, ⁵Kilimanjaro Christian Medical University College, Moshi, United Republic of Tanzania, ⁶Population Services International, Dar es salaam, United Republic of Tanzania, ⁷Pan African Mosquito Control Association (PAMCA), Dar es salaam, United Republic of Tanzania, ⁸US President´s Malaria Initiative, United States Agency for International Development, Dar es salaam, United Republic of Tanzania, ⁹World Health Organization, Country office, Dar es salaam, United Republic of Tanzania

LB-8024

Behavioral Norms around Water Gathering and Usage in an Arid Malaria-Endemic Setting

Emily Robie¹, Vanessa Clairmont¹, George Ambani², Diana Menya³, Wendy Prudhomme-O'Meara¹

¹Duke University, Durham, NC, United States, ²Academic Model Providing Access to

Healthcare, Eldoret, Kenya, ³Department of Epidemiology and Medical Statistics, School of Public Health, College of Health Sciences, Moi University, Eldoret, Kenya

LB-8025

Impact of PBO Nets distribution on Malaria incidence in Rwanda, case of NYARUGURU District

Yvette MUYIRUKAZI, Jean Louis Ndikumana Mangara, Emmanue Hakizimana, Michee Semugunzu Kabera
Rwanda Biomedical Center, Kigali, Rwanda

LB-8026

MAM01 and L9LS Demonstrate Equipotent Protection Against Plasmodium falciparum (Pf) Malaria Infection in Mice

Yvel Flores-Garcia¹, Shamika Mathis-Torres¹, Minah Park¹, Kayla Andrews², Robert Seder³, Upendra Argikar², Scott Miller², Jared Silverman², Fidel Zavala¹
¹Bloomberg School of Public Health, Malaria Research Unit, Johns Hopkins University, Baltimore, MD, United States, ²Bill & Melinda Gates Medical Research Institute, Cambridge, MA, United States, ³National Institutes of Health, Bethesda, MD, United States

LB-8027

Generation and selection of single-chain fragment variable (scFv) antibodies targeting Plasmodium falciparum and Plasmodium vivax antigens using cell-free ribosome display

Adinarayana Kunamneni, Skye McMorris, Christian Ogauguwu, Ravi Durvasula, Yash Gupta
Mayo Clinic, Jacksonville, FL, United States

LB-8028

Differential expression of co-inhibitory molecule on Tr1 cells influence the severity of P. falciparum malaria

Thomas Jacobs¹, Lea Kaminski¹, John Amuasi², Oumu Maiga-Ascofare³, Maria Mackroth¹
¹Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany, ²Kumasi Centre for Collaborative Research, Global Health and Infectious Diseases Group,, Kumasi, Ghana, ³Kumasi Centre for Collaborative Research, Hamburg, Germany

Poster Session A Presentations

Thursday, October 19, 2023, Noon - 1:45 pm

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LB-8029**Characterizing the Ubiquitin Proteasome System and stress response pathways in *Plasmodium falciparum***

Shubha Bevkal Subramanyaswamy, Gourab Paul, Daqiang Li, Gang Lin, Laura Kirkman
Weill Cornell Medicine, New York, NY, United States

LB-8030***Plasmodium chabaudi chabaudi* lethality, chronic infection and re-infection in Thicket Rats: a natural host-parasite model of malaria pathogenesis and immunity**

Solomon Conteh, Alaysies Queen, Myesha Singleton, Lynn E. Lambert, J. Patrick Gorres, Patrick E. Duffy
National Institute of Allergy and Infectious Diseases, National Institutes of Health (NIAID/NIH), Bethesda, MD, United States

LB-8031**Preclinical evaluation of recombinant full-length VAR2CSA, a leading placental malaria vaccine candidate**

Jonathan P. Renn, Justin Y. A. Doritchamou, Robert D. Morrison, Matthew V. Cowles, Martin Burkhardt, Nada Alani, Min Su Cho, Holly M. Torano, Emma K. Barnafo, Brandi Butler, Tarik Ouahes, Kelly M. Rausch, Sachy Orr-Gonzalez, Lynn E. Lambert, Michal Fried, Patrick E. Duffy
National Institutes of Health, Bethesda, MD, United States

LB-8032**Impact of human genetic polymorphisms associated with severe malaria on RTS,S vaccine efficacy**

Karamoko Niare¹, Varun Goel², David Dosoo³, Rebecca Defeo¹, Griffin J. Bell⁴, Benedicta Mensah⁵, Bright Adu⁵, Paulin Essone⁶, Musah Osei³, Kenneth Wiru³, Tisungane Mvalo⁷, Selidji Todagbe Agnandji⁶, Kwaku Poku Asante³, Michael Emch², Jonathan J. Juliano⁴, Anita Ghansah⁵, Jeffrey A. Bailey¹
¹Brown University, Providence, RI, United States, ²Carolina Population Center, University of North Carolina, Chapel Hill, NC, United States, ³Kintampo Health Research Centre, Kintampo, Ghana, ⁴Department of Epidemiology, Gillings School of Global Public Health, University of North Carolina, Chapel Hill, NC, United States, ⁵Noguchi Memorial Institute for Medical Research, University of Ghana, Legon, Accra, Ghana, ⁶Centre de Recherches Médicales

de Lambaréné, Lambaréné, Gabon, ⁷University of North Carolina Project, Lilongwe, Malawi

LB-8033**Evidence of *Plasmodium vivax* circulation in western and eastern regions, implications for malaria control and elimination in Senegal.**

Aida Sadikh BADIANE¹, Amy GAYE¹, Bassirou NGOM¹, Tolla NDIAYE¹, James CAMPBELL², Aita SENE¹, Mamane Nassirou GARBA¹, Daouda NDIAYE¹, Davis NWAKANMA³, Jean LANGHORNE²
¹CIGASS, Dakar, Senegal, ²The Francis Crick Institute, London, United Kingdom, ³Medical Research Council Unit, Banjul, Gambia

LB-8034**Herbal formulations from Puerto Rican plants with potent antiplasmodial activity**

Claudia A. Ospina¹, Dorianmarie Vargas², Reydiliz Nieves¹, Adelfa E. Serrano²
¹Inter American University of Puerto Rico, Bayamon, PR, United States, ²University of Puerto Rico Medical Sciences Campus, San Juan, PR, United States

LB-8035**The impact of the anti-malarial monoclonal antibody CIS43LS on naturally acquired sporozoite-specific T cell responses in Malian adults**

Youngsil Seo¹, Hyeseon Cho¹, Hamidou Cisse¹, Jeff Skinner¹, Shanping Li¹, Mary E. Peterson¹, Ludmila Krymskaya², Aissata Ongoiba³, Safiatou Doumbo³, Kassoum Kayentao³, Boubacar Traore³, Stephen L. Hoffman⁴, Robert A. Seder⁵, Peter D. Crompton¹
¹Malaria Infection Biology and Immunity Section, Laboratory of Immunogenetics, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States, ²Laboratory of Immunogenetics, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States, ³Mali International Center of Excellence in Research, University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, ⁴Sanaria, Rockville, MD, United States, ⁵Vaccine Research Center, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States

LB-8036**The role of parasite proteostasis in *Plasmodium falciparum* artemisinin resistance**

Melissa R. Rosenthal, Alaina M. Mann, **Caroline L. Ng**
University of Nebraska Medical Center, Omaha, NE, United States

Poster Session A Presentations

Thursday, October 19, 2023, Noon - 1:45 pm
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LB-8037

Natural killer cells alter their expression to modulate response to differing antibody affinities in malaria infection

Benjamin T. Ben Zandstra, Geoffrey Hart, Jenna Dick, Jules Sangala
University of Minnesota, Minneapolis, MN, United States

LB-8038

Detection of Plasmodium falciparum and P. vivax ps47 immune regulating gene in infected Anopheles stephensi

Elizabeth Waymire¹, Dejene Getachew², Solomon Yared³, Madison Follis¹, Grace Lloyd¹, Avery Kaye¹, Sarah Zohdy⁴, Tamar E. Carter¹
¹Baylor University, Waco, TX, United States, ²Adama Science and Technology University, Adama, Ethiopia, ³Jijiga University, Jijiga, Ethiopia, ⁴Centers for Disease Control and Prevention, Atlanta, GA, United States

LB-8039

First liver and blood stage infection of Saimiri boliviensis and Saimiri sciureus by inoculation of purified, cryopreserved Sanaria® Plasmodium vivax sporozoites (PvSPZ)

Faith I. Onditi¹, Lynn E. E. Lambert¹, Tarik C. C. Ouahes¹, Sachy Orr-Gonzalez¹, Jillian V. Neal¹, Sumana Chakravarty², Eric James², B. Kim Lee Sim², Stephen L. Hoffman², Patrick E. Duffy¹
¹National Institute of Health (NIH), Bethesda, MD, United States, ²Sanaria Inc., Bethesda, MD, United States

LB-8040

Plasmodium falciparum infection and naturally acquired immunity to malaria antigens among Ghanaian children in Northern Ghana

Helena Lamptey¹, Zakaria Seidu², Mary Lopez-Perez³, Nora Owusuwaa Whittle¹, Stephen Kwesi Oppong¹, Eric Kyei-Baafour¹, Abigail Naa Adjorkor Pobee¹, George Obeng Adjei⁴, Lars Hviid³, Michael F. Ofori¹
¹Noguchi Memorial Institute for Medical Research, University of Ghana, Accra, Ghana, ²West Africa Centre for Cell Biology of Infectious Pathogens, Department of Biochemistry, Cell and Molecular Biology, University of Ghana, Accra Ghana, Accra, Ghana, ³Centre for Medical Parasitology at Department of Immunology and Microbiology, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark,

Copenhagen, Denmark, ⁴Centre for Tropical Clinical Pharmacology and Therapeutics, School of Medicine and Dentistry, College of Health Sciences, University of Ghana, Korle-Bu, Ghana, Accra, Ghana

LB-8041

Exploring uncharted bis-quinolines - potent antimalarials against multi-drug resistant P. falciparum.

Mason James Handford¹, Yuexin Li², Terry Riscoe², Michael K. Riscoe¹
¹Oregon Health and Science University, Portland, OR, United States, ²Portland VA Medical Center, Portland, OR, United States

LB-8042

Assessing the quality of routine malaria surveillance confirmed case data in DRC using artificial intelligence based RDT readers

Michael Humes¹, Erick Tshhikamba², Curtis Mukumba³, Johanna Karemere⁴, Eric Mukomena⁵, Hyacinthe Kaseya⁵, Packy Mbayo⁵, Soukeynatou Traore², Santiago Ferro⁶, Radina Soebiyanto¹
¹USAID - PMI, Washington, DC, United States, ²USAID - PMI, Kinshasa, Democratic Republic of the Congo, ³RTI, Kinshasa, Democratic Republic of the Congo, ⁴ICF International, Kinshasa, Democratic Republic of the Congo, ⁵NMCP, Kinshasa, Democratic Republic of the Congo, ⁶Fionet, Toronto, ON, Canada

LB-8043

Capacity building for district-led improvement of stock management and redistribution of commodities efficiently supports adherence to malaria test & treat guidelines in West Nile, Uganda

Alex Ojaku¹, Constance Agwang¹, Keneth Mondua², Mark Uyungurwoth³, Sandra Djalle Incardona¹, **Mariam Bahova**¹, Beulah Jayakumar¹, Joel Miti Tutu⁴, Edward Mugwanya⁵, Irene Ochola⁵, Benjamin Binagwa⁵
¹MCD Global Health, Silver Spring, MD, United States, ²Moyo district local government, Moyo, Uganda, ³Zombo district local government, Uganda, ⁴Ministry of Health/National Malaria Control Division, Kampala, Uganda, ⁵John Snow Inc, Boston, MA, United States

Poster Session A Presentations

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LB-8044

Improving availability of blood products for severe malaria management in Uganda: Lessons Learned from Strengthening Local Capacity for Community Blood Donations

Bridget Namubiru¹, Irene Ayaa Akot¹, Alex Ojaku¹, Sandra Djalle Incardona¹, Constance Agwang¹, Chris Mugenyi¹, Robert Abiriga², Gilbert Anguyo³, Paul Kaggwa⁴, Jimmy Opigo⁵, Edward Mugwanyana², Irene Ochola², **Mariam Bahova**¹, Benjamin Binagwa²
¹MCD Global Health, Silver Spring, MD, United States, ²John Snow Inc, Boston, MA, United States, ³Arua Regional Blood Bank, Arua, Uganda, ⁴Jinja Regional Blood Collection Centre, Jinja, Uganda, ⁵Ministry of Health/National Malaria Control Division, Kampala, Uganda

LB-8045

Identifying a new transmission-blocking candidate that targets *P. falciparum*BC₁

Juliana Calit¹, Bingbing Deng², Kazutoyo Miura², Carole A. Long², Kim Williamson³, Anna Caroline Aguiar⁴, Daniel Y. Bargieri¹
¹Institute of Biomedical Sciences, Sao Paulo, Brazil, ²Laboratory of Malaria and Vector Research, NIAID, NIH, Rockville, MD, United States, ³Department of Microbiology and Immunology, USUHS, Bethesda, MD, United States, ⁴Department of Bioscience, Federal University of Sao Paulo, Sao Paulo, Brazil

LB-8046

Assessing increasing trends in reported malaria cases and the effects of increased service utilization in the Democratic Republic of the Congo

Erick Tshhikamba¹, Radina Soebiyanto², Eric Mukomena³, Hyacinthe Kaseya³, Yves Ilunga⁴, Bruno Kapinga⁴, Soukeynatou Traore¹, Michael Humes²
¹USAID - PMI, Kinshasa, Democratic Republic of the Congo, ²USAID - PMI, Washington, DC, United States, ³NMCP, Kinshasa, Democratic Republic of the Congo, ⁴RTI, Kinshasa, Democratic Republic of the Congo

LB-8047

Evaluation of PfCDPK-5 as a novel anti-malarial vaccine candidate

Ahmad R. Shakri¹, Brett Sherman², Patrick E. Duffy³, Jonathan D. Kurtis², **Dipak K. Raj**¹
¹University of South Florida, Tampa, FL, United

States, ²Brown University, Providence, RI, United States, ³National Institute of Health, Bethesda, MD, United States

LB-8048

Fine scale variabilities in proportional of human exposure to malaria vector bites to inform tailoring and targeting interventions in Tanzania

Samson S. Kiware, Nicodem Govella
Ifakara Health Institute, Dar es salaam, United Republic of Tanzania

LB-8049

The effect of school-based social behaviour change communication intervention on the malaria status and net utilisation among households of schoolchildren

Anastasia I. Isodje¹, Khalidah Momodu¹, Edima Ottoho², Uduak Iwatt¹
¹Nigeria Liquefied Natural Gas LTD, Port Harcourt, Nigeria, ²Boston University, Boston, MA, United States

LB-8050

Effect of Zika virus on placental mesenchymal stem cells proliferation and differentiation

Dimelza Judith Araúz¹, Isbeth Laurin², Yanelis Jaén-Alvarado¹, Isela Guerrero¹, Lisseth Saézn¹, Solís Mairim¹, Lopez-Verges Sandra¹
¹Gorgas Memorial Institute for Health Studies, Panamá, Panama, ²University of Panama, Faculty of Natural and Exact Sciences,, Panamá, Panama

LB-8051

Spondweni virus infection in pregnant rhesus macaques causes prolonged viremia but no apparent fetal harm

Hunter Joseph Ries¹, Livia Romanov¹, Maria Charles¹, Chelsea Crooks¹, Carson DePagter¹, Alex Richardson², Grace VanSleet², Andrea Weiler², Eric Peterson², Michele Schotzko², Heather A. Simmons², Anna Jaeger³, Jenna Rosinski¹, Lauren Raasch¹, Patrick Barros Tiburcio¹, Christina Newman¹, David O'Connor¹, Matthew Aliota³, Thomas C. Friedrich¹
¹University of Wisconsin–Madison, Madison, WI, United States, ²Wisconsin National Primate Research Center, Madison, WI, United States, ³University of Minnesota, Twin Cities, Minneapolis, MN, United States

Poster Session A Presentations

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LB-8052

Evaluation of High-throughput Sequencing Approaches in Support of Marburg Virus Surveillance and Outbreak Response Preparedness

Andrea E. Luquette, Maren C. Fitzpatrick, J. Alexander Chitty, Hannah M. Drumm, Adrian C. Paskey, Regina Z. Cer, Francisco Malagon, Kimberly A. Bishop-Lilly
Naval Medical Research Center, Biological Defense Research Directorate, Frederick, MD, United States

LB-8053

Relationship between PIN3 16-bp Duplication of TP53 and HPV in HIV Women in Mali

Kadidiatou Cisse¹, Brehima Diakite¹, Yaya Kassogue¹, Ban Traore¹, Oumar kassogue¹, Idriss Djonouma¹, Bakarou Kamate¹, Cheick B. Traoré¹, Lifang Hou², Mamoudou Maiga²
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LB-8054

Papillomavirus typing in cervical cancer screening among HIV women in Bamako, Mali

Mamoudou Maiga, Idriss Djonouma, Brehima Diakite, Yaya kassogue, Ban Traore, Bakarou Kamate, Cheick B. Traore
University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali

LB-8055

A Systematic Review of Marburg Virus Disease outbreaks, mathematical models, and disease parameters

Gina Cuomo-Dannenburg¹, Kelly McCain¹, Ruth McCabe², H. Juliette T. Unwin¹, Patrick Doohan¹, Rebecca K. Nash¹, Joseph T. Hicks¹, Kelly Charniga¹, Cyril Geismar¹, Ben Lambert³, Dariya Nikitin¹, Janetta Skarp¹, Jack Wardle¹, Mara Kont¹, Sangeeta Bhatia¹, Natsuko Imai², Sabine L. van Elsland¹, Anne Cori¹, **Christian Morgenstern**¹
¹Imperial College London, London, United Kingdom, ²University of Oxford, Oxford, United Kingdom, ³University of Exeter, Exeter, United Kingdom

LB-8056

dPCR or qPCR? Identifying the Best Method for Early Chagas Disease Diagnostics

Kirsti R. Gilmore
University of South Carolina, Columbia, SC, United States

LB-8057

In vitro and in vivo characterization of Ilhéus virus: implications for emergence

Sasha R. Azar¹, Kenneth S. Plante², Jessica A. Plante², Divya P. Shinde², Dionna Scharton², Alice F. Versiani², Natalia I. Oliveira da Silva², Livia Sacchetto³, Erik B. Fokam⁴, Shannan L. Rossi², Scott C. Weaver², Rafael E. Marques⁵, Mauricio L. Nogueira³, Nikos Vasilakis²
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LB-8058

SARS-CoV-2 Seroprevalence over time from June 2020 to December 2022 in Mali, West Africa.

Boubacar Dembele¹, John Woodford², Oumar Attaher¹, Mahamadoun Hamady Assadou¹, Mamady Kone¹, Abdoulaye Katile¹, Yai Doritchamou², Amatigue Zeguime¹, Kalifa Diarra¹, Irfan Zaidi², Issaka Sagara¹, Alassane Dicko¹, Patrick E. Duffy²
¹Malaria Research and Training Center, Bamako, Mali, ²Laboratory of Malaria Immunology and Vaccinology, Bethesda, MD, United States

LB-8059

Susceptibility of Domestic Pigs to Mpox Virus

Emily Mantlo¹, Charles Lewis², Jessie D. Trujillo¹, Natasha Gaudreault¹, Igor Morozov¹, Chester McDowell¹, Dashzeveg Bold¹, Taeyong Kwon¹, Konner Cool¹, Velmurugan Balaraman¹, Daniel Madden¹, Bianca Artiaga¹, Jayme Souza-Neto¹, William C. Wilson², Nikolaus Osterrieder¹, Lisa Hensley², Juergen A. Richt¹
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Poster Session A Presentations

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LB-8060

Establishment of a medium-throughput drug-screening for Chikungunya Virus

Sujata Choudhury, Sudakshina Ghosh, Rebecca Bradford
ATCC Federal Solutions, American Type Culture Collection, Manassas, VA, United States

LB-8061

Implementing the Global Access Principles at the University of British Columbia

Kishor M. Wasan, Nancy Gallini, Brett Sharp, Richard Lester, Robert Hancock
University of British Columbia, Vancouver, BC, Canada

LB-8062

Trends in treatment-seeking for fever in children under five years old in 151 countries from 1990 to 2020

Paulina Agnieszka Dziaach¹, Michele Nguyen², Paul ECW Castle¹, Susan F. Rumisha¹, Jennifer A. Rozier¹, Joseph R. Harris¹, Harry S. Gibson³, Katherine A. Twohig⁴, Camilo A. Vargas-Ruiz¹, Donal Bisanzio⁵, Ewan Cameron⁶, Daniel J. Weiss⁶, Samir Bhatt⁷, Peter W. Gething⁶, Katherine E. Battle⁸
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LB-8063

Evaluation of malaria-positive samples in the YF MAC-HD kit to assess cross-reactivity

Christin Goodman¹, Lara Perinet¹, Amy Lambert¹, Elizabeth Hunsperger², Peninah Munyua³, Bonventure Wachekone³, Stephen Waweru³, Cecilia Nelson², Kelly Fitzpatrick¹, Brandy Russell¹, Eric Mossel¹
¹Centers for Disease Control and Prevention, Fort Collins, CO, United States, ²Centers for Disease Control and Prevention, Atlanta, GA, United States, ³Centers for Disease Control and Prevention, Nairobi, Kenya

LB-8064

Tackling global health security by building an academic community for One Health action

Xiaoxi Zhang¹, Xinchen Li¹, Qiyu Zhang¹, Jingshu Liu¹, Lefei Han¹, Zohar Lederman², Janna M. Schurer³, Patricia Poeta⁴, Md. Tanvir Rahman⁵, Shizhu Li¹, Kokouvi Kassegne¹, Kun Yin¹, Yongzhang Zhu¹, Shang Xia⁶, Lu He¹, Qingjin Hu¹, Leshan Xiu¹, Jingbo Xue⁶, Hanqing Zhao¹, Xihan Wang¹, Logan Wu¹, Xiaokui Guo¹, Zhaojun Wang¹, Bernhard Schwartländer⁷, Minghui Ren⁸, Xiaonong Zhou¹

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LB-8065

Rpa-Sybr Green I Based Instrument Free Assay As Point-Of-Care Diagnostic For Mycobacterium Leprae

Mukul Sharma, Purna Dwivedi, Sanchita Pacholi, Pushpendra Singh
ICMR-National Institute of Research in Tribal Health, Jabalpur, Madhya Pradesh, India

LB-8066

Building the capacity of National Gender Equity and Social Inclusion (GESI) Facilitators to improve NTD MDA outcomes

Stella Kasindi Mwita¹, Isaac Njau², Wemaeli Mweteni³, Rose Marwa³, Ramadhan Ally¹, Ua Kassim¹, Claire Karlsson¹
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LB-8067

Understanding the influence of COVID-19 vaccine perceptions on health-seeking behaviours: a qualitative study in Northern Sierra Leone

Yara Alonso¹, Abubakarr Jalloh², Kwabena Owusu-Kyei¹, Augustin E. Fombah¹, Clara Menendez¹, Mohamed Samai², **Cristina Enguita-Fernandez**¹
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LB-8068

Seasonal Features of leptospirosis clinical course in Lviv Oblast, Ukraine

Olena Zubach, Alexander Zinchuk
Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

LB-8069

Strengthening Training & Research Capacity in Bioinformatics & Data Science in West Africa: Impact of the West African Center of Excellence in Bioinformatics Training Program for Global Health

Mamadou WELE¹, Jeffrey G. Shaffer², Cheickna Cisse¹, Jian Li², Christopher Whalen³, Darrell Hurt³, Alia Benkahla⁴, Doulaye Dembele⁵, Abdoulaye Djimde¹, Mahamadou Diakite¹, Mike Tartakovsky³, Seydou O. Doumbia¹
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LB-8070

Smoking induces cellular aging and over production of reactive oxygen species (ROS) in oral mucosal cells

Uzair Abbas¹, Bushra Imdad², Zulifqar Ali Soomro³
¹Aga Khan University, Karachi, Pakistan, ²Dow University, Karachi, Pakistan, ³Liaquat University of Medical & Health Sciences, Jamshoro, Pakistan

LB-8071

Retrospective Review of Blood Culture-Confirmed Cases of Enteric Fever in Navi Mumbai, India: 2014-2018

Priyanka Borhade¹, Niniya Jayaprasad¹, Christopher LeBoa², Kashmira Date³, Shrikrishna Joshi⁴, Rahul Shimpi¹, Jason R. Andrews², Stephen P. Luby², Seth A. Hoffman²

¹World Health Organization-Country Office for India, National Public Health Surveillance Project, New Delhi, India, ²Division of Infectious Diseases and Geographic Medicine, Department of Medicine, Stanford University School of Medicine, Stanford, CA, United States, ³Global Immunization Division, Center for Global Health, Centers for Disease Control and Prevention, Atlanta, GA, United States, ⁴Dr. Joshi's Central Clinical Microbiology Laboratory, Navi Mumbai, India

LB-8072

Quality evaluation of antibiotics in Indonesia: Do generics vs branded medicines matter?

Hesty Utami Ramadaniati, Esti Mulatsari, Ayu Rahmawati, Yusi Anggriani, Elizabeth Pisani
Universitas Pancasila, South Jakarta, Indonesia

LB-8073

Professional exchanges in tropical medicine and global health education - a preliminary global analysis

Nada Abdelrahman¹, Sofia Ardiles-Ruesjas², Florian Obereisenbuchner³, Saqlain Raza⁴, Viktoria Schneitler⁵, Jonas Seebacher⁶, **Sophie Charlotte Schneitler**⁷
¹University of Khartoum, Khartoum, Sudan, ²Barcelona Institute of Global Health, Barcelona, Spain, ³LMU University Hospital, Munich, Germany, ⁴Imam Abdulrahman bin Faisal University, Jubail, Saudi Arabia, ⁵Duesseldorf University Hospital, Duesseldorf, Germany, ⁶Medical University of Innsbruck, Innsbruck, Austria, ⁷Saarland University, Homburg, Germany

LB-8074

Prevalence of COVID19 and reported symptoms among patients in the Bono and Bono East Regions of Ghana

Dennis Adu-Gyasi, BONO & BONO EAST REGIONAL COVID-19 EOC
Kintampo Health Research Centre, Research and Development Division, Ghana Health Service, Kintampo North, Ghana

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LB-8075

A Rare Case of Alcoholic Dilated Cardiomyopathy unresponsive to Furosemide in Tanzania: A case report from a lower resource setting.

Damasi Flavian Bayo¹, Hannah Lee², Albino Kalolo³, Amon Israel Marti¹

¹Selian Lutheran Hospital, Arusha, United Republic of Tanzania, ²University of Minnesota, Minneapolis, MN, United States, ³St Francis University College of Health and Allied Sciences, Ifakara, United Republic of Tanzania

LB-8076

Introduction of activities aimed at improving maternal and child health by improving perinatal care and preventing infectious diseases in Lambarene, Gabon, Central Africa

Tadashi Miyazawa¹, Yabo Josiane Honkpehedji¹, Ghyslain Mombo Ngoma¹, Olouyomi Scherif Adegniko¹, Bertrand Lell¹, Ayola Akim Adegniko¹, Meral Esen²

¹Centre de Recherches Médicales de Lambaréné (CERMEL), Lambaréné, Gabon, ²Institut für Tropenmedizin, Universität Tübingen, Tübingen, Germany

LB-8077

Immunization Coverage Among Children Aged 12-23 Months in Pakistan: Insights from a National Cross-Sectional Survey

Intiaz Hussain, Muhammad Umer, Ahmad Khan, Sajid Bashir Soofi

Centre of Excellence in Women and Child Health, Aga Khan University, Pakistan, Karachi, Pakistan

LB-8078

Global diversity and antimicrobial resistance of typhoid fever pathogens: insights from 13,000 Salmonella Typhi genomes

Megan Elizabeth Carey

IAVI & London School of Hygiene & Tropical Medicine, London, United Kingdom

LB-8079

The survivors of epidemics and pandemics: a 2022 cross-sectional study of clinical and psychosocial effects on Ebola virus disease survivors in Sierra Leone.

Brayden G. Schindell¹, Jia B. Kangbai², Kaarina Kowalec¹, Souradet Y. Shaw¹, Jason Kindrachuk¹

¹University of Manitoba, Winnipeg, MB, Canada, ²Eastern Technical University of Sierra Leone, Kenema, Sierra Leone

LB-8080

Viral Metagenomics in Wastewater at the United States Air Force Academy: Unlocking Insights into Microbial Communities that Impact Force Health and Readiness

Darya Macmillan¹, Alper Goken², Michael A. Mechikoff¹, Allyson Peterson¹, Anastasia Cuff², J. Kenneth Wickiser², **Armand L. Balboni**¹

¹United States Air Force Academy, Air Force Academy, CO, United States, ²Columbia University, New York, NY, United States

LB-8081

Development and Application of New Point-of-Care Diagnostic Technology for Human Echinococcosis

Ting Zhang¹, Xiaojin Mo¹, Wei Hu¹, Junhu Chen¹, Xiaonong Zhou¹, Peter Chun²

¹National Institute of Parasitic Diseases, China CDC, Chinese Center for Tropical Diseases Research, Shanghai, China, ²EASE-MEDTREND BIOTECH, LTD., Shanghai, China

LB-8082

Clinical Manifestations Associated with Neurocysticercosis: A systematic review from 2008 to 2023 and an update from 1990-2008.

Orane Figuet¹, Mohammad Shah Jalal², Katrina Di Bacco², Li Tiaoying³, Lin Huang³, Christine Budke⁴, Dominik Stelzle⁵, Hélène Carabin⁶

¹Department of Social and Preventive Medicine, School of Public Health, Montréal, QC, Canada, ²Department of Pathology and Microbiology, Faculty of Veterinary Medicine, Université de Montréal, Montréal, QC, Canada, ³Institute of Parasitic Diseases, Sichuan Center for Disease Control and Prevention, Chengdu, China, ⁴Department of Veterinary Integrative Biosciences, Texas A&M University, College Station, TX, United States, ⁵Center for Global Health, Department of Neurology, School of Medicine, Technical University of Munich, Munich, Germany, ⁶Department of Social and Preventive Medicine, School of Public Health and Department of Pathology and Microbiology, Faculty of Veterinary Medicine, Université de Montréal, Montréal, QC, Canada

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LB-8083

Watch and wait for uncomplicated CE4 and CE5 echinococcal cysts of the liver. Twelve-year experience from 2 centers in Italy.

Sofia Frattola¹, Tommaso Manciuilli², Laura Lapini³, Raffaella Lissandrin⁴, Ambra Vola⁴, Gianluca D'Alessandro¹, Armanda Leka¹, Marcello Maestri⁴, Enrico Brunetti⁴
¹Università di Pavia, Pavia, Italy, ²Università degli Studi di Firenze, Firenze, Italy, ³Ospedale san Donato, Arezzo, Italy, ⁴IRCCS San Matteo Hospital Foundation, Pavia, Italy

LB-8084

Mediastinal and cardiac Cystic Echinococcosis in a young Albanian woman.

Raffaella Lissandrin¹, Ambra Vola¹, Gianluca D'Alessandro¹, Tommaso Manciuilli², Sofia Frattola³, Enrico Brunetti¹, Pietro Rinaldi⁴
¹IRCCS San Matteo Hospital Foundation, Pavia, Italy, ²IRCCS San Matteo Hospital Foundation, Firenze, Italy, ³Università di Pavia, Pavia, Italy, ⁴SS Antonio, Biagio and Cesare Arrigo Hospital, Alessandria, Italy

LB-8085

Diagnostic sensitivity and time to result of a cascaded pooled testing approach for assessing the prevalence and intensity of Schistosoma haematobium infections

Abraham Degarege¹, Bruno Levecke², Yohannes Negash³, Abebe Animut³, Berhanu Erko³
¹University of Nebraska Medical Center, Omaha, NE, United States, ²Department of Virology, Parasitology and Immunology, Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium, ³Aklilu Lemma Institute of Pathobiology, Addis Ababa University, Addis Ababa, Ethiopia

LB-8086

Assessment of the capacity of whatman filter papers as support to store stools for molecular diagnostic of soil-transmitted helminth infections

Cyrille NGUEMNANG KAMDEM, Pythagore Soubgwi Fogue, Arnol Auvaker Zebaze Tiofack, Estelle Mezajou Mewamba, Loic Edmond Tekeu Mengoue, Hilaire Macaire Womeni, Gustave Simo
University of Dschang, Dschang, Cameroon

LB-8087

A qualitative assessment of community knowledge & perception towards schistosomiasis prior to the introduction of novel treatment for preschool-age children in two endemic counties of Kenya

Janet Masaku¹, Mary Amunyunzu-Nyamongo², Alice Sinkeet², Mary Maghanga², Florence Wakesho³, Wyckliff Omondi³, Isabelle L Lange⁴, Lisa Sophie Reigl⁴, Andrea S Winkler⁴, Sammy M Njenga¹, John M Gachohi⁵
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LB-8088

Biomarker discovery and assay development to detect antibodies to Schistosoma haematobium

Yong Wang¹, Sylvia Ossai², Maurice Royal², E. Scott Elder², Kimberly Y. Won², Machi Shiiba³, Kathy Kamath⁴, Jack Reifert⁴, Sukwan Handali¹, W. Evan Secor¹
¹cdc, atlanta, GA, United States, ²CDC, atlanta, GA, United States, ³Emory University, atlanta, GA, United States, ⁴serimmune, Goleta, CA, United States

LB-8089

The use of Sankey diagrams to visualize changes in those affected by NTDs

Jayla Norman, Elianna Paljug, Sarah Sullivan, John Horton, Charles D. Mackenzie
TFGH, Decatur, GA, United States

LB-8090

Onchocerciasis drug development: Population pharmacokinetic modeling of an oxfendazole tablet formulation in healthy African volunteers

Frauke Assmus¹, Ayorinde Adehin¹, Richard M. Hoggund¹, Gloria Nyaulingo², Hussein Mbarak², Said Jongo², Eveline Ackermann³, Elisabeth Reus³, Jennifer Keiser³, Fabiana B. Da Silva Rocha⁴, Sabine Specht⁴, Ivan Scandale⁴, **Joel Tarning**¹
¹Mahidol Oxford Tropical Medicine Research Institute, Bangkok, Thailand, ²Ifakara Health Institute, Bagamoyo, United Republic of Tanzania, ³Swiss Tropical and Public Health Institute, Basel, Switzerland, ⁴Drugs for Neglected Diseases initiative, Geneva, Switzerland

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LB-8091

Effect of onchocerciasis elimination interventions on the incidence of onchocerciasis-associated epilepsy in endemic areas

Luís-Jorge Teles de Meneses do Amaral¹, Stephen Raimon Jada², Dan Bhwana³, Bruno P. Mmbando³, Robert Colebunders¹

¹Global Health Institute, University of Antwerp, Antwerpen, Belgium, ²Amref Health Africa, Juba, South Sudan, ³National Institute of Medical Research, Tanga, United Republic of Tanzania

LB-8092

Projecting Onchocerca volvulus infection trends and times to onchocerciasis elimination using the EPIONCHO-IBM transmission model in Togo

Luís-Jorge Teles de Meneses do Amaral¹, Philip Milton¹, Martin Walker¹, Jonathan Hamley¹, Yao Kassankogno², Anders Seim³, Rachel Bronzan⁴

¹MRC Centre for Global Infectious Disease Analysis and London Centre for Neglected Tropical Disease Research, Department of Infectious Disease Epidemiology, School of Public Health, Imperial College London, London, United Kingdom, ²Health and Development International, Lomé, Togo, ³Health and Development International, Fjellstrand, Norway, ⁴Bill & Melinda Gates Foundation, Seattle, WA, United States

LB-8093

A Case of Tropical Fever from Darien's Jungle: A tale of triple co-infection.

María Osorio¹, Monica R. Pachar², Kendra Tomlimson¹, Jose A. Hernandez¹, Jose A. Suarez³
¹MINSA, Yaviza, Darien, Panama, ²Hospital Santo Tomas, Panama, Panama, ³UISEK, Quito, Ecuador

LB-8094

Facilitators towards the introduction of a child-friendly anti-schistosomiasis drug for young children

Stella Neema¹, Lisa Reigl², Isabelle L. Lange², Prudence Beinamaryo³, Andrea Sylvia Winkler², **FRED NUWAHA**¹
¹Makerere University, Kampala, Uganda, ²Technical University of Munich, Munich, Germany, ³Ministry of Health, Kampala, Uganda

LB-8095

Enhancing Vector-Borne Disease Management through Efficient Supply Chain Management: Reducing Stockouts, Reallocations, and Expiries

Arvinder Walia¹, Atul Mittal², Arnab Pal¹
¹Clinton Health Access Initiative, Delhi, India, ²TSU-CHAI, National Center for Vector Borne Disease Control, Delhi, India

LB-8096

Spatial heterogeneity in mass drug administration from a longitudinal epidemiological study assessing transmission interruption of soil transmitted helminths in the Wolaita zone of southern Ethiopia (Geshiyaro Project)

Santiago Nicolas Rayment Gomez¹, Rosie Maddren¹, Ewnetu Firdawek Liyew², Melkie Chernet², Adugna Tamiru³, Ufaysa Anjulo³, Birhan Mengistu¹, Benjamin Collyer¹, Kathryn Forbes¹, Roy Anderson¹
¹Imperial College London, London, United Kingdom, ²Ethiopian Public Health Institute, Addis Ababa, Ethiopia, ³Ministry of Health, Addis Ababa, Ethiopia

LB-8097

Developing Engaging Community Education for Vectorborne Diseases

Kacey C. Ernst¹, Josh Arnbrister¹, Alexandria Renault¹, Mary Hayden²
¹University of Arizona, Tucson, AZ, United States, ²University of Colorado, Colorado Springs, Colorado Springs, CO, United States

LB-8098

The clinical study landscape for eumycetoma: a systematic review of published reports, 1990-2022

Astrid C. Erber¹, Prabin Dahal², Alexandro Bonifaz³, Matthew Brack², Brittany J. Maguire², Nathalie Strub-Wourgaft⁴, Andrés Tirado-Sánchez³, Ed Zijlstra⁵, Philippe Guerin²
¹Department of Epidemiology, Center for Public Health, Medical University of Vienna, Vienna, Austria, ²Infectious Diseases Data Observatory (IDDO), University of Oxford, Oxford, United Kingdom, ³Hospital General de México Dr Eduardo Liceaga, Mexico City, Mexico, ⁴Drugs for Neglected Diseases initiative (DNDi), Geneva, Switzerland, ⁵Rotterdam Centre for Tropical Medicine, Rotterdam, Netherlands

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LB-8099

Magnitude of IgG1, IgM, IgA and Relationship with Complement-fixation Antibody Effector Function in Response to a Live-attenuated Tetravalent Dengue Vaccine in Adults from Non-endemic Areas

Eduardo J.M. Nascimento, Jesuina Fernandes, Eloi Kpamegan, Brooke Norwood, Mayuri Sharma
Takeda Vaccines Inc., Cambridge, MA, United States

LB-8100

Integration of MDA data within the DHIS2 database: Strengthening the quality and accessibility of NTD data in Zanzibar.

Sophia Mohamed Hassan
MOH-NTD Programme, Zanzibar, United Republic of Tanzania

LB-8101

Prevalence of S.mansoni and other intestinal parasites and associated risk factors among “Yekolotemari” children attending traditional education in the Ethiopian Orthodox Churches in Mekelle, Northern Ethiopia

Gessesew Bugssa Hailu
Mekelle University, MEKELE, Ethiopia

LB-8102

Perceived Barriers to Trachomatous Trichiasis Surgery among Women in Kongwa District Tanzania

Folahan Adesola Ibukun¹, Harran A. Mkocho², Beatriz Munoz¹, Sheila K. West¹
¹*The Johns Hopkins Wilmer Eye Institute, Baltimore, MD, United States*, ²*Trachoma Project, Kongwa, United Republic of Tanzania*

LB-8103

Assessing CDD Performance in Ghana; A Gender Based Approach.

Charles Brown-Davies¹, Irene Dede Dzathor¹, Maureen Headland², Diana Stukel³
¹*FHI 360, Accra, Ghana*, ²*FHI 360, Washington, DC, United States*, ³*FHI 360, New York, NY, United States*

LB-8104

Is cutaneous leishmaniasis autochthonous in the United States?

Marcos de Almeida, **Vitaliano A. Cama**, Mary L. Kamb
CDC, Atlanta, GA, United States

LB-8105

Comparison of prototype ELISAs for serodiagnosis of visceral leishmaniasis

Maite Sabalza¹, Babet Menge², Tobias Kruse², Claudia Messing², Sandra Saschenbrecker², Roberto Brückmann², Andreas Gasser²
¹*EUROIMMUN US, Mountain Lakes, NJ, United States*, ²*Institute for Experimental Immunology, affiliated to EUROIMMUN Medizinische Labordiagnostika AG, Lübeck, Germany*

LB-8106

A Systematic Review of Benznidazole and Nifurtimox Treatment Evaluating the Efficacy and Safety Profile among Asymptomatic Adults Seropositive for Trypanosoma cruzi

Joshua Trowell¹, Edward Mitre¹, Rachel Marcus², Patrick Hickey¹
¹*Uniformed Services University of the Health Sciences, Bethesda, MD, United States*, ²*MedStar Health, Baltimore, MD, United States*

LB-8107

Validation of a CLIA laboratory testing protocol for Chagas disease using two parallel, independent immunoassays

Alicia Majeau, Nadya Karaseva, Sarah Miller, Andrew Levin
Kephera Diagnostics, Framingham, MA, United States

LB-8108

Biomarkers of pathology in chronic Chagas disease: drastic changes in the antibody repertoire of a patient undergoing sudden cardiac deterioration

Fernán Agüero¹, Alejandro D. Ricci¹, Justo Carbajales², Mario Principato², Analía Paolucci², Alejandra von Wulffen², Leonel Bracco¹, Juan Mucci¹
¹*Universidad Nacional de San Martín, San Martín, Argentina*, ²*Hospital General de Agudos “José María Ramos Mejía”, Ciudad Autónoma de Buenos Aires, Argentina*

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LB-8109

Identifying appropriate strategies to accelerate efforts towards malaria elimination in three high transmission regions in rural Senegal

Sylla Thiam

University Iba Der Thiam, Thiès, Senegal

LB-8110

Understanding Plasmodium falciparum's multidrug resistance protein through the characterization of a novel antimalarial class

Emily Bremers¹, Joshua H. Butler¹, Leticia Do Amaral¹, Emilio F. Merino¹, Hanan Almolhim², Maxim Totrov³, Paul R. Carlier⁴, Maria Belen Cassera¹

¹University of Georgia, Athens, GA, United States, ²Virginia Tech, Blacksburg, VA, United States, ³Molsoft LLC, San Diego, CA, United States, ⁴University of Illinois Chicago, Chicago, IL, United States

LB-8111

Neutropenia and its possible effect on the effectiveness of artemisinin-based combination therapy in pregnant women in Mali

Moussa Djimde¹, Charles Arama¹, Hamadoun Diakité¹, Mohamed Keita¹, Bouréma Koné¹, Mamadou D. Samaké¹, Bréhima Tembely¹, Balla Bagayoko¹, Mohamed B. Traoré¹, Japhet Kabalu Tshiongo², Alassane Dicko¹, Michel Vaillant³, Petra F. Mens⁴, Henk D. F. H. Schallig⁴, Kassoum Kayentao¹

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LB-8112

Leveraging the Last Mile Distribution Approach to Sustain Distribution of Bed Nets at health facilities in hard-to-reach communities in Ghana

Damaris Forson, Kezia Malm, Joel I. Acquah, Deogratius Kimera, Emmanuel Menyah, Daniel Owusu-Afranie, Sika Amoah-Kwakyé, Irene Andoh

USAID Global Health Supply Chain-Procurement and Supply Management, Accra, Ghana, Ghana

LB-8113

Modified post ITN campaign coverage and use assessment strategy in Nigeria, 2021

Robert Opoku¹, Marcy Erskine¹, Zainab Baba Ali¹, Mac Otten², Fatima Ali³, Ifeanyi Udoye³, Perpetua Uhomoibhi³

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LB-8114

Approaches for social and behavior change for preventing holes in insecticide-treated nets in sub-Saharan Africa: results from an online survey

Hannah Koenker¹, Sally Chandler¹, Marcy Erskine², Robert Opoku²

¹Tropical Health LLP, London, United Kingdom, ²International Federation of Red Cross and Red Crescent Societies, Geneva, Switzerland

LB-8115

Targeting animal structures for indoor residual spraying in response to shifting vector behaviors reduces malaria case in Northern Ghana

Osei K. Akuoko¹, Yemane Yihdego², Frank Gyamfi¹, Edem K. Obum¹, Bradford Lucas², Sixte Ziburumugabe³, Dominic B. Dery³, Jennifer S. Armistead⁴, Daniel Boakye⁵, Samuel K. Dadzie⁵, Lena Kolyada⁶, Otubea Akrofi⁷, Christian Atta-Obeng⁷, Sylvester Coleman⁸

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LB-8116

Efficacy and safety of artemether-lumefantrine against uncomplicated falciparum malaria infection in Tanzania, 2022

Jessica Laury¹, Kefas Mugittu², Debora C. Kajeguka³, Erasmus Kamugisha⁴, Deus S. Ishengoma⁵, Celine I. Mandara⁵, Billy Ngasala⁶, Mercy G. Chiduo⁷, Muhidin K. Mahende², Jovin Kitau⁸, Maimuna M. Ahmed⁴, Sixbert I. Mkumbaye³, Filbert Francis⁵, Frank Chacky⁹, Marian Warsame¹⁰, Naomi Serbantez¹¹, Chonge Kitojo¹¹, Erik Reaves¹², Dunstan R. Bishanga², Reginald A. Kavishe³, Florida Muro³

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LB-8117

Population pharmacokinetics modeling of ivermectin mass drug administration campaign in Mozambique with dried blood spot sampling

Charlotte Kern¹, Almudena Sanz², Patricia Nicolas², Julia Montaña², Samuel Martinho³, Eldo Elobolobo³, Jenisse Mbanze³, Humberto Munguambe³, Saimado Imputiua³, Amélia Houana³, Felisbela Materrula³, Aida Xerinda³, Vegovito Vegove³, Regina Rabinovich², Francisco Saute³, Hansel Mundaca³, Marta Maia⁴, Carlos Chaccour², Urs Duthaler⁵, Felix Hammann¹

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LB-8118

Human monoclonal antibodies targeting Anopheles gambiae salivary protein AgSAP

Hyeseon Cho¹, Youngsil Seo¹, Yu-Min Chuang², Gunjan Arora³, Alvaro Molina-Cruz¹, Hamidou Cisse¹, Ming Zhao¹, Jeff Skinner¹, Mary E. Peterson¹, Shanping Li¹, Didier Doumtabe⁴, Safiatou Doumbo⁴, Aissata Ongoiba⁴, Kassoum Kayentao⁴, Boubacar Traore⁴, Carolina Barillas-Mury¹, Joshua Tan¹, Erol Fikrig², Peter D. Crompton¹

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LB-8119

Plasmodium falciparum transmission in the highlands of Ethiopia is driven by closely related and clonal parasites

Aurel Holzschuh¹, Yalemwork Ewnetu², Lise Carlier³, Anita Lerch¹, Inna Gerlovina⁴, Sarah Cate Baker³, Delenasaw Yewhalaw⁵, Werissaw Haileselassie⁶, Nega Berhane², Wossenseged Lemma², Cristian Koepfli¹

¹University of Notre Dame, Notre Dame, IN, United States, ²University of Gondar, Gondar, Ethiopia, ³Trinity College Dublin, Dublin, Ireland, ⁴EPPICenter research program, Division of HIV, ID and Global Medicine, Department of Medicine, University of California, San Francisco, San Francisco, CA, United States, ⁵Tropical and Infectious Disease Research Center, Jimma University, Jimma, Ethiopia, ⁶School of Public Health, Addis Ababa University, Addis Ababa, Ethiopia

LB-8120

A Comparison of Methods for Assessing the Public Health Impact of Malaria Vaccines

Ottavia Prunas¹, Lydia Braunack-Mayer¹, Pablo Martinez de Salazar¹, Daniella Figueroa-Downing¹, Narimane Nekkab¹, Joshua L. Warren², Melissa A. Penny¹

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Poster Session A Presentations

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LB-8121

Streamlining implementation of school-based insecticide treated net (ITN) distribution in Tanzania: lessons learned from 10 years of the School Net Programme (SNP)

Benjamin Kamala¹, George Kabulika¹, Peter Gitanya², Naomi Serbantez³, Lulu Msangi³, Dismass Charles Mwalimu², Samuel Lazaro², Frank Chacky², David Dadi¹, Hannah Koenker⁴

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LB-8122

Sustaining Insecticide Treated Net distribution to vulnerable groups in Tanzania: transitioning continuous distribution through a public distributor

Ruth Msolla¹, Peter Gitanya², Macrina Nchimbi³, Jacqueline Madundo¹, Naomi Serbantez⁴, Lulu Msangi⁴, Dismass Charles Mwalimu², Frank Chacky², David Dadi¹, Hannah Koenker⁵, Benjamin Kamala¹

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LB-8123

Mapping Malaria Reproduction Numbers in Viet Nam A spatiotemporal analysis of combining temporal data and distance metrics.

Yalemzewod Assefa Gelaw¹, Michael McPhail¹, Win Han Oo², Ngo Duc Thang³, Nguyen Xuan Thang³, Win Htike⁴, Camilo Vargas¹, Daniel J. Weiss¹, Freya J.I. Fowkes⁴, Peter W. Gething¹

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LB-8124

Prevalence and Predictors of Anemia in Women of Reproductive Age Group (15-49 Years) in The Nigeria Malaria Indicator Survey (NMIS) 2021

Augustine Olajide Dada, Md Mahfuj Alam, Estee Cramer, Andrew A. Lover
University of Massachusetts Amherst, Amherst, MA, United States

LB-8125

The nexus of disease and food production in irrigation schemes, the Shire valley transformation in Malawi

Rek B. Mbewe¹, Steve Gowero², James Chirombo³, Blessings Chiepa³, Clinton Nkolokosa³, Olivia Wetherill⁴, Sylvester Coleman⁴, Themba Mzilahowa⁵, Russell Stothard⁴, Christopher Jones⁴

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LB-8126

Efficacy of Artemether-Lumefantrine, Artesunate-Amodiaquine, Dihydroartemisinin-Piperaquine and Artesunate-Pyronaridine for uncomplicated Plasmodium falciparum malaria in Mozambique, 2022

Abel Paulo Nhama¹, Quique Bassat², Lidia Nhamussua¹, Clemente Da Silva¹, Paulo Arnaldo³, Crizolgo Salvador³, Annette Cassy³, Baltazar Candrinho⁴, Mércia Dimene⁴, Eva De Carvalho⁵, Arsenio Nhacolo¹, Arlindo Chidimatembue¹, Abuchahama Saifodine⁶, Flavio Wate⁶, Helio Mucavele⁶, Yaritbel Torres- Mendoza⁷, Alfredo Mayor², Pedro Aide¹

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Poster Session A Presentations

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LB-8127

Single-cell multiomic characterization of peripheral immune cells in children who remain aparasitemic despite intensive exposure to *Plasmodium falciparum* malaria

Prasida Holla¹, Jyoti Bhardwaj¹, Erik L. Gaskin¹, Safiatou N. Doumbo², Aissata Ongoiba³, Philip L. Felgner⁴, Christine S. Hopp⁵, Xiaoling Xuei¹, Kassoum Kayentao⁶, Boubacar Traoré⁶, Peter D. Crompton⁷, Tuan M. Tran¹

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LB-8128

Dramatic resurgence of malaria after 6 years of intensive malaria control interventions in Eastern Uganda

Moses R. Kamy¹, Joaniter I. Nankabirwa¹, Emmanuel Arinaitwe², John Rek³, Maato Zedi², Catherine Maiteki-Sebuguzi², Jimmy Opigo³, Sarah G. Staedke⁴, Ambrose Oruni⁴, Martin J. Donnelly⁴, Bryan Greenhouse⁵, Jessica Briggs⁵, Prasanna Jagannathan⁶, Isabel Rodriguez-Barraquer⁵, Grant Dorsey⁵, Moses R. Kamy¹

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LB-8129

Safety of Sanaria® PfSPZ Vaccine administered after presumptive antimalarial treatment to children in Bancoumana, Mali.

MAIGA Mahamadoun Hamady Assadou¹, David M. Cook², Kourane Sissoko¹, Amatigue Zeguime¹, John Woodford², Sadio Koni Diarra¹, Seydou Sankare¹, Mahamadou Soumana Sissoko¹, Sintry Sanogo¹, Moussa Tienta¹, Judith M. Epstein², Joel Goldberg², Aye Sousa², Peter F. Billingsley³, Kim Sim B Lee³, Thomas L. Richie³, Stephen L. Hoffman³, Patrick E. Duffy², Issaka Sagara¹

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LB-8130

Neutrophil extracellular traps are associated with acute kidney injury in children with cerebral malaria or severe malarial anemia

Jonathan A. Mayhew¹, Kagan A. Mellencamp¹, Robert O. Opoka², Paul Bangirana², Andrea L. Conroy¹, Chandy C. John¹

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LB-8131

Travel patterns and demographic characteristics of malaria cases in Zanzibar, 2019-2023

Humphrey Mkali¹, Mohamed H. Ali², Geoffrey Makenga¹, Shija J. Shija², Raya Ibrahim², Stella Makwaruzi¹, Saidi Mgata¹, Naomi Serbantez³, Chonge Kitojo³, Erik Reaves⁴, Lulu Msangi³, Albert Ikonje³, Sigsibert Mkude¹

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LB-8132

Differential seasonal impact of Seasonal Malaria Chemoprevention on clinical malaria in Koulikoro, Mali

Toure Mahamoudou¹, Cheick Oumar Doumbia¹, Soumba Keita¹, Daouda Sanogo¹, Fousseyni Kane¹, Hamady Coulibaly¹, Bourama Traore¹, Moussa Keita¹, Nafomon Sogoba¹, Mahamadou Diakite¹, Jeffrey G. Shaffer², Seydou Doumbia¹

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Poster Session A Presentations

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LB-8133**Where next, Malaria elimination in Zanzibar**

Mohamed H. Ali¹, Abdullah S. Ali², Omar Ussi¹, Shija J. Shija⁴, Bakari O. Khatib¹, Humphrey Mkali³, Sigsibert Mkude⁴, Elizabeth Kasagama⁵, Fabrizio Molteni⁵, Noela Kisoka⁵, Chonge Kitojo⁶, Naomi Serbantez⁶, Albert Ikonje⁶, Samson Kiware⁷, Geoffrey Makenga⁴, Jovin Kitau⁸, Zabulon Yoti⁸

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LB-8134**Is China doing enough for malaria control and elimination in sub-Saharan Africa?**

Julius Nyerere Odhiambo¹, Carrie B. Dolan¹, Ammar A. Malik²

¹College of William and Mary, Williamsburg, VA, United States, ²AidData - Global Research Institute, Williamsburg, VA, United States

LB-8135**Evaluation of a Plasmodium transcription-mediated amplification assay on blood donors deferred for malaria risk**

Laura Tonnetti¹, Jamel A. Groves¹, Manisha C. Yadav², Kristin Livezey², Bryan R. Spencer³, Jeffrey M. Linnen², Susan L. Stramer¹

¹American Red Cross, Rockville, MD, United States, ²Grifols Diagnostic Solutions Inc., San Diego, CA, United States, ³American Red Cross, Dedham, MA, United States

LB-8136**Role of microRNA loaded extracellular vesicles in the modulation of heme-induced inflammation in hemolytic diseases.**

Alaijah Bashi, Jonathan K. Stiles, Adel Driss
Morehouse School of Medicine, Atlanta, GA, United States

LB-8137**Development and manufacturing of conjugated Pfs230D1-CRM197 malaria transmission blocking vaccine**

David L. Narum¹, Raul Herrera¹, Vu Nguyen¹, Karine Reiter¹, Beth Chen¹, Chris Rowe¹, Fernando Cabezas Mejia¹, Richard Shimp, Jr.¹, Sofia Nakuchima¹, Olga Muratova¹, Puthupparampil Scaria¹, Holly McClellan¹, Weili Dai¹, Daming Zhu¹, Nicholas J. MacDonald¹, Kelly M. Rausch¹, Filip Dubovsky², Gale E. Smith², Greg Glenn², Rakesh Kestwal³, Harish Rao³, Umesh Shaligram³, Patrick E. Duffy¹

¹Laboratory of Malaria Immunology and Vaccinology, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States, ²Novavax, Inc., Gaithersburg, MD, United States, ³Serum Institute of India Pvt. Ltd., Pune, India

LB-8138**Adherence to the full course of Seasonal Malaria Chemoprevention improved in the Dosso and Tahoua regions of Niger from 2020 to 2022**

Daniel C. Koko¹, Ibrahim Ouba², Abou Yahaya², Eric Coulibaly³, Zilahatou Bahari-Tohon³, Djibrilla Maiga¹, Elisha Sanoussi¹, Charlotte E. Eddis⁴

¹PMI Impact Malaria project, Niamey, Niger, ²National Malaria Program, Niamey, Niger, ³U.S. President's Malaria Initiative, USAID, Niamey, Niger, ⁴PMI Impact Malaria project, Washington, DC, United States

LB-8139**Comprehensive characterization of Plasmodium vivax antigens using high-density peptide array**

Rosita R. Asawa¹, Kieran Tebben¹, Andrea Berry¹, Jean Popovici², David Serre¹

¹University of Maryland, Baltimore, Baltimore, MD, United States, ²Institut Pasteur du Cambodge, Phnom Penh, Cambodia

LB-8140**Evaluation of efficacy and immunogenicity of a delayed, fractional dose of RTS,S/AS01E malaria vaccine in Plasmodium falciparum-infected and uninfected adults in Kenya**

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¹Kenya Medical Research Institute, Kombewa, Kenya, ²PATH's Center for Vaccine Innovation and Access, Washington, DC, United States

Poster Session A Presentations

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LB-8141

Estimating the Temporal Changes of Plasmodium falciparum Strains in High Transmission Area of Asembo, Western Kenya (1996-2017) via 24-SNP Barcodes

Gary Vestal¹, Zhiyong Zhou², Sheila B. Sergent², Mili Sheth², Justin Lee², Rebecca M. Mitchell², Andrew Hill², Kephias Otieno³, Simon Kariuki³, Feiko ter Kuile⁴, Laurence Slutsker², Mary J. Hamel², Meghna Desai², Aaron Samuels², John E. Gimnig², Ymir Vigfusson¹, Ya Ping Shi²

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LB-8142

Perspectives of healthcare professionals on Training for Quantitative G6PD Testing during Implementation of Tafenoquine as a Strategy for vivax malaria Elimination in Brazil (QualiTRuSt Study)

Felipe Leao Gomes Murta, Alicia Santos, Marcelo Brito, Evellyn Silva, Ana Oliveira, Jessica Albuquerque, Rafaela Dávila, Hiran Gama, Dhélio Pereira, Marcus Lacerda
Fundação de Medicina Tropical Dr. Heitor Vieira Dourado, Manaus, Brazil

LB-8143

Clinical and Diagnostic Features of Imported Cases of Malaria to Alberta, Canada: A 4-Year Retrospective Study (2014-2018)

Ruwandi Kariyawasam¹, Clayton MacDonald², William Stokes³, Abraam Isaac⁴, Peet Van Der Walt⁵, Hong Zhou⁶, Dylan Pillai⁷, Stephen Vaughan⁸, Kinga Kowalewska-Grochowska⁹, Jamil N. Kanji¹⁰
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Medicine, Cumming School of Medicine, University of Calgary & Public Health Laboratory, Alberta Precision Laboratories, Calgary, AB, Canada, ⁷Department of Microbiology, Immunology and Infectious Diseases & Division of Infectious Diseases, Department of Medicine, Cumming School of Medicine, University of Calgary & DynaLIFE Medical Labs, Calgary, AB, Canada, ⁸Department of Microbiology, Immunology and Infectious Diseases & Division of Infectious Diseases, Department of Medicine, Cumming School of Medicine, University of Calgary, Calgary, AB, Canada, ⁹Department of Laboratory Medicine & Pathology & Department of Medical Microbiology & Immunology, Faculty of Medicine and Dentistry, University of Alberta & Public Health Laboratory, Alberta Precision Laboratories, Edmonton, AB, Canada, ¹⁰Section of Medical Microbiology, Department of Pathology & Laboratory Medicine & Division of Infectious Diseases, Department of Medicine, Cumming School of Medicine, University of Calgary; Public Health Laboratory - Alberta Precision Laboratories, Calgary, AB, Canada

LB-8144

High precision genomic epidemiology of Plasmodium falciparum malaria in sub-Saharan Africa by microhaplotyping

Alfred B. Hubbard¹, Cheikh C. Dieng², Elizabeth Hemming-Schroeder³, Daniel Janies¹, Eugenia Lo²
¹UNC Charlotte, Charlotte, NC, United States, ²Drexel University, Philadelphia, PA, United States, ³Colorado State University, Fort Collins, CO, United States

LB-8145

Moving the repRNA-based CSP priming dose of a Prime-and-Trap malaria vaccine to clinical phase development

Marion AVRIL¹, Zach MacMillen¹, Kiara Hatzakis¹, Adrian Simpson², Melanie Shears³, Felicia Watson³, Jesse Erasmus², Amit Khandhar², Steve Geelhood¹, Brandon Wilder⁴, Sean Murphy³, Steve Reed², James Davie¹
¹MalarVx, Inc, SEATTLE, WA, United States, ²HDT Bio, SEATTLE, WA, United States, ³University of Washington, SEATTLE, WA, United States, ⁴Oregon Health Science University, Beaverton, OR, United States

LB-8146

Monitoring quality of malaria case management policy implementation in Kenya, 2023

Beatrice K. Machini, Elvis Oyugi
Kenya National Malaria Control Program, Nairobi, Kenya

Poster Session A Presentations

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LB-8147

Development and pre-clinical evaluation of a CAF01-adjuvanted whole asexual blood-stage parasite malaria vaccine in rodent models

Winter A. Okoth, Danielle I. Stanistic, Michael F. Good
Griffith University, Southport, Australia

LB-8148

Resilience of and Importance of Sustaining Malaria Case Management through Integrated Community Malaria Volunteers Amidst COVID-19 Pandemic and Humanitarian Crisis in Myanmar

Kyaw Myint Tun¹, Khin Mon Mon¹, Nay Yi Yi Linn², Saw Naung Naung¹, Nu Nu Khin³, Gunawardena Dissanayake³, Khant Maung Maung¹, Sway Min Htet¹, Hnin Su Su Khin¹, Ersin Topcuoglu⁴
¹University Research Co., LLC, Yangon, Myanmar, ²National Malaria Control Programme, Ministry of Health, Naypyitaw, Myanmar, ³PMI/USAID, Yangon, Myanmar, ⁴University Research Co., LLC, Chevy Chase, MD, United States

LB-8149

Genomic surveillance shows limited threat of emerging Plasmodium falciparum parasites with Plasmodium falciparum Histidine-Rich Protein 2 and 3 gene deletions in northern Uganda

BOSCO B. AGABA¹, David Smith², Monica Nabatanzi¹, Emmanuel Arinaitwe³, Isaac Ssewanyana⁴
¹DEPARTMENT OF DISEASE CONTROL, MINISTRY OF HEALTH, kampala, Uganda, ²QIMR Berghofer Medical Research Institute, Queensland, Australia, kampala, Australia, ³Infectious Diseases Research Collaboration, kampala, Uganda, ⁴National Health Laboratory Services, kampala, Uganda

LB-8150

How many deaths has malaria actually caused in Benin in 2022, and what are the challenges in establishing the causal link at national level?

Julien Codjovi AÏSSAN, Saka KPANOU, Christian GODJO, Achille COUAO-ZOTTI, Cyriaque AFFOUKOU
National Malaria Control Program, Cotonou, Benin

LB-8151

Knowledge, Attitudes and Practices on Rabies among Human and Animal Health Professionals in Senegal

UMY KALTOME BOH¹, Mouhamadou faly Ba²
¹saint louis health district, ministry of health and social, DAKAR, Senegal, ²UNIVERSITY CHEIKH ANTA DIOP, DAKAR, Senegal

LB-8152

Population genomics show human and animals are infected with Brugia malayi from the same population in Belitung District, Indonesia

Irina Diekmann¹, Young-Jun Choi¹, Taniawati Supali², Kerstin Fischer¹, Makedonka Mitreva¹, Peter U. Fischer¹
¹Infectious Diseases Division, Department of Medicine, Washington University School of Medicine, St. Louis, MO, United States, ²Department of Parasitology, Faculty of Medicine, Universitas Indonesia, Jakarta, Indonesia

LB-8153

Genomic characterization of extraintestinal pathogenic Escherichia coli causing bloodstream infections among hospitalized patients in northern Tanzania

Deng B. Madut¹, Matthew P. Rubach¹, Nadia Boisen², Firdoos A. Gogry³, Douglas R. Call³, Manuela Carugati¹, Nathaniel H. Kalengo⁴, Annette Marandu⁵, Michael J. Maze⁶, Anne B. Morrissey¹, Bingileki F. Lwezoula⁵, Blandina T. Mmbaga⁷, Kajiru G. Kilonzo⁷, Venance P. Maro⁷, Flemming Scheutz², John A. Crump⁸
¹Duke University, Durham, NC, United States, ²Statens Serum Institut, Copenhagen, Denmark, ³Washington State University, Pullman, WA, United States, ⁴Kilimanjaro Christian Medical Centre, Moshi, United Republic of Tanzania, ⁵Mawenzi Regional Referral Hospital, Moshi, United Republic of Tanzania, ⁶University of Otago, Christchurch, New Zealand, ⁷Kilimanjaro Christian Medical University College, Moshi, United Republic of Tanzania, ⁸University of Otago, Dunedin, New Zealand

LB-8154

Behavioral risk assessment in response to a Marburg virus disease outbreak, Ghana 2022

Shannon Ball¹, Richard Suu-Ire², Ernest Guevarra¹, Meyir Yiryele Ziekah³, Jean DeMarco¹, Amos Sarpong Agyei², Jonathan H. Epstein¹
¹EcoHealth Alliance, New York, NY, United States, ²University of Ghana, Accra, Ghana, ³Forestry Commission of Ghana, Accra, Ghana

LB-8155

First bovine vaccine to prevent human schistosomiasis - a cluster randomised Phase 3 clinical trial

Allen G. Ross
Charles Sturt University, Orange, NSW, Australia

Poster Session A Presentations

Thursday, October 19, 2023, Noon - 1:45 pm
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LB-8156

Cardiovascular Disease risk profiling of 6000+ Tanzanians: A multi-regional screening by Jakaya Kikwete Cardiac Institute.

Peter Kisali Pallangyo

Jakaya Kikwete Cardiac Institute, Dar es Salaam, United Republic of Tanzania

LB-8157

Coronary Artery Disease in Tanzania: Angiographic Analysis of 3000+ Patients from a Public Hospital.

Peter Richard Kisenge

Jakaya Kikwete Cardiac Institute, Dar es Salaam, United Republic of Tanzania

LB-8158

Using Explainable AI Approaches to Predict the Transmission Risk of Avian Influenza Virus in Eurasia

Ting Wu Chuang

Taipei Medical University, Taipei, Taiwan

LB-8159

Influenza at the human/animal interface in Ghana: evidence from 2021 to 2022

Lorreta Kwahah¹, Ivy Asantewaa Asante¹, Mildred Adusei-Poku², Stephen Ofori Nyarko¹, Yaw Awuku-Larbi¹, Gifty Mawuli¹, Linda Boatemaa¹, Richard Obeng Asomadu¹, Vanessa Magnusen¹, Jennifer Wutsika¹, Samuel Ago¹, Esinam Aku Apefa Amenuvor¹, Juliet Wordui¹, Roberta Tackie¹, Ama Nyansema Sekyi-Yorke¹, Cecilia Takyi¹, Isabella Asamoah¹, Theophilus Odoom³, Yaw Fenteng Danso¹, Edward Owusu Nyarko⁴, William Asiedu⁴, Daniel L. Mingle⁴, Naiki Attram⁵, Shirley Cameron Nimo-Paintsil⁵, Sanders Terrel⁵, Hugo Miranda⁵, William Kwabena Ampofo¹

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LB-8160

Epidemiology of *Toxoplasma gondii* in wild boars in South Korea: distribution and risk factors

Yeaseon Son¹, Jung-Yong Yeh², Jong Koo Lee², **Sangshin Park¹**

¹*University of Seoul, Seoul, Republic of Korea*, ²*Incheon National University, Incheon, Republic of Korea*

LB-8161

Urogenital Schistosomiasis and Anaemia Among School-aged Children from Southwestern Nigeria

Babatunde Adewale

Nigerian Institute of Medical Research, Lagos, Nigeria

LB-8162

Schistosomiasis exposure in remote villages of the Peruvian Amazon: a neglected infectious disease far from being eradicated.

Martina C. Guillermo-Roman¹, Bryan G. Fernandez-Camacho¹, Brian N. Peña-Calero¹, Antony M. Barja-Ingaruca¹, Helena Brazal-Monzó², Katie Patterson², Luca Nelli³, Isabel Byrne², Monica Hill⁴, Elin Dumont², Lynn Grignard², Kevin Tetteh¹, Lindsey Wu², Alejandro Llanos-Cuentas⁵, Chris Drakeley², Gillian Stresman², Gabriel Carrasco-Escobar¹

¹*Health Innovation Laboratory, Institute of Tropical Medicine "Alexander von Humboldt", Universidad Peruana Cayetano Heredia, Lima, Peru*, ²*Department of Infection Biology, London School of Hygiene and Tropical Medicine, London, United Kingdom*, ³*School of Biodiversity, One Health and Veterinary Medicine, University of Glasgow, United Kingdom, London, United Kingdom*, ⁴*University of Surrey, United Kingdom, London, United Kingdom*, ⁵*Institute of Tropical Medicine "Alexander von Humboldt", Universidad Peruana Cayetano Heredia, Lima, Peru*

LB-8163

Investigation of Influenza A (H3N2) variant virus outbreak in a senior high school

Joyce Antwi-Agyei

Ghana Health Service, Accra, Ghana

Poster Session A Presentations

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LB-8164

Rationale and Design of the Zanamivir for the treatment of vascular Permeability in Dengue fever (ZAP-DENGUE) Trial

Aileen Y. Chang¹, Evelyn Mendoza Torres², Carlos Herrera Gomez¹, Alfonso Sucerquia¹, Michelle Premazzi Papa¹, Peifang Sun³, Liliana Encinales⁴, Andres Cadena⁵, Jorge Piedrahita⁵, Richard Amdur⁶, Paige Fierbaugh¹, Scott Halstead⁷, Gary Simon¹, Kevin Porter³, Rebecca Lynch¹

¹George Washington University, Washington, DC, United States, ²Universidad Libre, Barranquilla, Colombia, ³Navy Medical Research Center, Silver Spring, MD, United States, ⁴Global Disease Research, Barranquilla, Colombia, ⁵Clinica de la Costa, Barranquilla, Colombia, ⁶Northwell University, New York, NY, United States, ⁷Uniformed Services University of Health Sciences, Bethesda, MD, United States

LB-8165

Socioeconomic impact and reduced well-being in women chronically affected by the Chikungunya virus: transcriptomic analysis in the characterization of persistent symptoms.

Hegger Fritsch¹, Gabriel R. Fernandes¹, Maricelia Lima², Neuza J S Silva³, Carla de Oliveira⁴, Isadora C. Siqueira⁵, Marcos Francisco⁵, Elise A. Smith⁶, Jenny Go⁶, Michael Gale⁶, Peter Rabinowitz⁶, Wesley Van Voorhis⁶, Marta Giovanetti⁷, Luiz C J Alcantara¹

¹René Rachou Research Institute - Oswaldo Cruz Foundation, Belo Horizonte, Brazil, ²Feira de Santana State University - Public Health Department, Feira de Santana, Brazil, ³Feira de Santana Municipal Health Secretariat - Epidemiological Surveillance Division, Feira de Santana, Brazil, ⁴Flavivirus Laboratory - Oswaldo Cruz Foundation, Rio de Janeiro, Brazil, ⁵Gonçalo Moniz Research Institute - Oswaldo Cruz Foundation, Salvador, Brazil, ⁶University of Washington, Seattle, WA, United States, ⁷Campus Bio-Medico University of Rome, Roma, Italy

LB-8166

Serosurveillance of Healthcare Workers following occupational exposure to Lassa Fever Virus in 2022

Helen Callaby¹, Ashley Otter², Sebastian Millward², Amanda Semper³, Tim Brooks³, Jake Dunning⁴, Rohinton Mulla⁵, Lucy Rivett⁶, Hongyi Zhang⁶, Katherine Sharrocks⁶, Meera Chand⁷, Colin Brown⁷, Katherine Russell⁸, Marian Killip⁹, Frances Alexander¹⁰, N Claire Gordon³, Catherine F. Houlihan³, Tommy Rampling³

¹University of Aberdeen, Aberdeen, United Kingdom, ²Emerging Pathogen Serology, Porton Down,

United Kingdom, ³Rare and Imported Pathogens Laboratory, Porton Down, United Kingdom, ⁴Royal Free Hospital, London, United Kingdom, ⁵Bedfordshire Hospital Trust, Bedfordshire, United Kingdom, ⁶Cambridge University Hospitals NHS Foundation Trust, Cambridge, United Kingdom, ⁷Clinical and Emerging Infections, UKHSA, Colindale, United Kingdom, ⁸Emerging Infections and Zoonoses, UKHSA, Colindale, United Kingdom, ⁹High Containment and Biological Services, UKHSA, Colindale, United Kingdom, ¹⁰Pathogen Immunology Group, UKHSA, Porton Down, United Kingdom

Poster Session A Presentations

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LB-8167**International Centre for Genetic Engineering and Biotechnology**

Marta Giovanetti¹, Cynthia Vazquez², Mauricio Lima³, Emerson Castro³, Analia Rojas⁴, Andrea Gomez de la Fuente⁴, Carolina Aquino⁵, Cesar Cantero⁶, Fatima Fleitas⁴, Juan Torres⁴, Julio Barrios⁴, Maria Jose Ortega⁴, Maria Liz Gamarra⁴, Shirley Villalba⁴, Tania Alfonso⁴, Joilson Xavier³, Talita Adelino⁷, Hegger Fritsch³, Felipe C. M. Iani⁷, Glauco Carvalho Pereira⁷, Carla de Oliveira⁸, Gabriel Schuab⁹, Evandra Strazza Rodrigues¹⁰, Simone Kashima¹⁰, Juliana Leite¹¹, Lionel Gresh¹¹, Leticia Franco¹¹, Houriyah Tegally¹², Wesley C. Van Voorhis¹³, Richard Lessels¹⁴, Ana Maria Bispo de Filippis⁸, Andrea Ojeda¹⁵, Guillermo Sequera¹⁵, Romeo Montoya¹⁶, Edward C. Holmes¹⁷, Tulio de Oliveira¹², Jairo Mendez Rico¹¹, José Lourenço¹⁸, Vagner Fonseca¹⁹, Luiz Carlos Junior Alcantara³

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Integrative Sciences Institute, Faculty of Sciences, University of Lisbon, Lisbon, 1749-016, Portugal, Lisbon, Portugal, ¹⁹Coordenação de Vigilância, Preparação e Resposta à Emergências e Desastres (PHE), Organização Pan-Americana da Saúde / Organização Mundial da Saúde (OPAS/OMS), Brasilia DF, Brazil, Brasilia, Brazil

LB-8168**Synergism of viral capture sequencing with standard laboratory testing to determine febrile illness etiologies in Bamako Mali**

Amadou Kone¹, Fousseyni Kane¹, Bintou Coulibaly¹, Issa Konate¹, Djeneba K. Dabito¹, Bassirou Diarra¹, Ibrahim Sanogo¹, Yeya dit Sadio Sarro¹, Tenin Aminatou Coulibaly¹, Dramane Diallo¹, Seydou Samake¹, Ilo Dicko¹, Mountaga Diallo¹, Ayouba Diarra¹, Mamadou D. Coulibaly¹, Daouda Keita¹, Nadie Coulibaly¹, Isaac Koloma¹, Mamadou Perou¹, Boubacar Cisse¹, Hawa B. Diarra¹, Antieme CG Togo¹, Gagni Coulibaly¹, Moumine Sanogo¹, Fah Gausoussou Traore¹, Cheick Oumar Tangara¹, Mahamadou Diakite¹, Soukalo Dao¹, Jamila Aboulhab², Esther Akpa², Karine Fouth Tchoss², Aaron Neal², Katy Saliba-Shaw², Ydrissa Sow², Nischay Mishra³, John K. Wickiser³, Thomas Briese³, W. Ian Lipkin³, Ray Y. Chen², Seydou Doumbia¹

¹University of Sciences, Techniques and Technologies of Bamako - USTTB, Bamako, Mali, ²Collaborative Clinical Research Branch, Division of Clinical Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States, ³Center for Infection and Immunity, Columbia University, New York, NY, United States

LB-8169**Immunogenicity of Fractional One-fifth and One-half Doses of Yellow Fever Vaccine Compared with Full Dose in Children 9-23 Months Old in Uganda: Interim 1-year Results**

Alexandra Tuttle¹, Reena Doshi¹, Irene Lubega², Arthur Brian Sekiziyivu², Marjorie Najjengo², John Timothy Kayiwa³, Eric Mossel⁴, Ellon Twinomuhwezi-Oyet², Conrad Tumwine², Angela Namwanje², Winfred Nansozi Nakato², Annet Nankya³, Charles Semakula¹, Immaculate Ampaire⁵, Jane F. Gidudu¹, Terri Hyde¹, Andrew Kambugu², J. Erin Staples⁴, Rebecca Casey¹, Susan Y. Chu¹

¹Global Immunization Division, Centers for Disease Control and Prevention, Atlanta, GA, United States, ²Infectious Disease Institute, College of Health Sciences, Makerere University, Kampala, Uganda, ³Uganda Virus Research Institute, Entebbe, Uganda, ⁴Division of Vector-Borne Diseases, Centers for Disease Control and Prevention, Fort Collins, CO, United States, ⁵Expanded Program on Immunization, Ministry of Health, Kampala, Uganda

Poster Session A Presentations

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LB-8170

Development of an Orally Available Antiviral Drug for Yellow Fever

Jinhong Chang¹, Fuxuan Wang¹, Zhao Gao¹, Lin Zhang¹, Sumangala Darsandhari¹, Abbie Weight², Justin Julander², Yanming Du¹, Ju-Tao Guo¹
¹Baruch S. Blumberg Institute, Doylestown, PA, United States, ²Utah State University, Logan, UT, United States

LB-8171

Seroepidemiology Cohort Study in Support of Lassa Fever Vaccine Development in Sierra Leone, Baseline Data

Donald Grant¹, Matt A. Price², Emily Engel³, Nell Bond³, Robert F. Garry³, Robert Samuels¹, Mambu Momoh¹, Lansana Kanneh¹, John S. Schieffelin³, Sophie Mathewson², Jeffrey G. Shaffer³, Suzanna C. Francis², Pat E. Fast², Swati Gupta²
¹KGH, Kenema, Sierra Leone, ²IAVI, New York, NY, United States, ³Tulane University, New Orleans, LA, United States

LB-8172

Detection of polioviruses using lateral flow-based CRISPR-Cas13 system

Suporn Pholwat¹, Erin Westone¹, Ben Lepene², Patrick Anderson², Caleb Cantrell², Mami Taniuchi¹
¹University of Virginia, Charlottesville, VA, United States, ²Ceres Nanosciences Inc., Manassas, VA, United States

LB-8173

Descriptive analysis of unique chikungunya outbreaks

Sandra Mendoza Guerrero¹, Alex Meyer², Troy A. Perkins², Steven Stoddard¹
¹Bavarian-Nordic, Durham, NC, United States, ²University of Notre Dame, Notre Dame, IN, United States

LB-8174

Incidence of dengue in high malaria transmission settings and associated risk factors in Burkina Faso

SIKA DEBE

Centre national de recherche et de formation sur le paludisme, Ouagadougou, Burkina Faso

LB-8175

Preliminary Results: Prevalence and Pathophysiologic Mechanisms of Amenorrhea Among Women Survivors of the 2014 - 2016 Ebola Outbreak in Sierra Leone

Crystal Zheng, Emily Engel, Nell Bond, Robert Garry, John Schieffelin
Tulane University, New Orleans, LA, United States

LB-8176

Neurodevelopmental delay in preschool children exposed to Zika virus during pregnancy: An observational prospective study in the ZIKAlliance cohort, Colombia

Diana Lizeth Niño Saavedra¹, Jurg Niederbacher Velasquez¹, Victor Herrera¹, María Consuelo Miranda Montoya¹, Laura Isabel Valencia¹, Anyela Lozano¹, Claudia Paola Acevedo¹, Rosa Margarita Gelvez², Luis Angel Villar²
¹Industrial University of Santander, Bucaramanga, Colombia, ²Centro de Atención y Diagnóstico de Enfermedades Infecciosas-CDI, Fundación INFOVIDA, Bucaramanga, Colombia

LB-8177

Use of a multiplexed serology assay to detect IgG-specific responses to CCHFV and RVFV in small ruminants

Aminata Ba¹, Mbengué Ndiaye¹, Gaye Laye Diop¹, Thialaw Sarr¹, Keersten Ricks², Jessica Radzio-Basu³, Modou Moustapha Lo¹
¹Institut Sénégalais de Recherches Agricoles, Laboratoire National de l'Élevage et de Recherches Vétérinaires, Dakar, Senegal, ²U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID), Frederick, MD, United States, ³The Pennsylvania State University, University Park, PA, United States

LB-8178

Serological evidence of exposure to emerging pathogens, including Lassa and Hantaan viruses, in Senegal

Maryam Diarra¹, Safietou Sankhe², Mamadou Aliou Barry¹, Fatoumata Diene Sarr¹, Mamadou Korka Kindy Diallo¹, Keersten Ricks³, Moussa Moise Diagne², Jessica Radzio-Basu⁴
¹Epidemiology, Clinical Research and Data Science Department, Institut Pasteur de Dakar, Dakar, Senegal, ²Virology Department, Institut Pasteur de Dakar, Dakar, Senegal, ³USAMRIID, Fredrick, MD, United States, ⁴The Pennsylvania State University, University Park, PA, United States

Poster Session A Presentations

Thursday, October 19, 2023, Noon - 1:45 pm
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LB-8179

Use of Spikevax in the Kingdom of Bhutan - Interim results of immunogenicity following vaccination

Sithar Dorjee¹, Sonam Wangchuk², Sangay Zangmo², Pema Dorji³, Sonam Choden², Haixing Wang⁴, Evan Anderson⁴, Lei Zhu⁴, **Morgan Marks**⁴, Tshokey Tshokey³

¹Khesar Gyalpo University of Medical Sciences of Bhutan, Thimphu, Bhutan, ²Royal Center for Disease Control, Thimphu, Bhutan, ³Jigme Dorji Wangchuck National Referral Hospital, Thimphu, Bhutan, ⁴Moderna Therapeutics Inc, Cambridge, MA, United States

LB-8180

A Phase 2, Randomized, Double-Blind, Placebo-Controlled Trial of AT-752, a Novel Nucleotide Prodrug with Pan-Serotype Activity, in Adult Patients with Dengue Virus Infection

Arantxa Horga¹, Mauro M. Teixeira², Swapnav Borthakur³, Richa Giri⁴, Shannan Lynch¹, Janice Chin¹, Laura Ishak¹, Xiao-Jian Zhou¹, Keith Pietropaolo¹, Bruce Belanger¹, Yang Lei¹, Qi Huang¹, Janet Hammond¹

¹Atea Pharmaceuticals, Inc., Boston, MA, United States, ²Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, ³Down Town Hospital, Guwahati, India, ⁴G.S.V.M. Medical College, Kanpur, India

Poster Session 73

Poster Session B Presentations

Friday, October 20, 2023, Noon - 1:45 pm

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Late-Breakers in Basic Sciences

Basic Sciences - Arthropods/Entomology #LB-8188 through LB-8199
Basic Sciences - Malaria #LB-8200 through LB-8227
Basic Sciences - Molecular Parasitology #LB-8228 through 8236
Basic Sciences - Viruses (all other viruses) #LB-8237 through LB-8247

Late-Breakers in Clinical and Applied Sciences

Clinical and Applied Sciences - Bacteriology and Diarrhea..... #LB-8248 through LB-8266
Clinical and Applied Sciences - Global Health #LB-8267 through LB-8286
Clinical and Applied Sciences - Integrated Control Measures for
Neglected Tropical Diseases (NTDs) #LB-8287 through LB-8298
Clinical and Applied Sciences - Malaria #LB-8299 through LB-8334
Clinical and Applied Sciences – Protozoa #LB-5105 through LB-5106
Clinical and Applied Sciences – Malaria #LB-5107 through LB-5134
Clinical and Applied Sciences - One Health: The Interconnection
between People, Animals, Plants and Their Shared Environment..... #LB-8335 through LB-8345
Clinical and Applied Sciences - Viruses (all other viruses) #LB-8346 through LB-8360
Clinical and Applied Sciences - Water, Sanitation, Hygiene and
Environmental Health #LB-8361 through LB-8368

LB-8188

Genome-wide detection of Wolbachia in natural Aedes aegypti populations using ddRAD-Seq

Atikah Fitria Muharromah, Jerica Isabel L Reyes, Ngure Kagia, Kozo Watanabe
Ehime University, Matsuyama, Japan

LB-8189

Impact assessment of a community-based dengue control intervention in five states of Venezuela: Knowledge, Attitudes and Practices (KAP) and entomological indicators

Enrique Caraballo¹, Gianna Martiradonna², Luisa Elena Figueroa Acosta², Jeraldin Molina Moreno², Jesús Alberto Berti Moser², Juancarlos Salazar², **Sérgio Lopes**³, Joana Sá³, Gonçalo Alves³
¹Iniciativa Mentor, Caracas, Bolivarian Republic of Venezuela, ²Institute of Higher Studies Dr. Arnaldo Gabaldon, Maracay, Bolivarian Republic of Venezuela, ³The Mentor Initiative, Haywards Heath, United Kingdom

LB-8190

The role of probiotics on the development and fitness of Aedes aegypti mosquito

Maggy Sikulu-Lord, Tharanga Kariyawasam, Sassan Asgari
The University of Queensland, Brisbane, Australia

LB-8191

Widespread distribution of Aedes aegypti in remote regions of the Peruvian Amazon: ecological insights on rural invasion and implications for public health education

Kara Fikrig¹, Arnold Omar Noriega Delgado², Rosa Angelina Rodriguez Vasquez³, John Bardales Cardenas³, Jose Rivas³, Alex Nading¹, Becker Reyna Aspajo⁴, Guido Izquierdo Tolentino⁵, Gissella M. Vasquez⁶, Ryan T. Larson⁶, Amy C. Morrison⁷, Laura C. Harrington¹
¹Cornell University, Ithaca, NY, United States, ²Universidad Nacional de la Amazonia Peruana, Iquitos, Peru, ³Prisma, Lima, Peru, ⁴Gerencia Regional de Salud, Loreto, Iquitos, Peru, ⁵Centro de Salud, Requena, Requena, Peru, ⁶U.S. Naval Medical Research Unit No.6, Lima, Peru, ⁷University of California Davis, Davis, CA, United States

Poster Session B Presentations

Friday, October 20, 2023, Noon - 1:45 pm
Grand Hall GHI – Ballroom Level (East Tower)

LB-8192**Diversity of Mosquito Vectors across different Land-use Habitat in The Gambia**

Gillian Eastwood¹, Muhammed M. Camara², Ebrima Jawara³, Amie K. Njie², Diawo Diallo⁴, Harouna D. Soumare², Umberto D'alessandro², Marta Moreno Leirana⁵

¹Virginia Polytechnic Institute & State University, Blacksburg, VA, United States, ²MRC The Gambia, Fajara, Gambia, ³MRC The Gambia, Basse, Gambia, ⁴Institute Pasteur de Dakar, Dakar, Senegal, ⁵London School of Hygiene & Tropical Medicine, London, United Kingdom

LB-8193**Effects of the microbiota on life history traits in male Aedes aegypti mosquitoes.**

Sarah M. Short, Dominique Joseph, Dom Magistrado, Luis E. Martinez
The Ohio State University, Columbus, OH, United States

LB-8194**Larvicidal Activities of Yeast Encapsulated Orange and Spearmint Oil against Culex and Aedes species****Elle Joana Winfield**

Walter Reed Army Institute of Research, Silver Spring, VA, United States

LB-8195**Biophysical Interaction of Aedes and Culex Salivary Compounds with Structural and Non-Structural Protein 1 (NS1) from Multiple Arboviruses****Andrezza Campos Chagas**

WRAIR, Silver Spring, MD, United States

LB-8196**Population genomic analysis of the invasive malaria vector Anopheles stephensi provides insights into its dispersal patterns in Yemen**

Jeanne N. Samake¹, Yasser Abdullah Baheshm², Methaq Assada³, Mohammed Al-Hadi³, Mohammed A. Esmail³, Abdullah A. Awash⁴, Adel Aljasari⁵, Payton Gomien¹, Alia Zayed⁶, James Harwood⁷, Audrey Lenhart⁸, Sarah Zohdy⁸, Samira M. Al-Eryani⁹, Tamar

E. Carter¹

¹Baylor University, Waco, TX, United States, ²National Malaria Control Program, Ministry of Health, Aden, Aden, Yemen, ³National Malaria Control Program, Ministry of Health, Sana'a, Sana'a, Yemen, ⁴World Health Organization Country Office, Aden, Yemen, ⁵World Health Organization Country Office, Sana'a, Yemen, ⁶US Naval Medical Research Unit-EURAFCENT, Cairo Detachment, Egypt, ⁷US Naval Medical Research Unit-EURAFCENT (previously NAMRU-3), Sigonella, Italy, ⁸U.S. Centers for Disease Control and Prevention, Atlanta, GA, United States, ⁹World Health Organization Eastern Mediterranean Regional Office, Cairo, Egypt

LB-8197**Investigating the lipid profile of Anopheles stephensi mosquitoes when exposed to subzero temperatures.**

Gabriela Ramirez, Emily N. Gallichotte, Michael C. Young, MaKala Herndon, Elisha Xiao-Kim, Jackson Watkins, Madison Stoltz, Maria Alexandra Marquez, Gaukhar Iskakova, Karen Dobos, Gregory D. Ebel, Jennifer Barfield
Colorado State University, Fort Collins, CO, United States

LB-8198**New mosquito vector distribution models incorporating microhabitats improve distribution predictions under a changing climate**

Katie M. Susong, Susan Paskewitz, Lyric Bartholomay
University of Wisconsin - Madison, Madison, WI, United States

LB-8199**Mosquito Surveillance to Determine Pathogens Risk in Central Oklahoma**

Elora Jones, Mikayla Antichevich, Victoria Peter, Jhonathan Guerrero, Caio Martinelle B. Franca
Southern Nazarene University, Bethany, OK, United States

LB-8200**Peptide Cross-Reactivity has Functional Potential for MAM01 Efficacy**

Yewel Flores-Garcia¹, Shamika Mathis-Torres¹, Minah Park¹, Kayla Andrews², Jared Silverman², Fidel Zavala¹
¹Bloomberg School of Public Health, Malaria Research Unit, Johns Hopkins University, Baltimore, MD, United States, ²Bill & Melinda Gates Medical Research Institute, Cambridge, MA, United States

Poster Session B Presentations

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LB-8201

Field performance of Interceptor®, Interceptor® G2, and PermaNet® 3.0 brand insecticide-treated nets across three districts in Burkina Faso over 36 months - Results from a 2019-2022 durability monitoring study

Jacky Raharinjatovo¹, Stephen Poyer², Tiecoura Camara³, Mame Birame Diouf⁴, Allison Belemvire⁵, Lilia Gerberg⁵, Kone Adama⁶, Djenam Jacob⁷, Sheila Ogoma⁸, Aristide Hien⁹, Dieudonné Diloma Soma⁹, Roch Kounbobr Dabiré⁹, Keith Esch²
¹PMI VectorLink, Population Services International, Antananarivo, Madagascar, ²PMI VectorLink, Population Services International, Washington, DC, United States, ³Burkina Faso Permanent Secretariat for Malaria Elimination, Ouagadougou, Burkina Faso, ⁴United States President's Malaria Initiative, Ouagadougou, Burkina Faso, ⁵United States President's Malaria Initiative, Washington, DC, United States, ⁶PMI VectorLink, Abt Associates, Ouagadougou, Burkina Faso, ⁷PMI VectorLink, Abt Associates, Washington, DC, United States, ⁸PMI VectorLink, Abt Associates, Nairobi, Kenya, ⁹Institut de Recherche en Sciences de la Santé, Ouagadougou, Burkina Faso

LB-8202

"Evolution of the quality of malaria data reported in DHIS2 in the Democratic Republic of the Congo from 2018 to 2022 assessed through data quality score."

Erick Mukomena¹, Packy Mukanya¹, Hyacinthe Kaseya¹, Meschack Mutombo¹, Erick Katanga², André N. Kaseba³, **Yves Ilunga**⁴, Erick Tshikamba⁵
¹NMCP/PNLP, Kinshasa, Democratic Republic of the Congo, ²Direction of Primary Health Care, Kinshasa, Democratic Republic of the Congo, ³University of Lubumbashi, Lubumbashi, Democratic Republic of the Congo, ⁴Country Health Information System and Data Use (CHISU), Kinshasa, Democratic Republic of the Congo, ⁵USAID PMI, Kinshasa, Democratic Republic of the Congo

LB-8203

Quality of insecticide treated nets mass distribution campaign in Kasai Province of the Democratic Republic of the Congo: Results from a post-campaign verification assessment, 2023

Mulamuli Mpofo¹, Tyler Williamson¹, Alidor Kubi Kuamba¹, Remy Ngoy¹, Ferdinand Ntoya², Yibayiri Osee Sanogo³, Ruphin Mulongo¹, Jeanine Musau¹
¹Chemonics International Inc, Washington, DC, United States, ²President's Malaria Initiative, USAID, Kinshasa, Democratic Republic of the Congo, ³President Malaria Initiative, Centers for

Disease Control and Prevention, Kinshasa, Democratic Republic of the Congo

LB-8204

Comparison of Infection Outcomes and Feeding Parameters in Direct Skin Feeding and Direct Membrane Feeding Assays in a Controlled Human Malaria Infection Transmission Model CHMI-trans in Healthy Malian Adults

Daman Sylla¹, ADAMA SACKO¹, Jennifer C.C Hume², Moussa Diallo¹, Abdrahamane Fofana¹, Boubacar Coulibaly¹, yacouba Diarra¹, Yacouba Dembele¹, Sale Sidibe¹, Abdoulaye Katile¹, Teun Bousema³, Matthew B. McCall³, Bourama Kamate¹, Makcus Gmeiner³, John C.C Woodford², Issaka Sagara¹, Bridget E. Barber⁴, Stephen L. Hoffman⁵, Jennifer Kwan⁶, Heather Goodman², Patrick Duffy², Katharine Collins³, Mamadou B. Coulibaly¹
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LB-8205

Malaria rapid diagnostic tests reliably detect asymptomatic Plasmodium falciparum in school aged children that are infectious to mosquitoes

Mgeni M. Tambwe¹, Lorenz M. Hofer², Prisca A. Kweyamba¹, Mohamed S. Chabo¹, Sonali Maitra³, Sarah J. Moore¹
¹Ifakara Health Institute, Bagamoyo, Tanzania, United Republic of Tanzania, ²Vector Biology Unit, Department of Epidemiology and Public Health, Swiss Tropical and Public Health, Institute, Kreuzstrasse 2, 4123 Allschwil, Basel, Switzerland, ³Vector Biology Unit, Department of Epidemiology and Public Health, Swiss Tropical and Public Health, Institute, Kreuzstrasse 2, 4123 Allschwil, Basel, Switzerland

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LB-8206

Effect of *P. falciparum* cumulative asexual replication and its role in parasite persistence

Martin Kampmann¹, Manuela Carrasquilla¹, Christina Ntalla¹, Ina Wagner¹, Khiara Berkowitz-Sklar¹, Olivia Lamers², Hamidou Cisse³, Safaitou Doumbo³, Didier Doumtabe³, Kassoum Kayentao³, Aissata Ongoiba³, Moussa Niangaly¹, Hans-Joachim Mollenkopf¹, Peter Crompton⁴, Boubacar Traore³, Benjamin Mordmueller², Silvia Portugal¹

¹Max-Planck-Institute for Infection Biology, Berlin, Germany, ²Radboud University Medical Center, Nijmegen, Netherlands, ³International Center of Excellence in Research, Bamako, Mali, ⁴Laboratory of Immunogenetics, NIAID, National Institutes of Health, Rockville, MD, United States

LB-8207

Taking advantage of field parasites diversity to evaluate drugs combination selection and emergence of resistance

Laurent Dembele, Fanta Sogore, Ousmaila Diakité, Mohamed Maiga, Fatoumata Ousmane Maiga, Abdoulaye Djimde
MRTC-USTTB, Bamako, Mali

LB-8208

MAM01 Demonstrates Protection Against *Plasmodium falciparum* (Pf) Malaria in Humanized Mouse Model

Thomas Martinson, Maya Aleshnick, Payton Kirtley, Brandon Wilder
Oregon Health and Science University, Beaverton, OR, United States

LB-8209

Complement Receptor 1 is the human erythrocyte receptor for *Plasmodium vivax* Erythrocyte Binding Protein

Seong-Kyun Lee¹, Cécile Crosnier², Paola Carolina Valenzuela Leon¹, John P. Atkinson³, Gavin J. Wright², Eric Calvo¹, Louis H. Miller¹, Karthigayan Gunalan¹
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LB-8210

Estimation of Malaria Parasite Migration Using Gene Flow Simulations: Addressing the Impact of Sparse Sample Locations

Yao Li¹, Bing Guo², Shannon Takala Harrison², Kathleen Stewart¹
¹University of Maryland, College Park, MD, United States, ²University of Maryland School of Medicine, Baltimore, MD, United States

LB-8211

A Targeted Approach to Treatment of Malaria: Cytoskeletal Inhibitors Blocks Multiple Stages of the *Plasmodium* Lifecycle

Alice Racca¹, Anastasia Karabina¹, Gustave Bergnes¹, Matt Duncton¹, Aminah Dawood¹, Stephanie Ouchida¹, Heba Wander¹, Seongwon Jung¹, Nimisha Mittal², Tonnie Huijs³, Annamma Spudich¹, Kathleen Ruppel¹, Koen Dechering³, Elizabeth Winzeler², Suman Nag¹, Darshan Trivedi¹, James Spudich¹
¹Kainomyx, Palo Alto, CA, United States, ²University of California - San Diego, La Jolla, CA, United States, ³TropIQ Health Sciences, Nijmegen, Netherlands

LB-8212

Structural Analysis of *Plasmodium vivax* Circumsporozoite Protein

DEBASISH CHATTOPADHYAY¹, Anjali Jadava², Shihong Qiu¹, Qiao Shang¹, Chad M. Petit¹, Todd J. Green¹
¹University of Alabama at Birmingham, Birmingham, AL, United States, ²Walter Reed Army Institute of Research, Silver Spring, MD, United States

LB-8213

Quality of malaria case management at health facilities in six provinces in Angola, October to December 2022

Gabriel Ponce de Leon¹, Dean Sayre¹, Benjamin Nieto-Andrade², Rukaaka Mugizi², Admilde Jose², Venceslau Pelenda², Claudete Samutondo², Joltim Quivinja², Joana do Rosario³, Sarah Labuda⁴, Elisa Miguel⁵, Pedro R. Dimbu⁵, Mateusz Plucinski⁶, José Franco Martins⁵
¹Centers for Disease Control and Prevention, Atlanta, GA, United States, ²PSI Angola, Luanda, Angola, ³USAID Angola, Luanda, Angola, ⁴Centers for Disease Control and Prevention, Luanda, Angola, ⁵Programa Nacional de Controlo da Malaria, Luanda, Angola, ⁶Centers for Disease Control and Prevention, ATLANTA, GA, United States

Poster Session B Presentations

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LB-8214**Analyse des décès survenus dans les hôpitaux publics et la santé districts au Sénégal en 2022****ABDOULAYE MAMADOU BA**

Programme National de Lutte contre le Paludisme,
Dakar, Senegal

LB-8215**Composition of the hypoxic gas mixture affects readouts of the Ring-Stage Survival Assay**

Standwell C. Nkhoma, Amel O.A. Ahmed, Sujatha Rashid, Rebecca Bradford, Robert E. Molestina
ATCC Federal Solutions, American Type Culture Collection, Manassas, VA, United States

LB-8216**Varied prevalence of antimalarial drug resistance markers in different Ugandan refugee populations**

STEPHEN TUKWASIBWE¹, Joaniter I. Nankabirwa¹, Gerald Mboowa², Shreeya Garg³, David Giesbrecht⁴, Thomas Katairo¹, Brian Asiimwe¹, Victor Asua¹, Gerald Tumusiime⁵, Emmanuel Arinaitwe¹, Samuel L. Nsobyia¹, Moses R. Kanya¹, Jessica Briggs³, Bryan Greenhouse³, Grant Dorsey³, Jeffrey A. Bailey⁴, Melissa Conrad³, Philip J. Rosenthal³
¹IDRC, KAMPALA, Uganda, ²Makerere University, KAMPALA, Uganda, ³UCSF, San Francisco, CA, United States, ⁴Brown University, Providence, RI, United States, ⁵Uganda Christian University, KAMPALA, Uganda

LB-8217**Pathological tau protein is important in the development of cerebral endotheliopathy, neuroinflammation, and memory impairment in mice with experimental cerebral malaria**

Oscar B. Akide Ndunge¹, Henry J. Shikani², **Mahalia S. Desruisseaux**¹
¹Yale School of Medicine, New Haven, CT, United States, ²Albert Einstein College of Medicine, Bronx, NY, United States

LB-8218**Monitoring of malaria drug resistance in Ghana using an Innovative malaria molecular surveillance method**

Nukunu Etornam Akyea-Bobi¹, Karamoko Niare², Rita Afriyie Boateng¹, Prince Horlortu¹, Michaella Ahorbo¹, Henrietta Sasu¹, Samuel Nyarko¹, Eunice Obeng¹, Benedicta Mensah¹, Benjamin Abuaku¹, Jeffrey Bailey², Anita Ghansah¹
¹Noguchi Memorial Institute for Medical Research, Accra, Ghana, ²Brown University, Providence, RI, United States

LB-8219**Detection of resistance genes to the insecticides kdr and ace-1R in wild populations of Anopheles gambiae s.l. in indoor residual spraying in the three sites of Baraoueli district Mali**

Rabiatou Adolphe Diarra, Abdallah Amadou Diallo, Moussa Keita, Mohamed Moumine Traore, Mamadou Coulibaly, Alpha Seydou Yaro
Malaria Research and Training Center/University Clinical Research Center, Bamako, Mali

LB-8220**Understanding the development of drug resistance in liver stages of Plasmodium falciparum**

Magarida Ruivo¹, Ines Marreiros¹, Malhar Khushu², Selina Bopp², David Calvo¹, David Cebrián¹, Carmen Cuevas¹, Sara Viera-Morilla¹, Dyann F. Wirth², Maria Jose Lafuente-Monasterio¹, Amanda K. Lukens³
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

LB-8221**Plasmodium falciparum population structure inferred by msp1 amplicon sequencing of parasites collected from febrile patients in Kenya**

Brian Andika¹, Victor Mobegi², Kimita Gathii¹, Josphat Nyataya¹, Naomi Maina³, George Awinda¹, Beth Mutai¹, **John N. Waitumbi**¹
¹KEMRI/United States Army Medical Research Directorate-Africa, Kisumu, Kenya, ²University of Nairobi, Nairobi, Kenya, ³Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya

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LB-8222**Malaria surveillance using next generation molecular tools in Benin, 2021**

Aminatou Kone¹, Antoine Dara¹, Aurore Ogouyemi², Stella Babalola³, Saliou A. Ramani², Mateusz Plucinski⁴, Abdoulaye Djimde¹

¹USTTB, Bamako, Mali, ²NMCP, Cotonou, Benin, ³Johns Hopkins Bloomberg Public Health school, Baltimore, MD, United States, ⁴Centers for Disease Control and Prevention, Atlanta, GA, United States

LB-8223**The effects of extreme heat events on Sahelian Anopheles & implications for malaria transmission**

Moussa M. DIALLO¹, Adama DAO¹, Zana L. SANOGO¹, Djibril SAMAKE¹, Alpha S. YARO¹, Peter D. CROMPTON², Luis CHAVES³, Mariel FRIBERG⁴, Tovi LEHMANN⁵

¹USTTB, Bamako, Mali, ²LIG, Rockville, MD, United States, ³Indiana University, Bloomington, IN, United States, ⁴NASA, Maryland, MD, United States, ⁵LMVR, Rockville, MD, United States

LB-8224**A Multistage Vaccine Against Malaria Infection and Transmission**

Puthupparampil V. Scaria¹, Emma Ryan², Dallas Brown², Nada Alani¹, Olga Muratova¹, Emma Barnafo¹, Lynn Lambert¹, Irfan Zaidi¹, Kelly M. Rausch¹, Camille Lange³, Evelina Angov², Mangala Rao², Gary Matyas², Paul Robben², David L. Narum¹, Patrick E. Duffy¹, Sheetij Dutta²

¹Laboratory of Malaria Immunology and Vaccinology, NIAID/NIH, Bethesda, MD, United States, ²Walter Reed Army Institute of Research, Silver Spring, MD, United States, ³Henry M. Jackson Foundation for Military Medicine, Bethesda, MD, United States

LB-8225**The implementation of community delivery of intermittent c(IPT) among pregnant women in remote rural areas: The Senegal experience**

SEYNABOU GAYE, **SEYNABOU GAYE**
RTI, DAKAR, Senegal

LB-8226**Exploring Pipecolic Acid as a Metabolic Etiology for Cerebral Malaria Coma**

Maxwell Rubin¹, Cheryl Sachdeva¹, Akua Mensah¹, Eddie Nieves¹, Tarun Keswani², Nicole O'Brien³, Terrie Taylor⁴, Aristeia Galanopoulou¹, Stephen Ray⁵, Karl Seydel⁴, Johanna P. Daily¹

¹Albert Einstein College of Medicine, Bronx, NY, United States, ²Massachusetts General Hospital, Boston, MA, United States, ³The Ohio State University College of Medicine, Columbus, OH, United States, ⁴Michigan State University, East Lansing, MI, United States, ⁵Institute of Infection, Veterinary & Ecological Sciences, University of Liverpool, Liverpool, United Kingdom

LB-8227**Cost and cost-effectiveness of extending smc to a fifth cycle in Guinea, Mali, Niger**

Halimatou Diawara
MRTC, BAMAKO, Mali

LB-8228**Metabolic changes to host cells with Toxoplasma gondii infection**

Gina Marcela Gallego Lopez¹, Emmanuel Guzman¹, Melissa Skala¹, Laura Knoll²

¹Morgridge Institute for Research, Madison, WI, United States, ²University of Wisconsin-Madison, Madison, WI, United States

LB-8229**Defining novel mechanisms of meiosis and centromere dynamics in Cryptosporidium parvum.**

Abigail K. Kimball¹, Lisa Funkhouser-Jones¹, Rui Xu¹, Wanyi Huang¹, William Witola², L. David Sibley¹
¹Washington University in St Louis, Saint Louis, MO, United States, ²University of Illinois College of Veterinary Medicine, Urbana, IL, United States

LB-8230**Genetic analysis of virulence in Cryptosporidium parvum**

Wanyi Huang¹, Rui Xu¹, Abigail Kimball¹, William Witola², Yaoyu Feng³, Lihua Xiao³, David L. Sibley¹
¹Department of Molecular Microbiology, Washington University School of Medicine, Saint Louis, MO, United States, ²Department of Pathobiology, College of Veterinary Medicine, University of Illinois, Urbana, IL, United States, ³Center for Emerging and Zoonotic Diseases, College of Veterinary Medicine, South China Agricultural University, Guangzhou, China

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LB-8231**Characterization of regulatory T cells profiles associated to the risk of Early-Onset Sepsis of neonates in malaria-endemic area in Benin**

Darius Sossou¹, Sem Ezinmegnon², Gino Agbota³, Komi Gbédandé¹, Manfred Accrombessi¹, Achille Massougbodji¹, Marceline d'Almeida⁴, Jules M Alao⁵, Alexandre Pachot⁶, Karen Brengel-Pesce⁵, Akadiri Yessoufou⁷, Valerie Briand³, Pierre Tissières⁸, Nadine Fievet³

¹Institut de Recherche Clinique du Bénin (IRCB), Cotonou, Benin, ²Institute of Integrative Biology of the Cell (I2BC) CNRS, CEA, University Paris Saclay,, Paris, France, ³Paris-city University, MERIT, Institute of Research for Development (IRD), Paris, France, ⁴Pediatric Department, National University Hospital Center (CNHU), Cotonou, Benin, ⁵Pediatric Department, Mother and Child University and Hospital Center (CHUMEL), Cotonou, Benin, ⁶Medical Diagnostic Discovery Departement » bioMérieux, Marcy l'Etoile, France, ⁷Faculty of Sciences and Technology (FAST), University of Abomey-Calavi, Institute of Applied Biomedical Sciences (ISBA), Laboratory of Cell Biology and Physiology, Cotonou, Benin, ⁸Pediatric Intensive Care and Neonatal Medicine, AP-HP Paris Saclay University, Bicêtre Hospital, Le Kremlin-Bicêtre, France

LB-8232**Measuring the immune memory manipulation of Th1, Th2, and Th17 cells in the face of Leishmania major**

Mebrahtu G. Tedla

University of Missouri Columbia, Columbia, MO, United States

LB-8233**Uncovering P. falciparum genes required for mosquito infection using a conditional knockdown approach**

Kelly Hanner¹, Heather Kudyba¹, Brendan Sweeney¹, Tales Pascini¹, Zarna Pala¹, Vasant Muralidharan², Joel Vega-Rodriguez¹

¹National Institutes of Health, Rockville, MD, United States, ²University of Georgia, Athens, GA, United States

LB-8234**Connecting the Cytoskeleton and Organelles during Plasmodium falciparum Cytokinesis**

James Blauwkamp¹, Krithika Rajaram², Sean Prigge², Sabrina Absalon¹

¹Indiana University School of Medicine, Indianapolis, IN, United States, ²Johns Hopkins University, Baltimore, MD, United States

LB-8235**Molecular detection and characterization of Trypanosoma cruzi and Trypanosoma rangeli infections in triatomine vectors from rural regions of Panama.**

Vanessa Pineda Segundo¹, Kadir Gonzalez Carrion¹, Jose E. Calzada¹, Azael Saldaña Patiño²

¹Gorgas Memorial Institute for Health Studies, Panama, Panama, ²Panama University, Panama, Panama

LB-8236**Design and validation of a multiplexed amplicon sequencing panel for Plasmodium vivax genomic epidemiology in Latin America**

Paulo Manrique¹, Philipp Schwabl¹, Sarah Auburn², Daniel E. Neafsey¹

¹Harvard TH Chan School of Public Health, Boston, MA, United States, ²Menzies School of Health Research, Darwin, Australia

LB-8237**Phylogenetic Reconstructions Reveal the Circulation of a Novel Dengue Virus-1V Clade and the Persistence of a Dengue Virus-2III Genotype in Northeast Brazil.**

Hegger Fritsch¹, Keldenn Moreno¹, Italo A B Lima², Cleiton S. Santos², Bernardo G G Costa², Breno L D Almeida², Ronald A. dos Santos², Marcos Vinicius L O Francisco², Maria Paula S. Sampaio², Maricelia M. Lima³, Felicidade M. Pereira⁴, Vagner Fonseca⁵, Stephane Tosta¹, Joilson Xavier¹, Carla de Oliveira⁶, Talita Adelino⁷, Arabela L S de Mello⁴, Tiago Gräf⁸, Luiz Carlos J. Alcantara⁹, Marta Giovanetti¹⁰, Isadora C. Siqueira²

¹Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, ²Instituto Gonçalo Moniz - Fundação Oswaldo Cruz, Salvador, Brazil, ³Universidade Estadual de Feira de Santana, Feira de Santana, Brazil, ⁴Laboratório Central de Saúde Pública Prof Goncalo Moniz, Salvador, Brazil, ⁵Organização Pan-Americana de Saúde/Organização Mundial de Saúde, Brasília, Brazil, ⁶Laboratório de Flavivirus - Instituto Oswaldo Cruz, Rio de Janeiro, Brazil, ⁷Laboratório Central de Saúde Pública do Estado de Minas Gerais - Fundação Ezequiel Dias, Belo Horizonte, Brazil, ⁸Laboratório de Virologia Molecular - Instituto Carlos Chagas, Curitiba, Brazil, ⁹Instituto Rene Rachou - Fundação Oswaldo Cruz, Belo Horizonte, Brazil, ¹⁰University of Campus Bio-Medico, Roma, Italy

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LB-8238

Pathogenesis and transmission of severe fever with thrombocytopenia syndrome virus in experimentally infected animals

Jeffrey M. Marano¹, Angela M. Bosco-Lauth¹, Airn E. Hartwig¹, Stephanie M. Porter², Nicole M. Nemeth³, Marissa Quilici¹

¹Colorado State, Fort Collins, CO, United States, ²United States Department of Agriculture - Animal & Plant Health Inspection Service, Fort Collins, CO, United States, ³University of Georgia, Athens, GA, United States

LB-8239

The 3rd decade of Dengue Virus Circulation in Rural Thailand

Kanyarat Phutthasophit¹, Thidarat Intararit¹, Chonticha Klungthong¹, Surachai Kaewhiran², Wirach Kateudomsup², Parinya Nakpoonabutra², Sopon Iamsirithaworn², Aaron Farmer¹, Stefan Fernandez¹, Darunee Buddhari¹

¹Department of Virology, USAMD-AFRIMS, Bangkok, Thailand, ²Ministry of Public Health, Bangkok, Thailand

LB-8240

Analysis of the Aedes mosquito virome in Kimpese, Democratic Republic of the Congo

Wenqiao He

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

LB-8241

An Update on Ebola River Virus Outbreak Conditions

Compton James Tucker¹, Jorge Pinzon¹, Randal D. Koster¹, Herman Shugarrrt², pierre Formenty³

¹NASA Goddard Space Flight Center, Greenbelt, MD, United States, ²University of Virginia, Charlottesville, VA, United States, ³World Health Organization, Geneva, Switzerland

LB-8242

Uncovering relationships between antigenic and genetic evolution in dengue viruses A machine learning approach

Ozan Kiratli¹, Lin Wang², Derek A. T. Cummings³, Henrik Salje⁴, Matthew A. Conte¹

¹Walter Reed Army Institute of Research, Silver Spring, MD, United States, ²Cambridge University, Cambridge, United Kingdom, ³University of Florida, Gainesville, FL, United States, ⁴Cambridge University, Cambridge, United Kingdom

LB-8243

Genomic Surveillance of Rabies Virus in Georgian Canines

Celeste Huaman¹, Adrian C. Paskey², Caitlyn Clouse², Austin Feasley¹, Madeline Rader¹, Gregory K. Rice², Andrea E. Luquette², Maren C. Fitzpatrick², Hannah M. Drumm², Regina Z. Cer², Marina Donduashvili³, Tamar Buchukuri³, Anna Nanava⁴, Christine E. Hulseberg⁴, Michael A. Washington⁵, Eric D. Laing¹, Francisco J. Malagon², Kimberly A. Bishop-Lilly², Christopher C. Broder¹, Brian C. Schaefer¹

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LB-8244

Zika and Ebola Virus Infection of Major Testicular Cell Types

E. Eldridge Hager-Soto, Olivier Escaffre, Shannan L. Rossi, Alexander N. Frieberg
University of Texas Medical Branch, Galveston, TX, United States

LB-8245

Investigating Phenotypic and Genotypic Differences Between Sylvatic and Endemic Dengue Viruses

Andrew Peric, Paul Turner
Yale University, New Haven, CT, United States

LB-8246

Impact of temperature on replication, dissemination, and transmission of yellow fever 17D vaccine in Aedes aegypti

Kaitlynn Anne Williams, Emily N. Gallichotte, Gregory D. Ebel
Colorado State University, Fort Collins, CO, United States

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LB-8247

Zika virus alters the expression of cAMP responsive element binding protein 3-like 1 innervate cells

Joaris Soto-Hernández

PHSU, Ponce, PR, United States

LB-8248

Kinetics of *Vibrio cholerae* antibody responses among cholera patients in Goma, the Democratic Republic of Congo

Kilee Davis¹, Carmen Nieznanski¹, Felicien Maisha², Christy Clutter¹, Meer Alam², Cyrus Saleem², Asfar Ali², J. Glenn Morris², Daniel T. Leung¹

¹University of Utah, Salt Lake City, UT, United States, ²University of Florida, Gainesville, FL, United States

LB-8249

Development of a rapid antigen detection test as the potential diagnostic assay for fatal spotted fever rickettsioses

Willson Richard¹, Yingxin Zhao², Kristen Brosamer¹, Lucas Blanton², David Walker², Katerina Kourentzi¹, Rong Fang²

¹UH, Houston, TX, United States, ²UTMB, Galveston, TX, United States

LB-8250

First report of bla_{NDM} and bla_{KPC} co-production among *Klebsiella pneumoniae* bacterial isolates in the Philippines

Paula Corazon Sadang Diones

Philippines-AFRIMS Virology Research Unit, Quezon City, Philippines

LB-8251

Long Term Immunogenicity of a Single Dose of Typhoid Conjugate Vaccine in children 6 months to 10 years in Hyderabad Pakistan

Sonia Qureshi¹, Farah Naz Qamar¹, Zoya Haq², Tahir Yousafzai¹, Ibtisam Qazi¹, Momin Kazi¹, Seema Irfan¹, Najeeha Iqbal¹, Aneeta Hotwani¹, Najeeb Rahman¹

¹Aga Khan University Hospital, Karachi, Pakistan, ²Liaquat Medical College, Karachi, Pakistan

LB-8252

Vaccine Acceleration by Modular Progression (VAMP): Augmenting Today's Plague Vaccine with Tomorrow's Biological Response Modifier

Wai Kwan Chung, Lucy Ward, Gregory Rutkowski, Matthew Kuhn, Andrew M. Glenn, Amanda Love, Patrick R. Dulin

JPEO CBRND JPM CBRN Medical, Frederick, MD, United States

LB-8253

Understanding the role of population migration in diseases diffusion: Fine-Scale Delineation Of Trachoma Prevalence by Confirmatory Mapping in Eleven Districts of Tanzania Contagious to Districts With High Baseline Prevalence

Ambakisye Kuyokwa Mhiche¹, George Kabona², Veronica Kabona¹, Casmil Masayi¹, Julius Charles Masanika¹, Jeremiah Ngondi³

¹Research Triangle Institute International, Dar Es Salaam, United Republic of Tanzania, ²National Neglected Tropical Diseases Control Program, Dodoma, United Republic of Tanzania, ³Research Triangle Institute International, Cambridge, United Kingdom

LB-8254

Rapid Detection of *Neisseria Gonorrhoeae* by Loop-Mediated Isothermal Amplification for Point-of-Care Testing

Samantha Y. Cheung, Diana Chiller, Joshua Lieberman

University of Washington, Seattle, WA, United States

LB-8255

Community-level correlation between ocular *Chlamydia trachomatis* and active trachoma among children in Mehrabete, Ethiopia

Awraris Hailu Bilchut¹, Esmael Ali², Tariku Wondie², Yeshigeta Gelaw³, Aemero Abateneh⁴, Belay Beyene⁴, Ambahun Chernet⁴, Joyce Hu⁵, Hadley Burroughs⁵, Zhaoxia Zhao⁵, Jessica Shantha⁵, Scott D. Nash⁵, Benjamin F. Arnold⁵, Thomas M. Lietman⁵, Catherine Oldenburg⁵

¹Debre Birhan University, Debre Birhan, Ethiopia, ²Eyu-Ethiopia, Bahir Dar, Ethiopia, ³Bahir Dar University, Bahir Dar, Ethiopia, ⁴Amhara Public Health Institute, Bahir Dar, Ethiopia, ⁵University of California, San Francisco, San Francisco, CA, United States

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LB-8256**Surveillance of norovirus infections in children younger than 5 years of age hospitalized for acute gastroenteritis in three hospitals in Lima, Peru, 2022-2023**

Luis M. Franchi¹, Alejandra Ingunza¹, Ana Gil¹, Lucie Ecker¹, Rubelio Cornejo¹, Omar Flores¹, Jan Vinjé², **Claudio Lanata**¹
¹Instituto de Investigación Nutricional, Lima, Peru, ²Center for Disease Control, Atlanta, GA, United States

LB-8257**Methanogenic Small Intestinal Overgrowth Does Not Predict Growth in Tanzanian Children**

Yasmin L. Alamdeen Shahzada¹, Sarah E. Elwood², Samwel Jatosh³, Siphahel Katengu³, Paschal Mdoe³, Estomih Mduma³, Mark D. DeBoer⁴, Rebecca J. Scharf⁵, Jeffrey Donowitz¹
¹Virginia Commonwealth University, Richmond, VA, United States, ²Division of Internal Medicine and International Health, University of Virginia, Charlottesville, VA, United States, ³Haydom Global Health Research Centre, Haydom, United Republic of Tanzania, ⁴Department of Pediatrics, University of Virginia, Charlottesville, VA, United States, ⁵Department of Pediatrics, Children's Hospital of Richmond at Virginia Commonwealth University, Richmond, VA, United States

LB-8258**Cholera surveillance for early warning and preparedness for epidemics in Rohingya Myanmar Nationals in Cox's Bazar, Bangladesh**

Ashrafur Islam Khan¹, Md. Taufiqul Islam¹, Nabid Anjum Tanvir¹, Zahid Hasan Khan¹, Mohammad Ashrafur Amin¹, Md. Golam Firoj¹, Md. Mokibul Hassan Afrad¹, Yasmin Ara Begum¹, Abu Toha M.R.H Bhuiyan², ASM Mainul Hasan³, Tahmina Shirin⁴, Firdausi Qadri¹
¹International Centre for Diarrhoeal Disease Research Bangladesh (icddr), Dhaka, Bangladesh, ²Refugee Health Unit, Office of the Refugee Relief and Repatriation Commissioner, Cox's Bazar, Bangladesh, Cox's Bazar, Bangladesh, ³Health section, The United Nations Children's Fund (UNICEF), Dhaka, Bangladesh, Cox's Bazar, Bangladesh, ⁴Institute of Epidemiology Disease Control and Research (IEDCR), Dhaka, Bangladesh, Dhaka, Bangladesh

LB-8259**A randomized controlled, double blinded, non-inferiority trial to evaluate the immunogenicity****and safety of locally manufactured typhoid conjugate vaccine among Bangladeshi population**

Farhana Khanam¹, Md Taufiqul Islam¹, Md Nazmul Hasan Rajib¹, Md Ismail Hossen¹, Nishat Sultana², Abu Bakar Siddik², Nazia Rahman¹, Prasanta Kumar Biswas¹, Md Golam Firoj¹, Faisal Ahmmed¹, Fahima Chowdhury¹, Md Taufiqur Rahman Bhuiyan¹, Firdausi Qadri¹
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LB-8260**Impact of nutritional status on childhood diarrheal infections among children enrolled in ABCD trial in Pakistan**

Muhammed Wahhaab Sadiq, Farah Naz Qamar, Mohammad Tahir Yousafzai
Aga Khan University, Karachi, Pakistan

LB-8261**Longevity of serologic responses following a single dose of typhoid conjugate vaccine among Human Immunodeficiency Virus infected children in Pakistan**

Huma Syed Hussain, Rabab Batool, Sonia Qureshi, Tahir Yousafzai, Fatima Mir, Sajid Muhammad, Aneeta Hotwani, Farah N. Qamar
Aga Khan University Hospital, Karachi, Pakistan

LB-8262**Community Perceptions of More Frequent Than Annual Mass Drug Administration: Results of the Enhancing the 'A' in SAFE (ETAS) trial in Eastern Equatoria State, South Sudan**

Madison Bearden¹, Angelia M. Sanders², Lochebe Boniface³, Stephen Ohidor³, Yak Yak Bol⁴, James Niquette³, E. Kelly Callahan², Scott D. Nash²
¹Emory University, Atlanta, GA, United States, ²The Carter Center, Atlanta, GA, United States, ³The Carter Center, Juba, South Sudan, ⁴Ministry of Health, Juba, South Sudan

Poster Session B Presentations

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LB-8263**Progress towards the elimination of trachoma as a public health problem in four counties of Eastern Equatoria State, Republic of South Sudan**

Nicholas A. Presley¹, Stephen Ohidor², Angelia M. Sanders¹, Andrew W. Nute¹, Tania Gonzalez¹, Yak Yak Bol³, Albino W. Nyibong³, Paul Weiss⁴, E. Kelly Callahan¹, Scott D. Nash¹

¹The Carter Center, Atlanta, GA, United States, ²The Carter Center, Juba, South Sudan, ³Ministry of Health, Juba, South Sudan, ⁴Johnson & Johnson; University of Lincoln, Athens, GA, United States

LB-8264**Persistent Campylobacter Infections in the MAL-ED Cohort Study**

Francesca Schiaffino¹, Josh M. Colston², Maribel Paredes Olortegui³, Paul Garcia Bardales³, Pablo Peñataro Yori⁴, Margaret N. Kosek²

¹Universidad Peruana Cayetano Heredia, Lima, Peru, ²University of Virginia, Charlottesville, VA, United States, ³Asociacion Benefica Prisma, Iquitos, Peru, ⁴University of Virginia, Charlottesville, VA, United States

LB-8265**Estimating the gap between clinical cholera and true community infections: findings from an integrated surveillance study in an endemic region of Bangladesh**

Sonia T. Hegde¹, Ashraf Khan², Javier Perez-Saez¹, Ishtiakul Islam Khan², Juan Dent Hulse¹, Md Taufiqul Islam², Zahid Hasan Khan², Shakeel Ahmed³, Taner Bertuna¹, Mamunur Rashid³, Rumana Rashid³, Md Zakir Hossain³, Tahmina Shirin⁴, Kirsten Wiens⁵, Emily S. Gurley¹, Taufiqur Rahman Bhuiyan², Firdausi Qadri², Andrew S. Azman¹

¹Johns Hopkins University, Baltimore, MD, United States, ²icddr, Dhaka, Bangladesh, ³Bangladesh Institute of Tropical and Infectious Diseases, Chittagong, Bangladesh, ⁴Institute of Epidemiology, Disease Control and Research, Dhaka, Bangladesh, ⁵Temple University, Philadelphia, PA, United States

LB-8266**Pulmonary haemorrhage and septic shock as a frequent cause of death among patients with severe complicated Leptospirosis in Southern Sri Lanka****Chathuranga Lakmal Fonseka**

Faculty of Medicine, University of Ruhuna, Galle, Sri Lanka

LB-8267**Two decades of malaria control in Malawi: Geostatistical Analysis of the changing malaria prevalence from 2000-2022**

Donnie Mategula¹, Judy Gichuki², Michael Give Chipeta³, James Chirombo¹, Patrick Ken Kalonde¹, Austin Gumbo⁴, Michael Kayange⁵, Vincent Samuel⁶, Colins Kwizombe⁷, Gracious Hamuza⁵, Alinafe Kalanga⁸, Dina Kamowa⁶, Colins Mitambo⁹, Jacob Kawonga¹⁰, Benard Banda¹¹, Jacob Kafulafula¹², Akuzike Banda⁵, Halima Twabi¹³, Esloyn Musa⁶, Maclear Masambuka¹⁴, Tapiwa Ntwere⁶, Chimwemwe Ligomba¹, Lumbani Munthali⁵, Melody Sakala¹, Abdoulaye Bangoura¹⁵, Atupele Kapito-Tembo⁶, Nyanyiwe Masingi Mbeye⁶, Don Mathanga⁶, Dianne Terlouw¹

¹Malawi Liverpool Wellcome Trust, Blantyre, Malawi, ²Strathmore University, Institute of Healthcare Management, Nairobi, Kenya, ³African Institute for Development Policy (AFIDEP), Lilongwe, Malawi, ⁴National Malaria Control Programme, Ministry of Health, Blantyre, Malawi, ⁵National Malaria Control Programme, Ministry of Health, Lilongwe, Malawi, ⁶Kamuzu University of Health Sciences, Blantyre, Malawi, ⁷U.S. President's Malaria Initiative, United States Agency for International Development (USAID), Lilongwe, Malawi, ⁸Mulanje District Council, Mulanje, Malawi, ⁹Research Unit, Ministry of Health, Lilongwe, Malawi, ¹⁰Country Health Information Systems and Data Use (CHISU) Program, Blantyre, Malawi, ¹¹Country Health Information Systems and Data Use (CHISU) Program, Lilongwe, Malawi, ¹²Nkhotakota District Council, Nkhotakota, Malawi, ¹³Department of Mathematical Sciences, School of Natural and Applied Sciences, University of Malawi, Zomba, Malawi, ¹⁴Kasungu District Council, Kasungu, Malawi, ¹⁵PMI VectorLink Project, Abt Associates, Lilongwe, Malawi

LB-8268**Restricted government healthcare spending and poverty contribute to adverse obstetric outcomes within Sub-Saharan Africa**

Brandon Molligoda¹, Lawrence Ullman Jr.², Elena Cyrus³, Omar Martinez³, Mayur Desai⁴

¹University of Central Florida College of Medicine, Orlando, FL, United States, ²Yale University School of Medicine, New Haven, CT, United States, ³Department of Population Health Sciences, University of Central Florida College of Medicine, Orlando, FL, United States, ⁴Yale University School of Public Health, New Haven, CT, United States

Poster Session B Presentations

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LB-8269

Lessons from the development of nOPV2 polio vaccine

Ananda S. Bandyopadhyay

Bill and Melinda Gates Foundation, Seattle, WA, United States

LB-8270

A comparative analysis of TaqMan Array Card real-time PCR and bacteriology culture technique for detection of bacterial pathogens in blood in Kenya, 2017-2020: Child Health and Mortality Prevention Surveillance (CHAMPS)

Jim S. Katieno¹, Gunturu Revathi², Zachary J. Madewell³, Beth A. Tippet Barr⁴, Clayton Onyango⁵, Kephass Otieno¹, Shirley Lidechi¹, Dorothy Odindo¹, Sammy Khagayi¹, Edwin Kiplagat¹, Victor Akelo⁵, Dickens Onyango⁶, Richard Omore¹, Kyu H. Lee⁷, Erick Muok¹, Dianna M. Blau³, Jessica L. Waller⁸, Maureen H. Diaz⁸

¹Kenya Medical Research Institute, Kisumu, Kenya, ²Aga Khan University Hospital, Nairobi, Kenya, ³Global Health Center, Centers for Disease Control and Prevention, Atlanta, GA, United States, ⁴Nyanja Health Research Institute, Salima, Malawi, ⁵US Centers for Disease Control and Prevention, Kisumu, Kenya, ⁶Kisumu County Department of Health, Kisumu, Kenya, ⁷Emory Global Health Institute, Emory University, Atlanta, GA, United States, ⁸National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention, Atlanta, GA, United States

LB-8271

Unveiling the threat of poor quality medicines in Kenya from individual case safety reports recorded in Kenya's Pharmacovigilance Electronic Reporting System

Anthony Martin Toroitich¹, Rachel Armitage², Sangeeta Tanna¹

¹De Montfort University, Leicester, United Kingdom, ²Formerly in De Montfort University, Leicester, United Kingdom

LB-8272

Global medical education on chikungunya virus epidemiology, outbreaks, and clinical characteristics significantly improves physicians knowledge and confidence

Julia C. Duffey¹, Gillian Griffiths¹, Lin H. Chen², Tomas Jelinek³

¹Medscape Education Global, London, United Kingdom, ²Mount Auburn Travel Medicine Center, Harvard Medical School, Division of Infectious Diseases and Travel Medicine Mount Auburn Hospital, Cambridge, MA, United States, ³Berlin Centre for Travel and Tropical Medicine, Berlin, Germany

LB-8273

Simplifying and optimizing management of uncomplicated acute malnutrition in children aged 6 to 59 months: a 3 arms community-based individually randomized controlled trial in decentralized Niger.

Susan Shepherd¹, Maguy Daures²

¹Alliance for International Medical Action, Hopewell, NJ, United States, ²INSERM Unit 1219 University of Bordeaux, Bordeaux, France

LB-8274

Evaluation of serological cross-reactivity between arbovirus and SARS-CoV-2 antibodies using fluorescent microsphere based multiplex immunoassays

Kodumudi S. Venkateswaran¹, John Kayiwa², Alexandre Tremeau-Bravard³, Tierra Smiley Evans³, Neeraja Venkateswaran¹

¹Tetracore, Inc., Rockville, MD, United States, ²Uganda Virology Research Institute, Entebbe, Uganda, ³UC Davis, Davis, CA, United States

LB-8275

Learnings from sequencing capacity building in low- and middle-income countries for genomic surveillance beyond COVID-19

Marco Marklewitz, Liliana Ruthaiwa, Antonio Pedrotta, Anita Suresh, Swapna Uplekar
FIND, Geneva, Switzerland

LB-8276

Quality matters : comparing chemical and microbiological quality measures for amoxicillin and cefixime samples in Indonesia

Esti Mulatsari, Nur Miftahurrohmah, Hesty Utami Ramadaniati, Ayu Rahmawati, Elizabeth Pisani, Yusi Anggriani
Faculty of Pharmacy, Pancasila University, Jakarta, Indonesia

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LB-8277

Trachoma diagnosis in the KETFO trial, Merhebeta, Ethiopia: a latent class analysis

Tariku Wondie¹, Huiyu Hu², Awraris Hailu Bilchut³, Esmael Ali¹, Yeshigeta Gelaw⁴, Aemero Abateneh⁴, Belay Beyene⁵, Ambahun Chernet⁶, Hadley Burroughs⁷, Zhaoxia Zhou⁷, Jessica Shantha⁷, Scott D. Nash⁸, Benjamin F. Arnold⁷, Thomas M. Lietman⁷, Catherine E. Oldenburg⁷

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LB-8278

A Systematic Review and Meta-analysis of the Frequency of Neurocysticercosis with a Focus on People with Epilepsy: An update with data from 2008 to 2023

Mohammad Shah Jalal, Orane Figuet, Katrina Di Bacco, Ellen Jackson, Lin Huang, Li Tiaoying, Dominik Stelzle, Christine Budke, H el ene Carabin
University of Montreal, Saint-Hyacinthe, QC, Canada

LB-8279

Case study on how setting up digital data logger probes in ethyl glycol improved temperature monitoring at Victoria Biomedical Research Institute, Kenya

Millicent Melanie Miruka, Lucas O. Tina, Antony O. Oindo, Amos O. Ndhare, David O. Ogolla
Victoria Biomedical Research Institute, Kisumu, Kenya

LB-8280

Socio-demographic predictors of vulnerability to extreme heat across Mexico

Lara Schwarz, Chen Chen, Kristen Hansen, Gordon McCord, Tarik Benmarhnia
University of California, San Diego, La Jolla, CA, United States

LB-8281

Integration of assessment of Lymphatic Filariasis morbidity in community-based surveys

for the successful elimination of disease in Tanzania

Veronica Kabona¹, Faraja Lyamuya², Molly Brady³, Andreas Nshala⁴, Alpha Malishee², Julius Masanika¹, Shabbir Lalji¹, Ambakisye Mhiche⁵, George Kabona²
¹RTI International, Dar es salaam, United Republic of Tanzania, ²Ministry of Health, Dodoma, United Republic of Tanzania, ³RTI International, Washington DC, WA, United States, ⁴Centre for Disease Control, Atlalant, GA, United States, ⁵RTI International, Dodoma, United Republic of Tanzania

LB-8282

Stability of IgG antibodies against 17 antigens in six specimen types at six temperatures: an interim analysis

Brook Goodhew¹, Zachary Reynolds², Sarah Gwyn¹, Ashley Simon¹, Nishanth Parameswaran¹, Chabier Coleman³, Karana Wickens³, Diana L. Martin¹, **Gretchen M. Cooley**¹
¹Centers for Disease Control and Prevention, Atlanta, GA, United States, ²Kennedy Krieger Institute, Baltimore, MD, United States, ³Oak Ridge Institute for Science and Education, Oak Ridge, TN, United States

LB-8283

FRONTLINE FIELD EPIDEMIOLOGY TRAINING PROGRAM IN CAMEROON USING A MULTISECTORAL APPROACH: KEY ACHIEVEMENTS SINCE 2016

Bayong Kyeng Mirabelle
Ministry of Health, Yaound e, Cameroon

LB-8284

Use of Multi-dose Vials for Investigational Products in a Clinical Trial

David Owino Ogolla, Dr Melanie Miruka, Beatrice Nyagol, Dr Anne Rogena, Dr Antony Oindo, Dr Kenson Kipchumba, Dr Vincent Mutambazi, Prof Hypolite Mavoko, Dr Amos Ndere, lucas Otieno Tina
Victoria Biomedical Research Institute, Kisumu, Kenya

LB-8285

Overcoming Complexities of Investigational Medicinal Product (IMP) Supply Using Bond Importation for a Multi-Country COVID-19 Vaccine Trial During a Pandemic in Kenya, Democratic Republic of Congo and Rwanda

Amos Ndhare¹, Shweta Brahmhatt², Melanie Miruka¹, Victorine Owira², Lucas Tina¹
¹Victoria Biomedical Research Institute, Kisumu, Kenya, ²ACE Research, Kisumu, Kenya

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LB-8286

The Dynamics of Recruitment and Retention of Clinical Research Participants During COVID-19 Public Health Emergency in Kisumu, Kenya

George Awino, David Owino Ogolla, Beatrice Nyagol, Dr Antony Oindo, Maurice Opiyo, Dr Lucas Otieno Tina, Dr Amos Ndere
Victoria Biomedical Research Institute, Kisumu, Kenya

LB-8287

Experience on the use of Rapid Diagnostic Test RDT for decision making in determining OV transmission in Njombe Town Council.

Evangelina Charles Chihoma¹, Faraja Lyamuya², Ezekiel Moirana², George Kabona², Paul Martine³, Upendo Mwingira⁴, Moses Katarbarwa⁴, Julius Masanika¹, Shabbir Lalji¹, Andreas Nshala⁵
¹RTI INTERNATIONAL, Dar es Salaam, United Republic of Tanzania, ²Ministry of Health, Dodoma, United Republic of Tanzania, ³National Institute of Medical Research (NIMR), Tanga, United Republic of Tanzania, ⁴RTI INTERNATIONAL, Washington DC, WA, United States, ⁵CDC, Atlanta, GA, United States

LB-8288

The Impact of an Enhanced Self-Care Intervention for Filarial Lymphoedema on Mental Well-Being in Malawi

Carrie Lydia Barrett
Liverpool School of Tropical Medicine, Liverpool, United Kingdom

LB-8289

Using Human-Centered Design and Collaboration-Driven Development to Guide Software Development for Schistosomiasis Surveillance Study in Western Kenya

Austin Hardcastle¹, Carson Moore¹, Matthew Boisse¹, Meredith Odhiambo², Kennedy Andiego², Gladys Odhiambo², Fredrick Rawago², Maurice Odieri², Thomas Scherr¹
¹Vanderbilt University, Nashville, TN, United States, ²Kenya Medical Research Institute Centre for Global Health, Kisumu, Kenya

LB-8290

Factors associated to never treated individuals during mass drug administration targeting

onchocerciasis in three health districts of Mali: a cross-sectional study

Abdoul Fatao Diabate¹, Moussa Sangare¹, Yaya Ibrahim Coulibaly¹, Dukharmel Nazaire², Diadje Tanapo¹, Sekou Oumarou Thera¹, Mahamoud Mahamadou Koureichi¹, Siaka Yamoussa Coulibaly¹, Salif Seriba Doumbia¹, Housseini Dolo¹, Thomas B. Nutman³, Alison Krentel²

¹Internation Center of Excellence in Research, Faculty of Medicine and Odontostomatology, Bamako, Mali, ²Bruyere Research Institute, Ottawa, ON, Canada, ³National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States

LB-8291

Virtual Directly Observed Treatment Pilot During Lymphatic Filariasis Mass Drug Administration

Alain Javel¹, Eurica Denis¹, Amy Veinoglou², Elizabeth Sutherland², Molly Brady², Carl Fayette¹, Marc Aurèle Telfort³

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LB-8292

Supervisor's Coverage Tool (SCT) During Mass Drug Administration Against Lymphatic Filariasis in Kampti Health District of Burkina Faso in 2023

Mamadou Serme¹, Christophe Nassa¹, Clarrise Bougouma¹, Compaoré Justin¹, Yerbanga Daniel², Zoromé Harouna¹, Emile Sorgho¹, Ouedraogo Mathias¹, Georges Dimithe³, Regina Khassanova³, **Dieudonné Naré**³, Micheline Ouedraogo³, Lucien Mano³, Elisabeth Chop⁴, Angel Weng⁴, Brian Fuller⁴, Patricia Houck⁴, Diana Stukel⁵, Yaobi Zhang⁴, Benoit Dembele⁶, Steven D. Reid⁴

¹NTD Control Program - Ministry of Health, Ouagadougou, Burkina Faso, ²Regional Directorate of Health and Public Hygiene of Sud - Ouest - Ministry of Health, Ouagadougou, Burkina Faso, ³Helen Keller International, Ouagadougou, Burkina Faso, ⁴Helen Keller International, New York, NY, United States, ⁵Family Health International 360, Washington, DC, United States, ⁶Helen Keller International, Dakar, Senegal

LB-8293

Development and Validation of ScAbIeS Tool for Diagnosing Scabies by Community Healthcare Workers in Resource-limited Settings

PRIYAMADHABA BEHERA, Debkumar Pal, Binod Kumar Patro, Chandra Sekhar Sirka
All India Institute of Medical Sciences, Bhubaneswar, Bhubaneswar, India

Poster Session B Presentations

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LB-8294

Progress Toward Accelerating Interruption of Schistosomiasis and Soil Transmitted Helminths Transmission in Zimbabwe

Nicholas Midzi¹, Isaac Phiri²

¹National Institute for Health Research, Harare, Zimbabwe, ²Ministry of Health and Child Care, Harare, Zimbabwe

LB-8295

OpenDengue: a global database of public dengue case data

Oliver J. Brady, Joseph Clarke, Ah-young Lim
London School of Hygiene and Tropical Medicine,
London, United Kingdom

LB-8296

Highlights of India's accelerated strategy to achieve Lymphatic Filariasis elimination by 2027

Rajshree Das, Ranpal Singh, Kiran Agrahari, Anjali Singh, Sudipta Mondal
Project Concern International, New Delhi, India

LB-8297

Leveraging Data-Driven Approaches to Strengthen Program Planning and Operational Efficiencies for Accelerating Lymphatic Filariasis Elimination

Arvinder Walia¹, Atul Mittal², Arnab Pal¹
¹Clinton Health Access Initiative, Delhi, India, ²TSU-CHAI, National Center for Vector Borne Disease Control, Delhi, India

LB-8298

Remapping trachoma in Kolofata: potential recrudescence in an insecure district

Epée Emilienne¹, Ismael Teta², Carine Fokam², Paul Tonkoug², Jean Claude Noah Noah³, Patricia Houck⁴, Stephanie Palmer⁵, Bella Assumpta Lucienne⁶
¹Department of Disease Control Epidemics and Pandemics Ministry of Public Health, Yaounde, Cameroon, ²Helen Keller International, Yaounde, Cameroon, ³National Program for Preventing Blindness, Yaounde, Cameroon, ⁴Helen Keller International, New York, NY, United States, ⁵Family Health International 360, Washington, DC, United States, ⁶Faculty of

Medicine and Biochemical Sciences, University of Yaoundé, Yaounde, Cameroon

LB-8299

Trends in community-level per diem rates for insecticide-treated net campaigns over time in sub-Saharan Africa

Hannah Koenker¹, Sally Chandler¹, Marcy Erskine², Robert Opoku²
¹Tropical Health LLP, London, United Kingdom, ²International Federation of Red Cross and Red Crescent Societies, Geneva, Switzerland

LB-8300

Primaquine Mass Drug Administration for Malaria Elimination in the Greater Mekong Subregion: An Implementation Study in Southern Thailand

Piyarat Sriporote¹, Wanlapa Roobsoong¹, Saranath Lawpoolsri², Wang Nguitragool³, Suwich Thammapalo⁴, Pathomporn Prikchoo⁵, Amnat Khamsiriwatchara², Rungrawee Pawarana², Pawinee Jarujareet², Jetsumon Sattabongkot¹, Liwang Cui⁶, Jaranit Kaewkungwal²
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LB-8301

A multicountry, secondary data analysis of washing practices for insecticide treated nets

Eleanore Sternberg¹, Stella Babalola², Keith Esch³, Gabrielle Hunter², Stephen Poyer⁴, Hannah Koenker¹
¹Tropical Health LLP, London, United Kingdom, ²Breakthrough ACTION Project, Johns Hopkins University Center for Communication Programs, Baltimore, MD, United States, ³PMI Evolve, Population Services International, Washington DC, DC, United States, ⁴Population Services International, Washington DC, DC, United States

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LB-8302

Effectiveness of three long-lasting insecticidal nets (LLINs) with pyriproxyfen-pyrethroid, chlorfenapyr-pyrethroid or piperonyl butoxide-pyrethroid versus a pyrethroid-only LLIN, against malaria in Tanzania: third year results of a four-arm cluster randomised trial

Jacklin F. Masha¹, Nancy S. Matowo², Manisha A. Kulkarni³, Louisa A. Messenger⁴, Eliud Lukole¹, Robert Kaaya⁵, Monica Taljaard³, Jacklin Martin¹, Alphaxard Manjurano¹, Immo Kleinschmidt⁶, Franklin W. Masha⁵, Mark Rowland¹, Natacha Protopopoff²
¹National Institute for Medical Research Tanzania, Mwanza, United Republic of Tanzania, ²Department of Disease Control, London School of Hygiene and Tropical Medicine, London, United Kingdom, ³School of Epidemiology and Public Health, University of Ottawa, Ottawa, ON, Canada, ⁴Department of Environmental and Occupational Health, School of Public Health, University of Nevada, Las Vegas, NV, United States, ⁵Department of Parasitology, Kilimanjaro Christian Medical University College, Moshi, United Republic of Tanzania, ⁶MRC Tropical Epidemiology Group, Department of Infectious Disease Epidemiology, London, United Kingdom

LB-8303

Efficient phasing of two-strain infections in Plasmodium falciparum

Jacob Almagro-Garcia, Richard D. Pearson, Cristina Ariani
Wellcome Sanger Institute, Cambridge, United Kingdom

LB-8304

Concurrent declines in malaria incidence among children under and over five years of age in Koutiala, Mali: time series analysis of seasonal malaria chemoprevention from 2012-2022

Hamma Maiga¹, Charles Opondo², Lauren M Cohee³, Oumar Coulibaly¹, Maassarath Alao-fari¹, Matthew R Chico⁴
¹Institut National de Sante Publique, Bamako, Mali, ²Department of Medical Statistics, Faculty of Epidemiology and Population Health, London School of Hygiene & Tropical Medicine, London, United Kingdom, ³Center for Vaccine Development and Global Health, University of Maryland School of Medicine, Baltimore, MD, United States, ⁴Department of Disease Control, Faculty of Infectious and Tropical Diseases, London School of Hygiene & Tropical Medicine, London, United Kingdom

LB-8305

Maternal and neonatal outcomes in Plasmodium knowlesi malaria

Angelica Fiona Tan¹, Giri Rajahram², Timothy William², Steven Kho¹, Nicholas M. Anstey¹, Bridget E. Barber³, Matthew J. Grigg¹
¹Menzies School of Health Research, Charles Darwin University, Casuarina, Australia, ²Infectious Diseases Society Kota Kinabalu Sabah, Kota Kinabalu, Malaysia, ³QIMR Berghofer Medical Research Institute, Brisbane, Australia

LB-8306

Malaria case management at the community level, Lessons learnt from ProActive Community Case Management after 10 years (2012-2022) of implementation in Senegal

Fatoumata Binetou Sall
Programme national de lutte contre le paludisme, Apix, Senegal

LB-8307

Larval source management implementation for the control of Anopheles stephensi in Ethiopia (August 2022-April 2023)

Hiwot Solomon¹, Gashu Fente², Meshesha Balkew², Melissa Yoshimizu³, Anteneh Mitiku², Peter Mumba⁴, Sheleme Chibsa⁴, Gudissa Assefa⁵, Achamyelesh Sisay⁵, Gedeon Yohannes², Ephrem Abiy², Amha Worku², Kerri-Ann Guyah⁶, Katie Tripp⁶, Cecilia Flatley⁶, Sarah Zohdy⁷, Aklilu Seyoum⁶, Dereje Dengela²
¹Disease Prevention and Control Directorate, Ministry of Health, Addis Ababa, Ethiopia, ²PMI VectorLink Ethiopia Project, Abt Associates, Addis Ababa, Ethiopia, ³U.S. President's Malaria Initiative, USAID, Washington, DC, United States, ⁴U.S. President's Malaria Initiative, USAID, Addis Ababa, Ethiopia, ⁵Malaria and Other Vector-Borne Diseases Prevention and Control Team, MOH, Addis Ababa, Ethiopia, ⁶Abt Associates, PMI VectorLink Project, Rockville, MD, United States, ⁷US President's Malaria Initiative, Entomology Branch, US Centers for Disease Control and Prevention, Atlanta, GA, United States

Poster Session B Presentations

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LB-8308**IgG responses against falstatin and PfMAAP and malaria risk in a prospective cohort of Malian children and adults**

Oscar D. De Los Santos Santiago¹, Jyoti Bhardwaj², Erik L. Gaskin², Aditi Upadhye², Safiatou Doumbo³, Aissata Ongoiba³, Kassoum Kayentao³, Boubacar Traore³, Peter D. Crompton⁴, Tuan M. Tran²
¹Indiana University-Purdue University Indianapolis, Indianapolis, IN, United States, ²Division of Infectious Diseases, Department of Medicine, Indiana University School of Medicine, Indianapolis, IN, United States, ³Mali International Center of Excellence in Research, University of Sciences, Technique and Technology of Bamako, BP 1805, Point G, Bamako, Mali, ⁴Malaria Infection Biology and Immunity Section, Laboratory of Immunogenetics, National Institute of Allergy and Infectious Diseases, NIH, Rockville, MD, United States

LB-8309**Vaccination with conjugated Pfs230D1 and PfCSPM3 vaccines in combination in a rabbit model to evaluate a vaccine to reduce malaria transmission**

Kelly M. Rausch¹, David L. Narum¹, Emma K. Barnafo¹, Lynn E. Lambert¹, Muratova Olga¹, Matthew V. Cowles¹, Nada Alani¹, Holly McAleese¹, Justin Y.A. Doritchamou¹, Irfan Zaidi¹, Jonathan P. Renn¹, Jennifer C.C. Hume¹, Andrew Lees², Patrick E. Duffy¹
¹NIH/NIAID/LMIV, Bethesda, MD, United States, ²Fina Biosolutions, Rockville, MD, United States

LB-8310**Investigating the mechanism underlying p53 regulation of malaria-induced inflammation using in vitro co-culture model system**

Jyoti Bhardwaj¹, Prasida Holla², Aditi Upadhye¹, Erik L. Gaskin¹, Boubacar Traore³, Peter D. Crompton⁴, Tuan M. Tran¹
¹Division of Infectious Diseases, Department of Medicine, Indiana University School of Medicine, Indianapolis, IN, United States, ²Division of Pediatric Infectious Diseases and Global Health, Department of Pediatrics, Indiana University School of Medicine, Indianapolis, IN, United States, ³Mali International Center of Excellence in Research, University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, ⁴Laboratory of Immunogenetics, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States

LB-8311**DRpower; An interactive web-based app to facilitate robust sample size calculation for Plasmodium pfhrp2/3 gene deletion studies**

Shazia Ruybal-Pesántez¹, Jason A. Hendry¹, Jeffrey A. Bailey², Jonathan J. Juliano³, Jonathan B. Parr³, Robert Verity¹
¹MRC Centre for Global Infectious Disease Analysis and Department of Epidemiology, Imperial College London, London, United Kingdom, ²Department of Pathology and Laboratory Medicine, Brown University, Providence, RI, United States, ³Institute for Global Health and Infectious Diseases, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States

LB-8312**The level of naturally acquired VAR2CSA antibodies in pregnant women is associated with fetal sex**

Justin Y. A. Doritchamou¹, Bergeline Nguemwo Tentokam¹, Robert Morrison¹, Amadou Barry², Jonathan Renn¹, Youssoufa Sidibe², Almahamoudou Mahamar², Oumar Attaher², Gaoussou Santara², Moussa Traore², Djibrilla Issiaka², Yahia T. Dicko², Sekouba Keita², Bacary S. Diarra², Alassane Dicko², Michal Fried¹, Patrick E. Duffy¹
¹Laboratory of Malaria Immunology & Vaccinology, National Institute of Allergy and Infectious Disease, Bethesda, MD, United States, ²Malaria Research and Training Center, Mali-NIAID ICER, University of Science, Techniques and Technologies of Bamako, Bamako, Mali

LB-8313**Effect of Pyronaridine Artesunate on gametocyte carriage and transmission of Plasmodium falciparum in Mali**

Dinkorma T. Ouologuem, Antoine Data, Aminatou Kone, Djeneba Diallo, Fatoumata I. Ballo, Siaka Goïta, Yacouba N. Barre, Aboubecrin S. Haidara, Fanta Sogore, Ousmaila Diakite, Aliou Traore, Abdoulaye A. Djimde
Malaria Research and Training Center, USTTB, Bamako, Mali

LB-8314**R21/Matrix-M vaccine-induced antibody binding to circumsporozoite protein antigens associated with protection from controlled human malaria infection**

Rachel L. Spreng¹, Matthew Herbst¹, Jackson Huttner¹, Kan Li¹, Shyam Sutariya¹, Gillian Q. Horn¹, Milite Abrahama¹, Angelina Sharak¹, Katie J. Ewer², Adrian V.S. Hill², Georgia D. Tomaras¹, S. Moses Dennison¹
¹Duke University, Durham, NC, United States, ²Jenner Institute, University of Oxford, Oxford, United Kingdom

Poster Session B Presentations

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LB-8315**Efficacy and safety of artemether-lumefantrine and artesunate-amodiaquine for the treatment of uncomplicated Plasmodium falciparum malaria among children under five years in the Democratic Republic of the Congo, 2020-2021**

Papy Mandoko Nkoli¹, Destin Mbongi Moke², Eric Mukomena³, Hypolite Muhindo⁴, Patrick Mitashi⁴, Albert Kutekemeni³, Irene Cavros⁵, Mouhamad Sy⁶, Mamadou Alpha Diallo⁶, Aita Sene⁶, Ibrahima M. Ndiaye⁶, Dieudonné Mumba Ngoyi¹, Ange Landela⁷, Jehan Ahmed⁸, Awa B Deme⁶, Daouda Ndiaye⁶, Gauthier Mesia Kahunu²

¹National Institute of Biomedical Research, Kinshasa, Democratic Republic of the Congo, ²Unit of Clinical Pharmacology and Pharmacovigilance, University of Kinshasa, Kinshasa, Democratic Republic of the Congo, ³National Malaria Control Program, Ministry of Health, Kinshasa, Democratic Republic of the Congo, ⁴Tropical Medicine Department, University of Kinshasa, Kinshasa, Democratic Republic of the Congo, ⁵U.S. President's Malaria Initiative, Malaria Branch, U.S. Centers for Disease Control and Prevention, Atlanta, GA, United States, ⁶Center for Research and Training in Applied Genomics and Health Surveillance (CIGASS), Dakar, Senegal, ⁷U.S. President's Malaria Initiative Impact Malaria Project, Kinshasa, Democratic Republic of the Congo, ⁸U.S. President's Malaria Initiative Impact Malaria Project, Washington, DC, United States

LB-8316**Efficacy and safety of artemether-lumefantrine and artesunate-pyronaridine for the treatment of uncomplicated Plasmodium falciparum malaria among children under five in Guinea, 2021-2022**

Alexandre Delamou¹, Daouda Camara¹, Pascal Niouma¹, Awa Deme², Mamadou A. Diallo², Eugène K. Lama³, Alioune Camara⁴, Mateusz Plucinski⁵, **Irene Cavros**⁵, Anne Griggs⁵, Aissata Fofana⁶, Daouda Ndiaye², Abdoul H. Beavogui¹

¹Centre National de Formation et de Recherche en Santé Rurale, Maférynyah, Guinea, ²International Center for Research and Training in Applied Genomics and Health Surveillance, Dakar, Senegal, ³National Malaria Control Program, Guinea Ministry of Health, Conakry, Guinea, ⁴Africa Center of Excellence, Gamal Abdel Nasser University, Conakry, Guinea, ⁵U.S. Centers for Disease Control and Prevention, Atlanta, GA, United States, ⁶U.S. President's Malaria Initiative StopPalu Project, Atlanta, GA, United States

LB-8317**Chloroquine plus Primaquine Show High Therapeutic Efficacy for the Treatment of****Uncomplicated Plasmodium Vivax Malaria in Northwestern Ethiopia.**

Bokretsion G. Brhane¹, Habtamu Gebrie², Eyob Getu³, Hussein Mohammed¹, Henok Hailegiorgis¹, Desalegn Nega Wada¹, Gudissa Assefa⁴, Degu Mehari⁴, Worku Bekele⁵, Heven Sime¹, Adugna Abera¹, Moges Kassa¹, Getachew Tollera¹, Mesay Hailu Dangisso¹, Geremew Tasew¹, Ashenafi Assefa⁶

¹Ethiopian Public Health Institute, Addis Ababa, Ethiopia, ²Bahir Dar University, Bahir Dar, Ethiopia, ³Jimma University, Jimma, Ethiopia, ⁴Ministry of Health, Addis Ababa, Ethiopia, ⁵World Health Organization, Addis Ababa, Ethiopia, ⁶Institute for Global Health and Infectious Diseases, University of North Carolina at Chapel Hill, NC, NC, United States

LB-8318**In vivo efficacy of artemether-lumefantrine, artesunate-amodiaquine, dihydroartemisinin-piperaquine and artesunate-pyronaridine in Angola, 2021**

Pedro R. Dimbu¹, Sarah Labuda², Carolina M. Ferreira³, Felismina Caquece⁴, Kialanda Andre⁴, Garcia Pembele⁴, Dilunvuidi Pode⁴, Venceslau Pelenda³, Benjamin Nieto Andrade³, Breanna Horton², Culzean Kennedy², Samaly Svigel², Zhiyong Zhou², Joana Morais⁵, Joana Rosario⁶, Filomeno Fortes⁷, Jose Franco Martins¹, Mateusz Plucinski⁸

¹National Malaria Control Program, Luanda, Angola, ²CDC, Atlanta, GA, United States, ³PSI, Luanda, Angola, ⁴Field Epidemiology Training Program, Luanda, Angola, ⁵National Institute of Health Research, Luanda, Angola, ⁶PMI USAID, Luanda, Angola, ⁷Institute of Hygiene and Tropical Medicine, Lisbon, Portugal, ⁸PMI, CDC, Atlanta, GA, United States

LB-8319**Malaria Vaccine-induced Tissue-specific T cell Dynamics in Rhesus macaques: A Time-course Analysis of PBMC, Bone Marrow, and Liver Response to Live-attenuated Vaccination with Plasmodium knowlesi.**

Gregory J. Bogg¹, Rowland Osii², GW McElfresh¹, Maanasa Kaza¹, Sebastian Benjamin¹, Shana Feltham², Sohita Ojha², Eisa Mahyari¹, Scott G. Hansen³, Brandon Wilder³, Benjamin N. Bimber³

¹Oregon National Primate Research Center, Oregon Health & Science University, Beaverton, OR, United States, ²Vaccine and Gene Therapy Institute, Oregon Health & Science University, Beaverton, OR, United States, ³Oregon National Primate Research Center & Vaccine and Gene Therapy Institute, Oregon Health & Science University, Beaverton, OR, United States

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LB-8320

Digital payment during chemo prevention of seasonal malaria in senegal in 2023 : perception, success factors

JEAN AUGUSTIN DIEGANE TINE¹, **Amadou Yéri Camara**², aminata DIAW³, Meissa Seck⁴, ADAMA FAYE¹
¹UCAD/ISED, DAKAR, Senegal, ²REGION MEDICALE DE SEDHIOU, SEDHIOU, Senegal, ³UCAD, dakar, Senegal, ⁴PNLP, MSAS, Senegal

LB-8321

Safety and Efficacy of PfSPZ Vaccine in Year 4 after primary immunization series among Women of Childbearing Potential in Ouélessébougou Mali

Aye D. Diallo
National Institutes Of Health, Bethesda, MD, United States

LB-8322

Achieving threshold coverage in Mass Drug Administration campaigns; a quantitative analysis of factors affecting uptake in mass drug administration for malaria control in Bijagos Archipelago, Guinea Bissau

Ellen Sugrue, Ana Rita Patracinio de Jesus, Eunice Teixeira Da Silva, Harry Hutchins, Anna Last
London School of Hygiene and Tropical Medicine, London, United Kingdom

LB-8323

Artesunate and artemether-lumefantrine treatment for malaria in Uganda: prolonged parasite clearance time in children with sickle cell anemia and frequent treatment failure in children without sickle cell anemia

Ryan C. Henrici¹, **Ruth Namazzi**², Charles Kato², Sadati Aliwuya², Jamille Dombrowski³, Sade Pratt³, Jody Phelan³, Susana Campino³, Andrea L. Conroy⁴, Richard Idro², Chandy C. John⁴, Colin J. Sutherland³, Robert O. Opoka²
¹University of Pennsylvania School of Medicine Center for Global Health, Philadelphia, PA, United States, ²Makerere University College of Health Sciences, Kampala, Uganda, ³London School of Hygiene and Tropical Medicine, London, United Kingdom, ⁴Ryan White Center for Pediatric Infectious Diseases and Global Health, Indianapolis, IL, United States

LB-8324

Bolstering cross-border malaria and local transmission re-introduction programs in malaria elimination in Saudi Arabia

Ashwaq Alnazawi¹, Mohammed Alzahrani², Ernest Tambo³
¹Jazan University, Jazan, Saudi Arabia, ²Saudi Ministry of Health, Riyadh, Saudi Arabia, ³Africa Disease Intelligence, Yaounde, Cameroon

LB-8325

Tanzania country-wide variations in the risk of human exposure to malaria vector bites.

Praise Michael¹, Victoria Githu¹, Maneno Baravuga¹, Brian Masanja¹, Tajiri Laizer¹, Janice Maige¹, Selemani Mmbaga¹, Samson Dr. Kiware², Nicodem Dr. Govella³
¹Ifakara Health Institute, Dar es Salaam, United Republic of Tanzania, ²The Pan-African Mosquito Control Association (PAMCA), Nairobi, Kenya, ³The Nelson Mandela, African Institution of Science and Technology., Arusha, United Republic of Tanzania

LB-8326

Antimalarial drug resistance in P. falciparum populations across the Democratic Republic of Congo (DRC): a microcosm of parasite diversity in Africa including the identification of the PfKelch13 R561H and P441L mutation

Sarah Wellmann Thomsen¹, Louise Wellmann Thomsen¹, Hypolite Muhindo Mavoko², Patrick Mitashi Mulopo², Emma Filtenborg Hocke¹, Papy Mandoko Nkoli³, Vito Baraka⁴, Daniel Minja⁴, Andria Mousa⁵, Cally Roper⁵, Destin Mbongi⁶, Eric Mukomena Sompwe⁷, Helle Hansson¹, Michael Alifrangis¹, **Gauthier Mesia Kahunu**⁸
¹Center for Medical Parasitology, Department of Immunology and Microbiology, University of Copenhagen; and Department of Infectious Diseases, Copenhagen University Hospital, Copenhagen, Denmark, ²Department of Tropical Medicine, University of Kinshasa, Kinshasa, Democratic Republic of the Congo, ³National Institute of Biomedical Research, Kinshasa, Democratic Republic of the Congo, ⁴National Institute for Medical Research, Tanga Centre, Tanga, United Republic of Tanzania, ⁵Department of Infection Biology, Faculty of Infectious and Tropical Diseases, London School of Hygiene and Tropical Medicine, London, United Kingdom, ⁶Centre Hospitalier Monkole, Kinshasa, Democratic Republic of the Congo, ⁷National Malaria Control Program, Ministry of Health, Kinshasa, Democratic Republic of the Congo, ⁸Department of Pharmacology and Therapeutics, University of Kinshasa, Kinshasa, Democratic Republic of the Congo

Poster Session B Presentations

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LB-8327

Systematic investigation for a role for non-VAR2CSA antibodies in protection from placental malaria

Yvonne Dube¹, **Elizabeth H. Aitken**¹, Jonathan Kurtis², Morten Nielsen³, Victor Mwapasa⁴, Ken Maleta⁴, Kamija Phiri⁴, Mwayi Mandasita⁵, Feiko ter Kuile⁵, Stephen Rogerson¹

¹Doherty Institute, University of Melbourne, Melbourne, Australia, ²Brown, Providence, RI, United States, ³University of Copenhagen, Copenhagen, Denmark, ⁴Kamuzu University of Health Sciences, Blantyre, Malawi, ⁵Malawi University of Science and Technology, Thyolo, Malawi, ⁶Liverpool School of Tropical Medicine, Liverpool, United Kingdom

LB-8328

Safety, Tolerability, and Immunogenicity of Transmission-Blocking Vaccine Candidates against *Plasmodium falciparum* in healthy Malian adults: Coadministered (R0.6C-AIOH/Matrix-M™) with Pfs230D1-EPA/Matrix-M™) versus individual vaccines (R0.6C-AIOH/ Matrix-M™; ProC6C-AIOH/ Matrix-M™; Pfs230D1-EPA/Matrix-M™)

Abdoulaye Katile¹, Bourama Kamate¹, David Mack Cook², Jordan Plieskatt³, Bakary Traore¹, Ousmane Abel Poudiougou¹, Amatigue Zeguime¹, Hawa Sanaga Bayogo¹, M'Bouye Doucoure¹, Souleymane Traore¹, Mamadou Dembele¹, Mamoutou Yattoura¹, Amara Cisse¹, Kalifa Diarra¹, Mamady Kone¹, Balla Diarra¹, Amagana Dolo¹, Jennifer Hume², Joel Goldberg², Sara Healy², Jenny Reimer⁴, Cecilia Carnrot⁴, Mahamadou S. Sissoko¹, Patrick Duffy², Michael Theisen⁵, Issaka Sagara¹

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LB-8329

Stratification mapping in Thailand to support prevention of malaria re-establishment

Prayuth Sudathip¹, Donal Bisanzio², Suravadee Kitchakarn¹, Jerdsuda Kanjanasuwan¹, Deyer Gopinath³, Rungrawee Tipmontree¹, Chantana Padungtod¹, Niparueradee Pinyajeerapat⁴, David Sintasath⁴, Jui A. Shah²

¹Division of Vector Borne Diseases, Department of Disease Control, Ministry of Public Health, Nonthaburi,

Thailand, ²Inform Asia: USAID's Health Research Program, RTI International, Bangkok, Thailand, ³World Health Organization, Nonthaburi, Thailand, ⁴U.S. President's Malaria Initiative, United States Agency for International Development (USAID), Regional Development Mission for Asia, Bangkok, Thailand

LB-8330

Acceptability and Utilization of PBO ITNs in the implementation Context; Insights into Barriers and Facilitators in a high Malaria Transmission Region in Western Kenya

Judith N. Mangeni¹, Andrew Obala¹, Joseph Koech², George Ambani², Lucy Abel², Tabitha J. Chepkwony², Emily M. Robie³, Steve M. Taylor³, Wendy P. O'Meara³
¹Moi University College of Health Sciences, Eldoret 30100, Kenya, ²AMPATH, Eldoret, Kenya, ³Duke University, Durham, NC, United States

LB-8331

Piloting a Digital Malaria Clinical Mentorship and Continuous Learning Platform in Zimbabwe

Patience Dhlwayo¹, Munyaradzi Mukuzunga¹, Ottias Tapfumane¹, Andrew Tangwena¹, Vuyisile Mathe¹, Alexio Mangwiro², Abaden Svisva², Evidence Makadzange², Samuel Gwerete², Ruvimbo Chigwanda², Maweyata Sow³, Ofentse Mosikare³, Julia Dunn³, Chivimbiso Maponga³

¹National Malaria Control Programme, Harare, Zimbabwe, ²Clinton Health Access Initiative, Harare, Zimbabwe, ³Clinton Health Access Initiative, Harare, MA, United States

LB-8332

High prevalence of sub-clinical malaria in Guinea: Results from a rapid community survey

Mariam Dalanda Diallo¹, Charlotte Hammer², Boubacar Kann¹, Fatoumata Sanoh³, Tamba N'fantoma Leno³, Oumar Mansaré³, Abdoulaye Djibril Sow⁴, Yacouba Konaté⁵, Emilie Ryan-Castillo⁶, Alpha Mahmoud Barry¹, **Claire J. Standley**⁶

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Poster Session B Presentations

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LB-8333

Increasing Access to Malaria Commodities through Improved Logistics Data Management and Mentoring in Kebbi State, Nigeria

Oludayo Adekunle, Ogoza A. Ugye, Olumide Oyebamiji, Chris Wright, Michael Audu, Kabiru Galadima, Nasiru Umar, Jules Mihigo, Veronica Momoh, Cassandra Elagbaje, Emmanuel Ogwuche
USAID Global Health Supply Chain-Procurement and Supply Management, Abuja, Nigeria

LB-8334

Facility-based mentorship to strengthen the quality of malaria services in five high-burden regions of Uganda.

Philliam Aleti¹, Stephen Kigongo¹, Bridget Namubiru¹, Irene Ayaa Akot¹, Alex Ojaku¹, Robert Abiriga², Allan Matovu², Norman Candia², Sandra Djalle Incardona¹, Beulah Jayakumar¹, **Mariam Bahova**¹, Myres Lugemwa³, Constance Agwang¹, Edward Mugwanya², Irene Ochola², Benjamin Binagwa²
¹*MCD Global Health, Silver Spring, MD, United States*, ²*John Snow Inc, Boston, MA, United States*, ³*Uganda MoH, Kampala, Uganda*

LB-8335

Riverside voices -The place of snakebite envenoming on the banks of the Solimões River (Brazilian Amazon)

Jacqueline de Almeida G. Sachett, Alícia Santos, Felipe Murta, Evellyn A. R. T. Silva, Ana Paula S Oliveira, Rafaela N. Dávila, Hiran S. S. Gama, Jéssica A. Araújo, Altair S. Farias, Vinicius A. Machado, Wuelton M. Monteiro
State university of Amazon, Manaus, Brazil

LB-8336

Metagenomic nextgeneration sequencing based surveillance of unexplained acute febrile illness: An experience from Uganda

Abraham J. Kandathil¹, Jen Lu¹, Raghavendran Anantharam¹, Kenneth Kobba², Paul W. Blair¹, Matthew L. Robinson¹, Edgar C. Ndawula², Francis Kakooza², Mohammed Lamorde², David L. Thomas¹, Steven L. Salzberg¹, Yuka Manabe¹
¹*Johns Hopkins School of Medicine, Baltimore, MD, United States*, ²*Infectious Diseases Institute, Makerere University, Kampala, Uganda*

LB-8337

Machine-learning based prediction of undiscovered non-human primate hosts of Semliki Forest complex Alphaviruses

Michael Celone¹, Adrian Castellanos², Simon Pollett³, Barbara Han²
¹*Uniformed Services University of the Health Sciences, F. Edward Hébert School of Medicine, Department of Preventive Medicine & Biostatistics, Bethesda, MD, United States*, ²*Cary Institute of Ecosystem Studies, Millbrook, NY, United States*, ³*Infectious Disease Clinical Research Program, Department of Preventive Medicine and Biostatistics, Uniformed Services University of the Health Sciences, Bethesda, MD, United States*

LB-8338

Risk factors associated with Coxiella burnetii in wild boars of South Korea

Yongyeon Choi¹, Jung-Yong Yeh², Jong Koo Lee², **Sangshin Park**¹
¹*University of Seoul, Seoul, Republic of Korea*, ²*Incheon National University, Incheon, Republic of Korea*

LB-8339

Predicting Pandemic Vaccine Uptake Using Routine Animal Mass Vaccination Data

Ricardo Castillo-Neyra¹, Jorge L. Cañari-Casaño², Sherrie Xie¹, Elvis W. Díaz², Michael Z. Levy¹, Valerie Paz-Soldán³
¹*Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania, Philadelphia, PA, United States*, ²*One Health Unit, Universidad Peruana Cayetano Heredia, Arequipa, Peru*, ³*Department of Tropical Medicine, Tulane School of Public Health and Tropical Medicine, New Orleans, LA, United States*

LB-8340

Investigation of antibiotic prescription at a public primary healthcare facility in Burkina Faso and > of potential effects on malaria transmission

Aminata Fofana¹, Rakiswende Serge Yerbanga², Moussa Zongo², Alassane Haro³, Jean-Bosco Ouedraogo², Mathilde Gendrin⁴
¹*Institut de Recherche en Sciences de la Santé, Bobo-Dioulasso, Burkina Faso*, ²*Institut des Sciences et Techniques (INSTech), Bobo-Dioulasso, Burkina Faso*, ³*Institut de Recherche en Sciences de la Santé/Institut des Sciences et Techniques (INSTech), Bobo-Dioulasso, Burkina Faso*, ⁴*Institut Pasteur de la Guyane, Microbiota of Insect Vectors Group, Cayenne, French Guiana, Institut Pasteur, Université Paris Cité, Parasites and Insect Vectors, Paris, France*

Poster Session B Presentations

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LB-8341**Precision Biosurveillance: predicting vector-borne disease****Richard Obiso***Johns Hopkins University Applied Physics Laboratory, Laurel, MD, United States***LB-8342****Integrating Community Perspectives in Zoonotic Disease Surveillance, Detection and Prevention in Ghana****Cornelius Y. Debpuur**¹, Melanie McCauley², Patrick Ansah³, Victor Asoala³, Michael Kaburise³, Seth Addo³, Deborah Narwortey³, Jane Ansah-Owusu⁴, Samuel Dadzie⁴, Francis Broni³, Abdulwasii Bolaji Tiamiyu⁵, Michael Iroezindu⁶, Edward Akinwale⁷, Zahra Parke⁸, Leigh Anne Eller², Kara Lombardi², Tsedal Mebrahtu², Erica Broach², Anastasia Zuppe², Mihret Amare², Petra Prins², Jenny Lay², Thierry Lamare Fouapon Assedi Njatou⁹, Yvonne Linton¹⁰, David Pecor¹⁰, Terrel Sanders¹¹, Andrew Letizia¹¹, Kayvon Modjarrad⁹, Nelson Michael⁹, Suzanne Mate⁹, Cynthia Tucker⁹, Sharon Daye⁹¹Ghana Health Research Centre, Accra, Ghana, ²Henry M. Jackson Foundation, Bethesda, MD, United States, ³Navrongo Health Research Center, Navrongo, Ghana, ⁴Noguchi Memorial Institute for Medical Research, Accra, Ghana, ⁵Walter Reed Army Institute of Research Nigeria, Abuja, Nigeria, ⁶Walter Reed Army Institute of Research- Nigeria, Abuja, Nigeria, ⁷Walter Reed Army Institute of Research- Nigeria, Lagos, Nigeria, ⁸Henry M. Jackson Foundation, Lagos, Nigeria, ⁹Walter Read Army Institute of Research, Silver Spring, MD, United States, ¹⁰Smithsonian Institution Walter Reed, Suitland, MD, United States, ¹¹Navy Medical Research Unit-3, Accra, Ghana**LB-8343****Environmental contamination of urban parks and association with zoonotic infections and people living with HIV.**Vy T. Le¹, Zorah Williams¹, Gabriela Perales¹, Patricia Bryan¹, Guilherme G. Verocai², **Rojelio Mejia**¹
¹Baylor College of Medicine, Houston, TX, United States, ²Texas A and M University, College Station, TX, United States**LB-8344****Tick surveillance in Florida using a nanopore metagenomic sequencing approach: implications on pathogen detection and monitoring of insecticide resistance****Hsiao-Mei Liao**¹, Suppaluck Nelson², Edward R. Traczyk³, Sabrina Scime³, Jessica Celano³, Nicolas S. Johnston³, Theron Hamilton³, Emily McDermott⁴, John P. Grieco⁵, Nicole L. Achee⁵, Yvonne M. Linton⁶, Le Jiang¹¹Viral and Rickettsial Disease Department, Navy Medical Research Command; The Henry M. Jackson Foundation for the Advancement of Military Medicine, Silver Spring, MD, United States, ²Walter Reed Biosystematics Unit, Suitland, MD, United States, ³Navy Entomology Center of Excellence, Jacksonville, FL, United States, ⁴Department of Entomology and Plant Pathology, University of Arkansas, Fayetteville, AR, United States, ⁵Department of Biological Sciences, Eck Institute for Global Health, University of Notre Dame, Notre Dame, IN, United States, ⁶Walter Reed Army Institute of Research, One Health Branch, Silver Spring, MD, United States**LB-8345****Evaluation of broiler performance and carcass yields when fed commercially available poultry feeds in Abuko The Gambia, 2022****KAWSU SANYANG***Department of Livestock Services, Banjul, Gambia***LB-8346****Seroprevalence of Crimean-Congo Hemorrhagic Fever Virus and Rift Valley Fever Virus in human population in Senegal from October to November 2020****SAFIETOU SANKHE**¹, Cheikh TALLA², Mareme Seye THIAM², Martin FAYE¹, Mamadou Aliou BARRY², Maryam DIARRA², Moussa DIA¹, Oumar NDIAYE¹, Pape Mbacke SEMBENE³, Boly DIOP⁴, Gamou FALL¹, Oumar FAYE¹, Ousmane FAYE¹, Moussa Moise DIAGNE¹, Cheikh LOUCOUBAR²¹Arboviruses and Hemorrhagic Fever Viruses Unit, Virology Department, Institut Pasteur de Dakar, Dakar, Senegal, ²Epidemiology, Clinical Research and Data Science Department, Institut Pasteur de Dakar, Dakar, Senegal, ³Animal Biology Department, Faculty of Sciences and Techniques, Cheikh Anta Diop University of Dakar, Dakar, Senegal, Dakar, Senegal, ⁴Epidemiological Surveillance Division, Prevention Department, Ministry of Health, Dakar, Senegal, Dakar, Senegal**LB-8347****HPV genotyping among women from the general population undergoing cervical cancer screening in Bamako, Mali****Brehima Diakite**¹, Yaya Kassogue¹, Bakarou Kamate¹, Ban Traore¹, Idriss Djonouma¹, Kadidiatou Cisse¹, Cheick B. Traore¹, Mamoudou Maiga²¹University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, ²Institute of Global Health, Northwestern University, Chicago, IL, United States

Poster Session B Presentations

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LB-8348**Molecular diagnosis of oncogenic Human papillomavirus by <AmpFire Screening 16/18/HR> on precancerous lesions in the city of Yaoundé.**

BRUNUS EBUA FONTOH¹, Baiye William Abange¹, Achille DONGMO¹, Christian Lavoisier Yimtchi Ngassa², Jean. Claude Tedom³
¹University Teaching Hospital Yaounde, Yaounde, Cameroon, ²Department of Medical Laboratory, Faculty of Health Sciences Buea, Buea, Cameroon, ³Biotechnology Center of Nkolbisson/UY1, Yaounde, Cameroon, Yaounde, Cameroon

LB-8349**MEASLES 2 COVERAGE AMONGST CHILDREN 18 to 59 MONTHS IN FOUR DISTRICTS IN GHANA**

Sophia Lamifo Armah
Ghana Health Service, Accra, Ghana

LB-8350**Temporal dynamic of serum perforin and granzymes in three different clinical stages of virus induced severe fever with thrombocytopenia syndrome**

CHANG-SEOP LEE¹, Sukhyun Rhy², Jin Kyeong Choi¹
¹Jeonbuk National University Medical School, Jeonju, Republic of Korea, ²Konyang University College of Medicine, Daejeon, Republic of Korea

LB-8351**Altered Respiratory Syncytial Virus Population Structures Following COVID-19 Mitigation Strategies**

Estefany Rios Guzman, Lacy Marie Simons, Taylor Dean, Ramon Lorenzo Redondo, Egon Ozer, Michael G. Ison, Judd F. Hultquist
Northwestern University, Chicago, IL, United States

LB-8352**Novel tools for serosurveillance of filovirus infections: assessing binding antibodies by an Fc receptor-based platform technology**

Christina Deschermeier¹, Christa Ehmen², Beatriz Escudero-Perez², Cesar Munoz-Fontela², Ronald von Possel², Rutineia Ferraz², Sophie Duraffour², Beate Becker-Ziaja², Giuditta Annibaldis², Petra Emmerich²
¹Panadea Diagnostics GmbH, Hamburg,

Germany, ²Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany

LB-8353**Mayaro virus and Chikungunya virus IgM and IgG testing in parallel improves diagnosis of acute Mayaro virus infections**

Maite Sabalza¹, Julia M. Klemens², Marleen Janku², Erik Lattwein², Anette Schulz², Oliver Klemens²
¹EUROIMMUN US, Mountain Lakes, NJ, United States, ²Institute for Experimental Immunology, affiliated to EUROIMMUN Medizinische Labordiagnostika AG, Lübeck, Germany

LB-8354**GMP Manufacturing of Reassortant Vaccine against Lassa Fever**

Peter Pushko¹, Igor S. Lukashevich¹, Dylan M. Johnson², Irina Tretyakova¹
¹Medigen, Inc, Frederick, MD, United States, ²Sandia National Laboratories, Livermore, CA, United States

LB-8355**Performance of the ReLASV IgG ELISAs Calibrated to the First WHO International Standard for anti-Lassa fever Virus Antibodies.**

Duane J. Bush¹, Diana K.S. Nelson¹, Charles A. Bailey¹, Ryan P. Hoyt¹, Matthew L. Boisen¹, Luis M. Branco²
¹Zalgen Labs LLC, Aurora, CO, United States, ²Zalgen Labs LLC, Frederick, MD, United States

LB-8356**Towards targeted therapeutics for dengue shock: new insights from inflammatory and endothelial biomarkers in a prospective adult cohort in Vietnam**

Angela McBride¹, Phan Vinh Tho², Luong Thi Hue Tai², Nguyen Thanh Phong², Nguyen Thanh Ngoc³, Duyen Huynh Thi Le³, Nguyen Lam Vuong³, Louise Thwaites³, Martin J Llewelyn¹, Nguyen Van Hao⁴, Sophie Yacoub³
¹Brighton and Sussex Medical School, Brighton, United Kingdom, ²Hospital for Tropical Diseases, Ho Chi Minh City, Viet Nam, ³Oxford University Clinical Research Unit, Ho Chi Minh City, Viet Nam, ⁴University of Medicine and Pharmacy, Ho Chi Minh City, Viet Nam

Poster Session B Presentations

Friday, October 20, 2023, Noon - 1:45 pm

Grand Hall GHI – Ballroom Level (East Tower)

LB-8357**Dengue, Yellow fever and Plasmodium falciparum co infections in Delta North Senatorial District, Delta State, Nigeria**

Onyebiguwa Patrick Goddey Nmorsi, **Paul Ogwezy**,
Andy Ogochukwu Egwunyenga
Delta State University, Abraka, Nigeria

LB-8358**Evaluating the immunogenicity, efficacy, and safety of TAK-003 by age group: an analysis of the DEN-301 phase 3 clinical trial**

Vianney Tricou¹, Humberto Reynales², Xavier Saez-Llorens³, Chukiat Sirivichayakul⁴, Charissa Borja-Tabora⁵, Reynaldo Dietze⁶, LakKumar Fernando⁷, Martina Rauscher¹, Yuan Zhao⁸, Shibadas Biswal⁹
¹Takeda Pharmaceuticals International, Zurich, Switzerland, ²Centro de Atención e Investigación Médica, CAIMED, Bogota, Colombia, ³Hospital del Niño Dr. José Renán Esquivel, Sistema Nacional de Investigación at SENACYT, Centro de Vacunación Internacional (Cevaxin), Panama City, Panama, ⁴Department of Tropical Pediatrics, Faculty of Tropical Medicine, Mahidol University, Thailand, ⁵Research Institute For Tropical Medicine, Muntinlupa, Philippines, ⁶Núcleo de Doenças Infeciosas, Centro de Ciências da Saúde-UFES, Vitória, Brazil, ⁷Centre for Clinical Management of Dengue & Dengue Haemorrhagic Fever, Negombo General Hospital, Negombo, Sri Lanka, ⁸Cytel Inc., Waltham, MA, United States, ⁹Takeda Vaccines, Boston, MA, United States

LB-8359**Antiviral activity, safety, and pharmacokinetics of JNJ-1802 as pre-exposure prophylaxis against DENV-3 in a human challenge model**

Anna P. Durbin¹, Liesbeth Van Wesenbeeck², Kristen K. Pierce³, Freya Rasschaert⁴, Laur Ebone¹, Annemie Buelens², Patricia Lutton³, Veerle Van Eygen², Kim De Clerck², Isabel Fetter³, Natalia V. Voge⁵, Xi Fang¹, Nele Goeyvaerts², Yannick Vandendijck², Jeffrey Mayfield¹, Richard Hoetelmans², Helen He¹, Tine De Marez⁶, Ruxandra Draghia-Akli⁵, Marya Carmolli³, Marnix Van Loock⁴, Guillermo Herrera-Taracena⁷
¹Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, ²Janssen Research & Development, Janssen Pharmaceutica NV, Beerse, Belgium, ³University of Vermont College of Medicine, Burlington, VT, United States, ⁴Global Public Health R&D, Janssen Pharmaceutica NV, Beerse, Belgium, ⁵Global Public Health R&D, Janssen Research & Development, LLC, Spring House, PA, United States, ⁶Global Public Health R&D, Janssen Research &

Development, LLC, Titusville, NJ, United States, ⁷Global Public Health, Janssen Research & Development, Horsham, PA, United States

LB-8360**Atypical measles presentations in children are common in Bamako, Mali**

Issa Konate¹, **Amadou Kone**¹, Fousseyni Kane¹, Bintou Coulibaly¹, Djeneba K. Dabita¹, Bassirou Diarra¹, Ibrahim Sanogo¹, Yeya dit Sadio Sarro¹, Tenin Aminatou Coulibaly¹, Dramane Diallo¹, Seydou Samake¹, Ilo Dicko¹, Mountaga Diallo¹, Ayoub Diarra¹, Mamadou D. Coulibaly¹, Daouda Keita¹, Nadie Coulibaly¹, Isaac Koloma¹, Mamadou Perou¹, Boubacar Cisse¹, Hawa B. Diarra¹, Antieme CG Togo¹, Gagni Coulibaly¹, Fah Gaoussou Traore¹, Moumine Sanogo¹, Cheick Oumar Tangara¹, Mahamadou Diakite¹, Jamila Aboulhab², Esther Akpa², Karine Fouth Tchost², Aaron Neal², Katy Saliba-Shaw², Ydrissa Sow², Seydou Doumbia¹, Nischay Mishra³, John K. Wickiser³, Thomas Briese³, W. Ian Lipkin³, Ray Y. Chen², Soukalo Dao¹
¹University of Sciences, Techniques and Technologies of Bamako - USTTB, Bamako, Mali, ²Collaborative Clinical Research Branch, Division of Clinical Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States, ³Center for Infection and Immunity, Columbia University, New York, NY, United States

LB-8361**Is drinking water quality associated with reported household water treatment in Honduras?**

John D. McLennan
University of Calgary, Calgary, AB, Canada

LB-8362**Is water insufficiency at the household level related to drinking water source in Iraq?**

Hanan Alshammaa, Fabiola Aparicio-Ting, John D. McLennan
University of Calgary, Calgary, AB, Canada

LB-8363**Reliance on sachet versus piped water for drinking water needs in urban Ghana: Water service ladder attainment**

Olivia Fulton, Fabiola Aparicio-Ting, John D. McLennan
University of Calgary, Calgary, AB, Canada

Poster Session B Presentations

Friday, October 20, 2023, Noon - 1:45 pm
Grand Hall GHI – Ballroom Level (East Tower)

LB-8364

Identification of Bacterial Virulence Factors Through Wastewater-based Epidemiology in Harare, Zimbabwe

Samantha Y. Cheung¹, Vurayai Ruhanya², Nicolette Zhou¹, George Nyandoro², Paradzai Chibukira², Arnold Mukaratirwa², Simon T. Muserere³, Kudzai Masunda³, John Musvibe², Brendon Manyisa², Ignituous Nezomba², Angelo QW Ong¹, John S. Meschke¹
¹University of Washington, Seattle, WA, United States, ²University of Zimbabwe, Harare, Zimbabwe, ³City of Harare, Harare, Zimbabwe

LB-8365

Embedding trachoma-related health messages within pre-grade school curriculum: An extension of the School Trachoma Program, Amhara region of Ethiopia

Eshetu Sata¹, Melak Haileleule¹, Awoke Dagnaw¹, Mulat Zerihun¹, Ayenachew Kerie¹, Kassa Bulcha¹, Zebene Ayele¹, Tamagn Ashenafi², E. Kelly Callahan³, Zerihun Tadesse¹, Scott D. Nash³, Kimberly A. Jensen³
¹The Carter Center, Addis Ababa, Ethiopia, ²Amhara Bureau of Education, Bahir Dar, Ethiopia, ³The Carter Center, Atlanta, GA, United States

LB-8366

WASHTra for the Sustainable Elimination of Trachoma as a Public Health Problem

Mesfin Tadesse Bekele, Ashebir Ashebir G Meshesha
The Fred Hollows Foundations, Addis Ababa, Ethiopia

LB-8367

Unveiling the Underappreciated Vector: Enteric Pathogen Transmission by Flies from Human and Animal Fecal Sources in Urban Indiana, 2016-2017

Nuzrath Jahan¹, Charity Owings², Christine Picard³, Drew Capone¹
¹IU School of Public Health, Bloomington, Bloomington, IN, United States, ²University of Tennessee, Knoxville, TN, United States, ³IU Purdue University Indianapolis, Indianapolis, IN, United States

LB-8368

Sample collection and processing for wastewater-based surveillance for multi-pathogens

Suporn Pholwat¹, Furqan Kabir², Fatima Aziz², Adil Kalam², Sahrish Muneer², Akram Hussain², Rabab Batool², Hunain Nadeem², Erin Wettstone¹, Farah Qamar², Mami Taniuchi¹
¹University of Virginia, Charlottesville, VA, United States, ²Aga Khan University, Karachi, Pakistan

Poster Session 116

Poster Session C Presentations

Saturday, October 21, 2023, 11 am - 12:45 pm

Grand Hall GHI – Ballroom Level (East Tower)

Late-Breakers in Basic Sciences

Basic Sciences - Coronavirus #LB-8383 through LB-8393
Basic Sciences - Kinetoplastida and Other Protozoa #LB-8394 through LB-8402
Basic Sciences - Malaria #LB-8403 through 8427
Basic Sciences - One Health: The Interconnection between People,
Animals, Plants and Their Shared Environment #LB-8428 through LB-8436
Basic Sciences - Water, Sanitation, Hygiene and
Environmental Health #LB-8437 through LB-8439

Late-Breakers in Clinical and Applied Sciences

Clinical and Applied Sciences - Arthropods/Entomology #LB-8440 through LB-8448
Clinical and Applied Sciences - Global Health #LB-8449 through LB-8470
Clinical and Applied Sciences - HIV and Tropical Co-Infections . #LB-8471 through LB-8481
Clinical and Applied Sciences - Integrated Control Measures for
Neglected Tropical Diseases (NTDs) #LB-8482 through LB-8493
Clinical and Applied Sciences - Malaria #LB-8494 through LB-8530
Clinical and Applied Sciences - Pneumonia, Respiratory
Infections and Tuberculosis #LB-8531 through LB-8539
Clinical and Applied Sciences - Coronavirus #LB-8540 through LB-8550
Clinical and Applied Sciences - Viruses (all other viruses) #LB-8551 through LB-8567

LB-8383

Kinetics of antibody responses following various COVID-19 vaccine administrations among adults in Bangladesh

Taufiqur R. Bhuiyan

International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh

LB-8384

<Postpartum Long Term Effects of Women with COVID19>

Christina Angela Shivanie Bhola

University of South Carolina, Columbia, SC, United States

LB-8385

Psychological Impact of COVID-19 infection among Affected Patients in a COVID-19 Dedicated Hospital in Bangladesh

Irin Hossain¹, M M Aktaruzzaman², Kamrun N Koly³, Jayasree Saha¹

¹National Institute of Preventive and Social Medicine

(NIPSOM), Dhaka, Bangladesh, ²CDC, Dhaka, Bangladesh, ³icddr, Dhaka, Bangladesh

LB-8386

Disentangling the relative benefit of bivalent vs. monovalent boosters in the context of host immune history and socioeconomic status: A modeling study

Sophie L. Larsen¹, Eliana Chandra¹, Haylee West¹, Iffat Noor¹, Alicia NM Kraay², Pamela P. Martinez¹

¹University of Illinois at Urbana-Champaign, Urbana, IL, United States, ²Institute for Disease Modeling, Seattle, WA, United States

Poster Session C Presentations

Saturday, October 21, 2023, 11 am - 12:45 pm

Grand Hall GHI – Ballroom Level (East Tower)

LB-8387**Risk of SARS-CoV-2 Infection among Healthcare Workers in Selected Healthcare Facilities, Bangladesh****Ahamed Khairul Basher**¹, Md Abdullah Al Jubayer Biswas¹, Mahmudur Rahman², Fahmida Chowdhury¹, Md Zakiul Hassan³¹International Center for Diarrheal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh, ²Global Health Development, EMPHNET, 69 Mohakhali, Dhaka 1212, Bangladesh, Dhaka, Bangladesh, ³Nuffield Department of Medicine, University of Oxford, Oxford, United Kingdom**LB-8388****Clinical predictors of SARS-CoV-2 detection among patients with severe respiratory illness in Kenya, 2022-2023****Raphael Ochieng Anyango**¹, Sidney Ogolla¹, Brian Onyando¹, Philip Ngere², Carolyne Nasimiyu³, Samuel Kadivane², Sultani Matendebero², Alex Awuor¹, Billy Ogwel¹, Nancy Otieno¹, Victor Akelo⁴, Morine Achieng¹, Erick Muok¹, Shirley Lidechi¹, Bryan Nyawanda¹, Erick Osoro³, Richard Omoro¹¹Kenya Medical Research Institute, Center for Global Health Research, Kisumu, Kenya, ²Ministry of Health, Nairobi, Kenya, ³Washington State University, Nairobi, Kenya, ⁴Liverpool School of Tropical Medicine, Kisumu, Kenya**LB-8389****Identification of Repurposed Drugs as SARSCoV2 Cell Entry Inhibitors****Idali Martinez**

University of Puerto Rico Medical Sciences Campus, San Juan, Puerto Rico

LB-8390**Factors associated with mortality among patients requiring hospitalization for severe respiratory illness (SRI) in Kenya, 2022-2023****Brian Otieno Onyando**¹, Bryan Nyawanda¹, Erick Muok¹, Raphael Anyango¹, Morine Achieng¹, Shirley Lidechi¹, Philip Ngere², Carolyne Nasimiyu³, Samuel Kadivane², Sultani Matendebero², Alex Awuor¹, Billy Ogwel¹, Nancy Otieno¹, Victor Akelo⁴, Sidney Ogolla¹, Eric Osoro³, Richard Omoro¹¹Kenya Medical Research Institute, Centre for Global Health Research, Kisumu, Kenya, ²Ministry of Health, Nairobi, Kenya, ³Washington State University, Nairobi,Kenya, ⁴Liverpool School of Tropical Medicine, Kisumu, Kenya**LB-8391****Knowledge, Attitudes, and Covid-19 Vaccine Intention Among Mothers in Mangalore, India****Lilly C. Penaloza**¹, Sanjeev Badiger², Avinash K. Shetty¹¹Wake Forest School of Medicine, Winston Salem, NC, United States, ²AJ Institute of Medical Sciences, Mangalore, India**LB-8392****Promoting Risk Communication, Community Engagement, and Effective Misinformation Management at the Sub-National Level in Ghana****Richard Sanyomor Kpabitey**¹, Evelyn Kumoji², Anna Helland², Sylvester Segbaya¹, Jennifer Orkis², Hunter Harig², Mark Ossom¹, Mavis Osafo¹, Emmanuel Apronti¹, Akua Titus-Glover¹, Vivian Abiwu¹, Dacosta Aboagye³¹Johns Hopkins Center for Communication Programs, Accra, Ghana, ²Johns Hopkins Center for Communication Programs, Baltimore, MD, United States, ³Health Promotion Division, Ghana Health Service, Accra, Ghana**LB-8393****Minding the Margins: Evaluating the Impact of COVID-19 among Latino and Black Minorities in Massachusetts.****Raquel A. Binder**¹, Angela M. Matta¹, Catherine S. Forconi¹, Cliff I. Oduor², Prajakta Bedekar³, Paul N. Patrone³, Anthony J. Kearsley³, Boaz Odwar¹, Jennifer Batista¹, Sarah N. Forrester¹, Lisa N. Cavacini¹, Ann M. Moormann¹¹UMass Chan Medical School, Worcester, MA, United States, ²Brown University, Providence, RI, United States, ³National Institute of Standards and Technology, Gaithersburg, MD, United States**LB-8394****Estimating transmission reductions from innovative interventions and the impact of the 2013-2016 West African Ebola epidemic for gambiense HAT in Guinea****Ching-I Huang**¹, Moïse Kagabadouno², Ronald E. Crump¹, Oumou Camara², Jean-Mathieu Bart³, Bruno Bucheton³, Mamadou Camara², Kat S. Rock¹¹University of Warwick, Coventry, United Kingdom, ²PNLTHA, Conakry, Guinea, ³Research Institute for Development, Montpellier, France

Poster Session C Presentations

Saturday, October 21, 2023, 11 am - 12:45 pm

Grand Hall GHI – Ballroom Level (East Tower)

LB-8395**Pyrazolopyrrolidinones as potential chemotherapeutic small molecules against leishmaniasis**

Leslye Torres-Avila¹, Pedro Borba¹, Francys Rangel¹, Gabriela Duarte¹, Jair L. Siqueira-Neto², John Kavouris³, Diana Diaz³, Scott Schaus³, Lauren Brown³, **Camila I. de Oliveira**¹
¹FIOCRUZ, Salvador, Brazil, ²UCSD, San Diego, CA, United States, ³Boston University, Boston, MA, United States

LB-8396**Thiazolidinones have leishmanicidal activity against Leishmania major causative agent of human cutaneous leishmaniasis**

Blaise Dondji, Kiera Bush, Nanju Jeon, Cameron Smith, Hunter Korf, Timothy Beng
Central Washington University, Ellensburg, WA, United States

LB-8397**Investigation of 1,4-diaryl-pyrazolo-pyridinone and pyrazolo[5,1-c][1,2,4]triazine loaded nanoparticles as potential anti-leishmanial agents**

Juan Pablo Gonzalez, Douglas Shoue, Mary Ann McDowell
University of Notre Dame, Notre Dame, IN, United States

LB-8398**Leishmania Infection-Induced Proteolytic Processing of SIRPα in Macrophages**

Hana Hirai¹, Jing Hong², Rikuto Watanabe¹, Wataru Fujii¹, Chizu Sanjoba¹, Yasuyuki Goto¹
¹The University of Tokyo, Tokyo, Japan, ²Nagasaki University, Nagasaki, Japan

LB-8399**Rectal immunisation with a non-pathogenic Leishmania elicits a specific Th1-biased response in BALB/c mice: prospects for enteral vaccination against leishmaniasis**

Iliaria Varotto Boccazzi¹, Giulia M. Cattaneo¹, Noemi Guerrini², Riccardo Molteni¹, Paolo Gabrieli¹, Gianvincenzo Zuccotti¹, Emanuele Montomoli², Claudio Bandi¹, Sara Epis¹

¹University of Milan, Milan, Italy, ²University of Siena, Siena, Italy

LB-8400**Heat exposure and congenital Chagas transmission**

Matthew J. Ward
Icahn School of Medicine at Mount Sinai, New York, NY, United States

LB-8401**Specific Cryptosporidium antigens associate with reinfection immunity and protection from cryptosporidiosis**

Carol A. Gilchrist¹, Joseph J. Campo², Jozelyn V. Pablo², Jennie Z. Ma³, Andy Teng², Amit Oberai², Adam D. Shandling², Masud Alam⁴, Mamun Kabir⁴, ASG Faruque⁴, Rashidul Haque⁴, William A. Petri¹
¹University of Virginia HSC, Charlottesville, VA, United States, ²Antigen Discovery Inc, Irvine, CA, United States, ³University of Virginia, Charlottesville, VA, United States, ⁴International Centre for Diarrhoeal Diseases Research, Bangladesh, Dhaka, Bangladesh

LB-8402**Dimethylxalyglycine induces stage conversion in Toxoplasma gondii**

Yuan Yi Chang, Hee Kyoung Kang, Hyun Beom Song
Department of Tropical Medicine and Parasitology, Seoul National University, Seoul, Republic of Korea

LB-8403**Informing Malaria Social and Behavior Change Activities using Evidence-based research - Findings from Zanzibar Malaria Behavior Survey 2021**

Mwinyi Issa Khamis¹, Waziri Nyoni², Mark Lwakatare³, Theresia Mrema³, Naomi Serbantez⁴, Lulu Msangi⁴
¹Zanzibar Malaria Elimination Program, Zanzibar, United Republic of Tanzania, ²JHUCCP- Break Through Action, Dar Es Salaam, United Republic of Tanzania, ³JHUCCP- Break Through Action Tanzania, Dar Es Salaam, United Republic of Tanzania, ⁴US Presidents Malaria Initiative, USAID Tanzania, Dar Es Salaam, United Republic of Tanzania

Poster Session C Presentations

Saturday, October 21, 2023, 11 am - 12:45 pm

Grand Hall GHI – Ballroom Level (East Tower)

LB-8404

Malaria transmission heterogeneity in different eco-epidemiological areas of western Kenya: a region-wide observational and risk classification study for adaptive intervention planning

Guofa Zhou¹, John Githure², Ming-Chieh Lee¹, Daibin Zhong¹, Harrysone Atieli², Guiyun Yan¹
¹University of California, Irvine, CA, United States, ²Tom Mboya University, Homa Bay, Kenya

LB-8405

Timing the origin of Plasmodium falciparum, the most lethal human malaria parasite

M. Andreina Pacheco¹, Beatriz Mello², Axl S. Cepeda³, Ananias A. Escalante¹
¹Temple University-iGEM, Philadelphia, PA, United States, ²Departamento de Genética, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil, ³Temple University, Philadelphia, PA, United States

LB-8406

Creation of a malaria seasonality database for Sub-Saharan Africa

Francesca Sanna¹, Suzanne Keddie², Tara Boyhan¹, Paulina Dzianach¹, Michael McPhail¹, Julia Seitz¹, Thomas Nguyen¹, Adrian Redpath¹, Twatasha Chikolwa¹, Peter W. Gething¹, Daniel J. Weiss¹
¹Child Health Analytics, Telethon Kids Institute, Nedlands, Australia, ²London School of Hygiene and Tropical Medicine, London, United Kingdom

LB-8407

Development of Plasmodium falciparum liver-stages in hepatocytes derived from human fetal liver organoid cultures

Annie Yang¹, Devanjali Dutta², Kai Kretzschmar², Delilah Hendriks², Jens Puschhof², Kim Boonekamp², Youri Waardenburg van¹, Geert-Jan van Gemert¹, Johannes de Wilt¹, Teun Bousema¹, Hans Clevers², Robert Sauerwein¹
¹Radboudumc, Nijmegen, Netherlands, ²Hubrecht Institute, Utrecht, Netherlands

LB-8408

Revolutionizing Control of Plasmodium vivax Malaria: Assessing the Efficacy of Targeted Primaquine Mass Treatment in a Township of Northern Myanmar

Pyae Linn Aung¹, Myat Thu Soe², Poh Poh Aung², Myat Phone Kyaw², Wang Nguitragee¹, Daniel M. Parker³, Liwang Cui⁴, Jetsumon Sattabongkot¹
¹Mahidol Vivax Research Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand, ²Myanmar Health Network Organization, Yangon, Myanmar, ³Department of Population Health and Disease Prevention, Department of Epidemiology, University of California, Irvine, CA, United States, ⁴Division of Infectious Diseases and International Medicine, Department of Internal Medicine, Morsani College of Medicine, University of South Florida, Tampa, FL, United States

LB-8409

Assessing Beneficiary Net Use Attitudes and Behavior after a Universal Coverage Campaign of Mosquito Nets Through Post Distribution Monitoring in Uganda

Rebecca Babirye, Peter Anyumiza, Collin Baluku, Joel Kato, Rukiri Medard, Dr Jimmy Opigo, Phellister Nakamya
PACE, Kampala, Uganda

LB-8410

Polymorphisms in cytochrome P450 reductase (CPR) are associated with reduced gametocytes clearance in Plasmodium vivax malaria

Yanka Evellyn Alves Rodrigues Salazar¹, Maria Carolina Silva de Barros Puça¹, Jaime Louzada², José Luiz Fernandes Vieira³, Jose Pedro Gil⁴, Cristiana Ferreira Alves de Brito¹, Tais Nobrega de Sousa⁴
¹Instituto René Rachou - Fiocruz Minas, Belo Horizonte, Brazil, ²Universidade Federal de Roraima, Boa Vista, Brazil, ³Universidade Federal do Pará, Belém, Brazil, ⁴Karolinska Institutet, Stockholm, Sweden

LB-8411

High Throughput Screening for Small-molecule Regulators of MARCH1 to Modulate Type-I Interferon/Immune Responses

Jian Wu¹, Patricia Dranchak², James Inglese², Xinzhuan Su¹
¹NIAID/NIH, Rockville, MD, United States, ²NCATS/NIH, Rockville, MD, United States

Poster Session C Presentations

Saturday, October 21, 2023, 11 am - 12:45 pm
Grand Hall GHI – Ballroom Level (East Tower)

LB-8412**Deciphering Malaria Anemia Mechanisms with Plasmodium yoelii 17XNL model**

Keyla C. Tumas¹, Fangzheng Xu¹, Jian Wu¹, Maricarmen Hernandez¹, Sittiporn Pattaradilokrat¹, Lu Xia¹, Yu-chih Peng¹, Angela Musu Lavali¹, Xiao He¹, Brajesh K. Singh¹, Cui Zhang¹, Caroline Percopo¹, Chen-Feng Qi¹, Suming Huang², Carole A. Long¹, Xinzhan Su¹

¹National Institutes of Health, Rockville, MD, United States, ²Penn State Cancer Institute, Hershey, PA, United States

LB-8413**MAM01 Mechanism of Action: Inhibition of Parasite Motility & Displacement**

Yewel Flores-Garcia¹, Shamika Mathis-Torres¹, Minah Park¹, Kayla Andrews², Jared Silverman², Fidel Zavala¹
¹Bloomberg School of Public Health, Malaria Research Unit, Johns Hopkins University, Baltimore, MD, United States, ²Bill & Melinda Gates Medical Research Institute, Cambridge, MA, United States

LB-8414**The Role of Social and Behavior Change on Community Perception and Acceptance of the Proactive Community Case Management of Malaria Study in Chadiza District, Eastern Province, Zambia**

Viannah Kapenda¹, Bupe M. Kabamba¹, Marie-Reine I. Rutagwera¹, Chabu Kangale¹, Patrick Nyendwa¹, Melody Simaata¹, Maximilian Musunse¹, Webby Phiri¹, Kapasa Sikazwe¹, Caroline Phiri-Chibawe¹, Ignatius Banda², John M. Miller³, Jennifer Somtore⁴, Isaac Mwase⁴, Busiku Hamainza²
¹PATH PAMO Plus, Lusaka, Zambia, ²Zambia Ministry of Health National Malaria Elimination Centre, Lusaka, Zambia, ³PATH Malaria Control and Elimination Partnership in Africa (MACEPA), Lusaka, Zambia, ⁴U.S. President's Malaria Initiative, Lusaka, Zambia

LB-8415**Case study on the evaluation of the impact of the Municipal Advisory Project for the Control, Prevention and Elimination of Malaria in the actions for the disease in Brazil.**

Marcela Lima Dourado¹, Jayne Martins¹, Leticia Santiago¹, Pablo Fontoura¹, Claudia Martins², Daniela Rego¹, Cássio Peterka¹
¹Brazilian Ministry of Health, Brasília, Brazil, ²Fundação Oswaldo Cruz, Rio de Janeiro, Brazil

LB-8416**Molecular surveillance of Plasmodium falciparum reveals high complexity of infections, spatial patterns of parasite connectivity and correlates of transmission in Mainland Tanzania**

Dativa Pereus¹, Abebe A. Fola², Catherine Bakari³, Victor A. Mobegi⁴, Gerald Juma⁴, Rashid A. Madebe³, Misago D. Seth³, Celine I. Mandara³, Beatus M. Lyimo⁵, Rule Budodo³, David J. Giesbrecht², DeFeo Rebecca², Zachary R. Popkin-Hall⁶, Ramadhan Moshi³, Ruth B. Mbwambo¹, Daniel Mbwambo⁷, Sijenuun Aaron⁷, Abdallah Lusasi⁷, Samuel Lazaro⁷, Jonathan J. Juliano⁶, Jeffrey A. Bailey², Deus S. Ishengoma³

¹Muhimbili University of Health and Allied Sciences, Dar es Salaam, United Republic of Tanzania, ²Brown University, Providence, RI, United States, ³National Institute for Medical Research, Dar es Salaam, United Republic of Tanzania, ⁴University of Nairobi, Nairobi, Kenya, ⁵Nelson Mandela African Institute of Science and Technology, Arusha, United Republic of Tanzania, ⁶University of North Carolina, Chapel Hill, NC, United States, ⁷National Malaria Control Programme, Dodoma, United Republic of Tanzania

LB-8417**Determination of assay precision in Growth Inhibition Assay (GIA) with human anti-PfPR5 antibodies.**

Kazutoyo Miura¹, Ababacar Diouf¹, Michael P. Fay¹, Jordan R. Barrett², Ruth O. Payne², Ally I. Olotu³, Angela M. Minassian², Sarah E. Silk², Simon J. Draper², Carole A. Long¹
¹National Institute of Allergy and Infectious Diseases, Rockville, MD, United States, ²University of Oxford, Oxford, United Kingdom, ³Ifakara Health Institute, Bagomoyo, United Republic of Tanzania

LB-8418**Low impact of COVID-19 restrictions on door-to-door mass distribution of insecticide treated nets in the Democratic Republic of the Congo: Results from four mass campaigns-2021-2023**

Mulamuli Mpfu¹, Remy Ngoy¹, Ferdinand Ntoya², Yibayiri Osee Sanogo³, Ruphin Mulongo¹, Jeanine Musau¹
¹Chemonics International Inc, Washington, DC, United States, ²President's Malaria Initiative, USAID, Kinshasa, Democratic Republic of the Congo, ³President Malaria Initiative, Centers for Disease Control and Prevention, Washington, Democratic Republic of the Congo

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LB-8419**Prophylactic malaria monoclonal antibody MAM01 showed extensive binding breadth to Circumsporozoite protein repeat region epitopes**

Kan Li¹, Shyam R. Sutariya¹, Derrick D. Goodman¹, Kayla A. Andrews², Jared A. Silverman², Robert A. Seder³, S. Moses Dennison¹, Georgia D. Tomaras¹
¹Duke University, Durham, NC, United States, ²Bill & Melinda Gates Medical Research Institute, Cambridge, MA, United States, ³National Institutes of Health, Bethesda, MD, United States

LB-8420**Vector abundance and landscape features across forested gold mining villages in the hottest malaria hotspot in Venezuela**

Maria Eugenia Grillet¹, Abimel Moreno¹, Victor Sanchez¹, Nelson Moncada¹, Napoleon Malpica¹, Luis Petterson², Jorge E. Moreno², Jan E. Conn³
¹Instituto de Zoología y Ecología Tropical, Facultad de Ciencias, Universidad Central de Venezuela, Caracas, Bolivarian Republic of Venezuela, ²Centro de Investigaciones de campo Dr. Francesco Vitanza, Servicio Autonomo Instituto de Altos Estudios Dr. Arnoldo Gabaldón, MPPS, Tumeremo, Bolivarian Republic of Venezuela, ³Wadsworth Center, New York State Department of Health, Albany, NY, United States

LB-8421**Genetic diversity of Plasmodium helical interspersed subtelomeric (phistb) gene in Tanzania and neighboring countries**

Ruth B. Mbwambo¹, Dativa Pereus¹, Ramadhan Moshi¹, Catherine Bakari¹, Misago D. Seth¹, Celine I. Mandara¹, Rashid Madebe¹, Beatus M. Lymo², Jonathan J. Juliano³, Jeffrey A. Bailey⁴, Gerald Juma⁵, Benard Kulohoma⁶, Deus S. Ishengoma¹
¹National Institute for Medical Research, Dar es Salaam, United Republic of Tanzania, ²Nelson Mandela African Institute of Science and Technology, Arusha, United Republic of Tanzania, ³North Carolina at Chapel Hill, North Carolina, NC, United States, ⁴Brown University, Providence, Rhode Island, RI, United States, ⁵University of Nairobi, Nairobi, Kenya, ⁶International AIDS Vaccine Initiative -Africa, Nairobi, Kenya

LB-8422**Structural activity relationship for resistance-breaking beta-carboline-3-carboxamide antimalarials**

Jopaul Mathew¹, Bo Zhou², Reagan S. Haney³, Kevin A. Kunz², Leticia Do Amaral³, Rudraneel Roy Chowdhury², Joshua H. Butler³, Amarraj J. Chakraborty¹, Haibo Li¹, Anika Tabassum¹, Emily K. Bremers³, Emilio F. Merino³, Delphine Baud⁴, Stephen Brand⁴, Max Totrov⁵, Maria B. Cassera³, Paul R. Carlier²
¹Virginia Tech, Blacksburg, VA, United States, ²University of Illinois Chicago, Chicago, IL, United States, ³University of Georgia, Athens, GA, United States, ⁴Medicines for Malaria Venture, Geneva, Switzerland, ⁵Molsoft LLC, San Diego, CA, United States

LB-8423**Defining the pharmacophore of 1-aryl-tetrahydro-beta-carboline-N2-amide antimalarials**

Hanan Almolhim¹, Emily K. Bremers², Leticia Do Amaral², Scot M. Barry¹, Emilio F. Merino², Max Totrov³, Maria B. Cassera², Paul R. Carlier⁴
¹Virginia Tech, Blacksburg, VA, United States, ²University of Georgia, Athens, GA, United States, ³Molsoft LLC, San Diego, CA, United States, ⁴University of Illinois Chicago, Chicago, IL, United States

LB-8424**Precise barcodes for molecular mapping of cross-border vivax malaria**

Junhu Chen, Shenbo Chen, Haimo Shen
National Institute of Parasitic Diseases, China CDC, Shanghai, China

LB-8425**Crossborder synchronized distribution of long-lasting insecticide treated nets aided by digital data collection in Senegal and The Gambia, 2022**

Latsouk Gnillane DIOUF¹, Momodou KALLEH², Balla KANDEH², Medoune NDIOP¹, Ibrahima DIALLO¹, Doudou SENE¹, Marie Felicite CISS³, Suegatha Kai RENNIE³, Aboubacar SADOU³, Alioune Badara GUEYE³
¹NMCP Senegal, Dakar, Senegal, ²NMCP Gambia, Banjul, Gambia, ³US President's Malaria Initiative, Dakar, Senegal

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LB-8426**Using Evidence to Streamlining Seasonal Malaria Chemoprevention (SMC) Intervention in Far North and North Region of Cameroon**

Eric Diboulo¹, Aïssata Fofana², Souleymanou Souleymanou³, Mohamadu Wringo³, Joel Ateba⁴, Marie Noelle Bissek⁴, Jean Pierre Kidwang⁴, Sali Djele⁴, Jean-Marie Tsachoung⁴, Moïse Hugue René Abomabo⁴, Jean Fosso⁴, Dominique Bomba⁴, Junior Voundi⁴, E. Germaine Ekoyol⁴, Yazoumé Yé¹

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LB-8427**Projected Prevalence and Possible Drug Policy Interventions in Response to Artemisinin Resistant Plasmodium Falciparum in Uganda**

Robert J. Zupko, Deborah Grace, Thu Tran, Kien T. Tran, Tran D. Nguyen, Maciej F. Boni
Pennsylvania State University, University Park, PA, United States

LB-8428**Metabarcoding of parasites in the feces of Apodemus agrarius in Korea**

Ju Yeong Kim, Tai-Soon Yong
Yonsei University College of Medicine, Seoul, Republic of Korea

LB-8429**The leishmaniases in Kenya: a scoping review**

Hugh Shirley¹, Grace Grifferty², Katherine O'Brien², Jason L. Hirsch³, Adrienne M. Orriols⁴, Kiira L. Amechi², Joshua Lo², Neeharika Chanda², Sarra El Hamzaoui², Jorja Kahn², Samantha V. Yap², Kyleigh E. Watson², Christina Curran², Amina Atef AbdelAlim², Neeloy Bose², Alissa Link Cilfone², Richard Wamai²

¹Harvard Medical School, Boston, MA, United States, ²Northeastern University, Boston, MA, United States, ³The Ohio State University College of Medicine, Columbus, OH, United States, ⁴University of Florida College of Medicine, Gainesville, FL, United States

LB-8430**Defining the Tick-borne Disease Occupational Risk Among Three High-Risk Groups from South Carolina**

Titilayomi Sarah Abiodun, Melissa Nolan, Lidia Gual-Gonzalez
University Of South Carolina, Columbia, SC, United States

LB-8431**Urban Microclimate Monitoring to Support Malaria Transmission Modeling in the Gujarat State of India**

Michael C. Wimberly¹, Rajendra Baharia², Vikas Desai³, Vijay Kohli⁴, Ajeet Mohanti⁵, Mercedes Pascual⁶, Rajesh Sharma⁴, Sachin Sharma⁷, Keshav Vaishnav⁸, Courtney C. Murdock⁹

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LB-8432**Flooding and childhood immunization: Analysis of household survey and precipitation data in Sierra Leone**

Gaëlle Tatiana Sehi¹, Fassou M. Grovogui², Peter M. Macharia³, Daniel M. Parker¹

¹University of California Irvine, Irvine, CA, United States, ²Maferinyah Training and Research Center in Rural Health, Forécariah, Guinea, ³Institute of Tropical Medicine Antwerp, Antwerp, Belgium

LB-8433**Vector surveillance in context of urban transmission and spread of Crimean Congo hemorrhagic fever virus (CCHF)**

Najia Ghanchi¹, Kehkashan Imtiaz¹, Joveria Farooqi¹, Erum Khan¹, Wesley C. Van Voorhis², Rabinowitz Rabinowitz²

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LB-8434

Establishing a citizen science program to investigate triatomine bug diversity, ecologies, and Trypanosoma cruzi infection dynamics in the southwestern United States

Evan Teal¹, Richard Oxborough², Chad Cross², Caryn Bern¹, Jeffrey Whitman¹, Louisa Messenger²
¹University of California, San Francisco, San Francisco, CA, United States, ²University of Nevada, Las Vegas, Las Vegas, NV, United States

LB-8435

Anti breast cancer activity & molecular docking studies of constituents of Psorospermum guineense hochr, a Cameroonian medicinal plant of the Hypercaceae family

Ghansenyuy Salome Yuwong¹, Eyong Kenneth Oben¹, Yemback Piere¹, Mehreen Lateef²
¹University off Yaounde 1, Yaounde, Cameroon, ²Bahria University, Karachi, Pakistan

LB-8436

Multisectoral investigation of a cholera Outbreak in two health areas in the East Region, Cameroon, July 2022

Ankone Ankone Placide, Priscillia Anya Amvela
ASTMH, Arlington, TX, United States

LB-8437

Interactions between Water, Sanitation, and Hygiene (WASH) and mosquito dynamics in Kisumu County, western Kenya: Implications for diarrheal and mosquito-borne diseases

Noriko Tamari¹, Maurice Agawo², Flavia N. Miiri¹, Stephen Munga³, Kacey C. Ernst¹
¹Department of Epidemiology and Biostatistics, Mel and Enid Zuckerman College of Public Health, University of Arizona, Tucson, AZ, United States, ²Maseno University, Kisumu, Kenya, ³Kenya Medical Research Institute (KEMRI), Centre for Global Health and Research, Kisumu, Kenya

LB-8438

Development of viability PCR for Cryptosporidium spp in water

Tahmina Ahmed, Suporn Pholwat, James A. Smith, Mami Taniuchi

University of Virginia, CHARLOTTESVILLE, VA, United States

LB-8439

Clustered Deprivations of Household Environmental Conditions are Prevalent in sub-Saharan Africa and Present Opportunities to Reduce Child Health Disparities

Stephen G. Mugel, Thomas F. Clasen
Emory University, Atlanta, GA, United States

LB-8440

First report of Anopheles stephensi in Southern Ethiopia

Dawit Hawaria Logita¹, Solomon Kibret², Daibin Zhong³, Ming-Chieh Lee³, Delenasaw Yewhalaw⁴, Guiyun Yan³
¹Hawassa University, Hawassa, Ethiopia, ²est Valley Mosquito and Vector Control District, Ontario, CA, United States, ³University of California, Irvine, CA, United States, ⁴Jimma University, Jimma, Ethiopia

LB-8441

Ecology of Man-Biting Mosquitoes in Nnamdi Azikiwe University Hostels, Anambra State, Nigeria

Pauline Ukamaka Umeanaeto, Chidera Chiazor-Nnadi, Kindness Chidi Irikannu, Ifebunandu Okwudilichukwu Nnatuanya, Chidiogo Comfort Nwadike
Nnamdi Azikiwe University, Awka Anambra State, Nigeria

LB-8442

The Impact of Neighborhood and Climate Variables on Human West Nile Virus Seroprevalence in a High Endemicity Area in South Carolina

Ahalya Muraleedharan, Kyndall Dye-Braumuller, Huixuan Li, Melissa Nolan
University of South Carolina, Columbia, SC, United States

LB-8443

Exploring Present and Future Threats of Vector-Borne Diseases and Opportunities for Transformation: A Spotlight on India and Brazil

Alexandra Hiscox¹, Robert T. Jones¹, Jessica Dennehy¹, Will Dyall¹, Laura Paris¹, Freya I. Spencer¹, Fiona Keeting¹, Frederik Seelig², Abhinandan Narendran³, Avijit Das³, James G. Logan¹
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LB-8444

Larval source management for the control of *Anopheles stephensi* in Ethiopia: Entomological monitoring results

Meshesha Balkew¹, Gashu Fente¹, Melissa Yoshimizu², Anteneh Mitiku¹, Peter Mumba³, Sheleme Chibsa³, Gudissa Assefa⁴, Achamyesh Sisay⁴, Gedeon Yohannes¹, Ephrem Abiy¹, Amha Worku¹, Kerri-Ann Guyah⁵, Katie Tripp⁵, Cecilia Flatley⁵, Sarah Zohdy⁶, Aklilu Seyoum⁵, Dereje Dengela¹

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LB-8445

Biocentis: Gene drive inspired solutions for genetic pest and vector control

Andrew Marc Hammond, Matteo Rucco, Kyros Kyrou, Andrea De Antoni, Sumit Dhole, Dario Meacci, Philippos Kondyliou, Ioanna Morianou, Giulia Monacchia, Giulia Morselli, Alessandro Bignardi, Nadia Davis
Biocentis, Terni, Italy

LB-8446

Ifegenia and pgSIT in *Anopheles gambiae*: novel daughter-killing, genetic sexing, and male sterilization systems for scalable, non-driving, vector control

Andrea Lynelle Smidler¹, Reema Apte¹, James Pai¹, Martha Chow¹, Sanle Chen¹, Agastya Mondal², Hector Sanchez², John Marshall², Omar Akbari¹
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LB-8447

Exposure to infective mosquito bites in spite of high long lasting insecticidal net coverage in Western Kenya

Zena Lapp¹, Lucy Abel², Evans Omondi³, Emmah Kimachas², Eric Nalinya³, Joseph Kipkoech², Emily Robie¹, Tabitha Chepkwony², Linda Maraga², Mark Amunga², Judith N. Mangeni⁴, Steve M. Taylor¹, Wendy Prudhomme-O'Meara¹, Andrew Obala⁴

¹Duke University, Durham, NC, United States, ²AMPATH, Eldoret, Kenya, ³Duke Global Inc, Nairobi, Kenya, ⁴Moi University, Eldoret, Kenya

LB-8448

A round-the-clock protection against vectors of dengue, leishmaniasis and malaria, to people with outdoors occupation in endemic regions

Daniel F. Msellemu¹, Marcel Tanner², Rajpal S. Yadav³, Sarah J. Moore¹

¹Ifakara Health Institute, Dar es Salaam, United Republic of Tanzania, ²Swiss TPH, Basel, Switzerland, ³WHO, Geneva, Switzerland

LB-8449

Bovine lactoferrin for prevention of late-onset of sepsis in low-birth-weight infants: a double blind randomized controlled trial

shabina ariff

Aga Khan University, Karachi, Pakistan

LB-8450

Research and policy making symbiosis in Thailand: tafenoquine operational feasibility study informing national policy adoption

Nardlada Khantikul¹, Aungkana Saejeng¹, Panupong Kowsurat², Stephan Duparc³, Penny Grewal Daumerie³, Caroline Lynch³, Isabelle Borghini-Fuhrer³, Elodie Jambert³, Chantana Padungtod², Prayuth Sudathip²
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LB-8451

Tackling Chagas Disease: Advancements in AI-Based Parasite Detection Algorithm

Lin Lin¹, Brandon Callisaya², Ana Valeria Solano², Fabiola Gonzales², Mary Cruz Torrico², Daniel Illanes², Nuria Díez³, David Bermejo-Peláez³, Elena Dacal³, Carla Caballero³, Oscar Darias³, Alexander Bakardjiev³, Maria Postigo³, María Jesús Ledesma-Carbayo⁴, Miguel Luengo-Oroz³, José M. Rubio⁵, Maria Flores-Chavez⁶
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LB-8452

Field Forward Approach to Pathogen Testing in Ticks From Turkana, Kenya

Mary Chege¹, Yvonne-Marie Linton², Rashid Lebunge³, Griphin Ochieng³, Abigail Lilak⁴, Janerose Mutura³, Nora Cleary⁴, Graham Matulis⁴, Kaya Perelman⁵, Grace Lee⁶, James Hassell⁷, Michael von Fricken⁴
¹Institute of Primate Research, Nairobi, Kenya, ²Walter Reed Biosystematics Unit, Smithsonian Institution Museum Support Center, Suitland, MD, United States, ³Mpala Research Centre, Nanyuki, Kenya, ⁴University of Florida, Gainesville, FL, United States, ⁵Biomeme, Philadelphia, PA, United States, ⁶George Mason University, Fairfax, VA, United States, ⁷Global Health Program, Smithsonian's National Zoo, Washington DC, DC, United States

LB-8453

Portable Mobile-Based Microscope Scanner: A Case Study for Onchocerciasis Whole Slide Digitization

Jaime García-Villena¹, Ethan Recalde-Jaramillo², Daniel Cuadrado¹, Isabel Bravo¹, Samuel Degraft Mensah³, Nicholas Opoku⁴, Maxwel Akanburichaab³, Cecilia Afi Krampah³, Mannel Edem Agbogah³, Abdul Rashid Adams³, Lin Lin², David Bermejo-Peláez¹, Elena Dacal¹, Abdulai Mahmood Seidu³, Christopher L. King⁵,

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LB-8454

Determinants for early care seeking for malaria among caregivers under five years in Uganda

Judith Nalukwago¹, Leonard Bufumbo¹, Anna Passaniti², Pallen Mugabe¹, Musa Kimbowa¹, Moses Sembatya¹, Elli Leontsini³, Jane Alaii⁴, Ruth Musekura¹, Emmanuel Kayongo¹, Pearl Kobusingye¹, Lyndsey Mitchum², Arzum Ciloglu², Leanne Wolff², Glory Mkandawire¹, Joel Kisubi⁵, Sheila Nyakwezi⁵, Richard Kabanda⁶, Suruchi Sood², Rukia Nakamatte⁷, Sharminah Kawuma⁷, Jimmy Opigo⁷
¹USAID Social and Behavior Change Activity, Johns Hopkins Center for Communication Programs, Kampala, Uganda, ²Johns Hopkins Center for Communication Programs, Baltimore, MD, United States, ³Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, ⁴Simba Educational Consultants, Nairobi, Kenya, ⁵US President's Malaria Initiative, USAID, Kampala, Uganda, Kampala, Uganda, ⁶Department of Health Promotion, Education and Communication, Ministry of Health, Kampala, Uganda, Kampala, Uganda, ⁷National Malaria Control Division, Ministry of Health, Kampala, Uganda, Kampala, Uganda

LB-8455

Collaborative Research Workshop on Generative AI: Exploring the Potential of Large Language Models in Global Health

Elena Dacal¹, David Bermejo-Peláez¹, Lin Lin², José M. Rubio³, Gloria Dada Chechet⁴, Sobha El Ftouh⁵, Sara Arias⁶, Aman Moussa⁷, Mary Cruz Torrico⁸, Fabiola Gonzales⁹, Ana Valeria Solano⁸, Daniel Illanes⁸, Juan Carlos Rozo-Anaya⁹, Maria Flores-Chavez¹⁰, Jaime García-Villena¹, Daniel Cuadrado¹, Oscar Darias¹, Maria Postigo¹, Ramón Vallés-López¹, Nuria Díez¹, Miguel Luengo-Oroz¹

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LB-8456

Sudan Virus Disease Among Healthcare Workers during the 2022 Ebola Outbreak in Uganda

Abdullah Wailagala¹, Paul Blair², Kenneth Kobba¹, Mubarak Kayiira¹, Hellen Aanyu³, Emmanuel Batiibwe⁴, Daniel Kiiza¹, Bruce Kirenga⁵, Vamsi Vasireddy⁶, Peter Waitt¹, Henry Kyobe⁷, Mohammed Lamorde¹

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LB-8457

The Contribution of e-Mentoring on the Performance of Five National Malaria Control Program Indicators in the North Region, Cameroon

Eka Marcel Ediage¹, Mathurin Dodo², Noella Umulisa², Eric Tchinda Meli¹, Aissata Fofana³, Wirngo Mohamadou³, Olivier Palata¹, Djele Sali⁴, Ateba Joel⁴
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LB-8458

Interrupted time series regression for the evaluation of population impact of typhoid conjugate vaccine in Sindh, Pakistan

Mohammad T. Yousafzai, Muhammad Jawwad, Muhammad A. Memon, Irum F. Dehraj, Shazia Sultana, Farah N. Qamar
The Aga Khan University, Karachi, Karachi, Pakistan

LB-8459

Bile Acid Conjugation Defect in Bangladeshi Children with Environmental Enteric Dysfunction

Farah Hasan¹, Phillip Hylemon², Huiping Zhou², Masud Alam³, Mamun Kabir³, Tahsin Ferdous³, Ayesha Zerin³, Uma Nayak⁴, Alden Chesney⁵, Felix Medrano Garcia⁵, Rashidul Haque³, Jeffrey R. Donowitz⁶
¹Virginia Commonwealth University School of Medicine, Richmond, VA, United States, ²Department of Microbiology and Immunology, Virginia Commonwealth University and Richmond VA Medical Center, Richmond, VA, United States, ³Infectious Diseases Division, The International Centre for Diarrheal Disease Research, Dhaka, Bangladesh, ⁴Department of Public Health Sciences and Center for Public Health Genomics, University of Virginia, Charlottesville, VA, United States, ⁵Department of Pathology, Virginia Commonwealth University, Richmond, VA, United States, ⁶Division of Infectious Diseases and International Health, University of Virginia and Division of Pediatric Infectious Diseases, Children Hospital of Richmond at Virginia Commonwealth University, Charlottesville and Richmond, VA, United States

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LB-8460

Successful recruitment and retention strategies for children aged 9 - 23 months in a fractional and full dose yellow fever vaccination randomized clinical trial in Uganda, 2019-2022

Marjorie Najjengo¹, Arthur B. Sekiziyivu¹, Ellon O. Twinomuhwezi¹, Winfred N. Nakato¹, Conrad Tumwine¹, Angella N. Kisirisa¹, Jane F. Gidudu², Alexandra Tuttle², Rebecca Casey², Susan Y. Chu², Reena H. Doshi², Andrew Kambugu¹, Irene R. Lubega¹
¹Infectious Diseases Institute, Makerere University, Kampala, Uganda, ²Centres for Disease Control and Prevention, Atlanta, GA, United States

LB-8461

Development of a Sudan ebolavirus Vaccine to Support a Rapid Response to Future Outbreaks

Swati Gupta¹, Gretchen Meller¹, Sandhya Talasila¹, Eddy Sayeed¹, Vincent Philiponis¹, Pat Fast¹, Dhurata Dono¹, Ryan Swoyer¹, Jane Halpern¹, Allison Kennedy¹, Melissa Schroeter¹, Samantha Bowen¹, Nina Malkevich¹, Andrew Kilianski²
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LB-8462

Prevalence of malaria infection and gametocyte carriage in adults and children aged 10 years and above in Ouelessebouyou, Mali.

Koualy Sanogo¹, Makonon Diallo¹, Seydina O. Maguiraga¹, Oumar M. Dicko¹, Sekouba Keita¹, Sidi M. Niambéle¹, Ahamadou Youssouf¹, Siaka Samake¹, Sire dit R. Diarra¹, Yaya Sankare¹, Adama Sissoko¹, Adama Dembele¹, Patrick C. Wilikpan Okedy¹, Merel Smit², Leen Vanheer³, Almahamoudou Mahamar¹, William Stone³, Teun Bousema², Chris Drakeley³, Alassane Dicko¹
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LB-8463

Fevers associated with fractional and full dose Yellow Fever vaccination among children aged 9 to 23 months in Uganda.

Arthur Brian Sekiziyivu¹, Marjorie Najjengo¹, Ellon Twinomuhwezi Oyet¹, Irene Lubega¹, Conrad Tumwine¹, Angella K. Namwanje¹, Winfred N. Nakato¹, Alexandra Tuttle², Rebecca Casey², Susan Y. Chu², Reena H. Doshi², Immaculate Ampeire³, Andrew Kambugu¹, Jane F. Gidudu²
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LB-8464

Empathy and shared compassion in malaria care: A rapid ethnographic study of provider emotional response in Uganda

Anna Passaniti¹, Leonard Bufumbo², Suruchi Sood¹, Pallen Mugabe², Musa Kimbowa², Moses Sembatya², Elli Leontsini³, Jane Alaii⁴, Ruth Musekura², Pearl Kobusingye², Lyndsey Mitchum¹, Arzum Ciloglu¹, Leanne Wolff¹, Glory Mkandawire², Joel Kisubi⁵, Sheila Nyakwezi⁵, Rukia Nakamatte⁶, Jimmy Opigo⁶, Sharminah Kawuma⁷, Richard Kabanda⁷, Judith Nalukwago²
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LB-8465

Building Laboratory Capacity for Multiplex PCR Testing as Part of the Integrated Pan-Respiratory Virus Surveillance in the Philippines

Catherine Calzado Dacasin, Vina Lea Arguelles, Marie Therese Quimpo, Jonjee Morin
Research Institute for Tropical Medicine, Filinvest Corporate City, Philippines

LB-8466

Evaluation of Medications and Vaccinations used for Pharmacist-managed Travel Clinic: A Pre-Post Analysis

Pooja M. Cerrato, Patricia Bartley
Cleveland Clinic, Cleveland, OH, United States

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LB-8467

Comparative affective sentiment about COVID-19 and dengue in Latin America and the Caribbean: Epidemiological assessment and associations with COVID-related prevention behaviors

Timothy DV Dye¹, Lisette Alcántara Sanchez¹, Esteban Avendaño-Fernández¹, Adriana Troyo Rodríguez², Ivelisse Rivera¹

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LB-8468

Multi-Contrast and Multi-Modal Machine Learning to Automate Schistosoma haematobium Diagnostics at the Point-Of-Care

María Díaz de León Derby¹, Charles B. Delahunt², Dipayan Banik², Anne-Laure Le Ny², Matthew D. Keller², Luis F. Alonzo², David Bermejo-Peláez³, Daniel Cuadrado³, Elena Dacal Picazo³, Jaime Garcia Villena³, Miguel Luengo Oroz³, Isaac I. Bogoch⁴, Daniel A. Fletcher¹

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LB-8469

< Bead-based assays of antibody responses to South Asian Plasmodium falciparum and Plasmodium vivax infections >

Devaraja G. Mudeppa, Elizabeth Momoh, Sonam K. Ghag, John white, Laura Chery-Karschneya, Pradip K. Rathod
University of Washington, Seattle, WA, United States

LB-8470

The impact of climate, geographic and demographic factors on changing patterns of dengue in Peru, 2015-2022

Jessica L. Butler, Talia Quandelacy
University of Colorado, Denver, CO, United States

LB-8471

Ocular toxoplasmosis: about two clinical cases in the Infectious Diseases Department, CHU Point G, Bamako, Mali.

Oumar Magassouba, Yacouba Cissoko, Issa Konate, Assetou Fofana, Mariame Soumare, Mamoutou Dembele, Djibril Doucoure, Yama Doumbia, Salia Diarra, Salia Diarra, Dramane Sogoba, Abdoulaye Napo, Seydou Diallo, Sounkalo Dao
CHU PointG, Bamako, Mali

LB-8472

Covid-19 era policies as an effect modifier on HIV risk among transgender women in Florida

Elena Cyrus

University of Central Florida, Lake Nona, FL, United States

LB-8473

The antimalarial herbal Cryptolepis sanguinolenta reduced drug-resistant HIV load in a clinical case report

MOHAMED MUTOCHELUH¹, Anthony Enimil², Albert Dompok²

¹Kwame Nkrumah University of Science & Technology, Kumasi, Ghana, ²Komfo Anokye Teaching Hospital, Kumasi, Ghana

LB-8474

Can Latent Toxoplasma Infection be a Risk of COVID-19 Morbidity for People Living with HIV?

Tokio Hoshina¹, Tomomi Miyamoto¹, Kenji Sawaki¹, Yohei Sakamoto¹, Makiko Miyajima¹, Kwangyole Lee¹, Kazuhiko Nakaharai¹, Kumi Tamura¹, Tetsuya Horino¹, Yasushi Nakazawa¹, Hirotaka Kanuka², Masaki Yoshida¹
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LB-8475

Benign Phenotype of Reduced Circulating Neutrophil Count Among African, Caribbean, and Black Children Living with HIV

Isabelle Bernard¹, Doris G. Ransy², Jason Brophy³, Fatima Kakkar⁴, Ari Bitnun⁵, Lindy Samson⁶, Stanley Read⁵, Hugo Soudeyns⁷, Michael T. Hawkes⁸

¹University of Alberta, Edmonton, AB, Canada, ²Unité d'immunopathologie Virale, Centre de Recherche du CHU Sainte-Justine, Montreal, QC, Canada, ³University of Ottawa, Ottawa, ON, Canada, ⁴Department of Pediatrics, CHU Sainte-Justine, Montreal, QC, Canada, ⁵Division of Infectious Diseases, Hospital for Sick Children, Department of Pediatrics, University of Toronto, Toronto, ON, Canada, ⁶Division of Infectious Diseases, Children's Hospital of Eastern Ontario, Ottawa, ON, Canada, ⁷Department of Microbiology, Infectiology & Immunology, Université de Montréal, Montreal, QC, Canada, ⁸Department of Pediatrics, University of Alberta, Edmonton, AB, Canada

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LB-8476

CMV-qPCR detection in CSF and blood clot samples from HIV patients in hospitals located in Peru and Bolivia in 2020-2023

Ricardo Medrano-Colmenares¹, Neiza Vargas¹, José Camones-Huerta¹, Lucero Mascaro-Rivera¹, Andrea Diestra¹, Amelia Lopez-Alva¹, Lucero Merino-Castañeda¹, Lilia Cabrera¹, Robert Gilman², Martiza Calderon¹, **Monica J. Pajuelo**¹
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LB-8477

Combined Oro-facial Complications Of Herpes Zoster Infection In An Elderly: A Case Report And Review Of Literature

Afeez Salami, Ijeboimoh Joseph, Taoheed Mudasiru, **Elizabeth Abe**, Akinyele Adisa
University College Hospital, Ibadan, Nigeria

LB-8478

Clinical Outcomes of Children registered in HIV care following an extensive HIV outbreak in Pakistan

Fatima Mir¹, Victoria Simms², Apsara A. Nathwani¹, Aftab Memon¹, Pirbh D. Lalwani³, Shahida Memon⁴, Ershad Kazmi⁵, Ruslan Malyuta⁶, Dorothy Mbori-Ngacha⁷, Ayaz Hussain⁷, Syed K. Asghar⁸, Syed F. Mahmood¹, Rashida A. Ferrand⁹
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LB-8479

Longitudinal and Cross-sectional Analyses of Asymptomatic HIV-1_Malaria Co-infection in Kisumu County_Kenya

Janet N. Oyieko¹, Nathaniel K. Copeland², Solomon Otieno¹, Carolyne Kifude¹, Stephen Ocholla¹, Jack Hutter¹, Hunter J. Smith¹, John Waitumbi¹, Ashleigh

Roberts³, Shirley Luckhart⁴, Ann V. Stewart³
¹KEMRI USAMRD-A, Kisumu, Kenya, ²Tripler Army Medical Center, Honolulu, HI, United States, ³USUHS, Bethesda, MD, United States, ⁴KEMRI USAMRD-A, Moscow, ID, United States

LB-8480

Cross sectional study of prevalence of, and risk factors for, latent tuberculosis in people living with HIV infection

Eakdeaw Vipasrinimit¹, Richard J. Maude², **Rapeephan R. Maude**¹
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LB-8481

Preliminary results and lessons learned from a one-year implementation of HIV/AIDS index case testing in military health facilities in Gabon, pioneering this approach in the country.

Mariam Bahova¹, Luc Armel Nkala Mfolou¹, Asma Qureshi¹, Sandra Djalle Incardona¹, Colonel Brice Angwe Eboue², Colonel Laurette Mangouka², Colonel Josiane Ada Nkah², Commandant Landry Nzamba Maganga²
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LB-8482

Understanding Mobile Health Readiness by Mapping Cellular Network Coverage Across 4 Counties in Western Kenya

Carson Paige Moore¹, Natalie Robbins¹, Maurice Odiere², Kennedy Andiego², Meredith Odhiambo², Gladys Odhiambo², Fredrick Rawago², Thomas Scherr¹
¹Vanderbilt University, Nashville, TN, United States, ²Kenya Medical Research Institute Centre for Global Health, Kisumu, Kenya

LB-8483

Preventive chemotherapy for Trachoma in mobile and migratory populations: A collaborative approach between countries

Joyce Achan¹, Rapheal Opon², Edwin Mayoki¹, Stephen Begumisa¹, Charles Kissa², Samson Lokele³, James Lemukol⁴, Stella Agunyo¹, Sharone Backers¹, Alfred Mubangizi², Jeremiah Ngondi⁵
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LB-8484

Adherence to tetracycline eye ointment during annual mass drug administration for trachoma control in Amhara region, Ethiopia: a cross sectional study

Solomon Aragie Wondimkun

F.I Proctor Foundation at UCSF/TCC-Ethiopia, Addis Ababa, Ethiopia

LB-8485

Better Data, Better Decisions: Using Electronic Data Collection to Advance LF Elimination in Haiti

Carl Renand Fayette¹, Alain Javel¹, Eurica Denis¹, Uder Antoine¹, Amy Veinoglou², Marc Aurèle Telfort³

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LB-8486

Studying Barriers and Facilitators to Chagas Disease Screening and Etiological Treatment: An Implementation Science Approach - Trata-Chagas

CARLOS H. MOREIRA¹, Laura Azevedo², Desiree Sant Ana Haikail³, Claudia Di Lorenzo Oliveira⁴, Clareci Silva Cardoso⁴, Ana Luiza Bierrenbach⁵, Ariela Mota Ferreira³, Nayara Dornela Quintino⁶, Nayara Ragi Baldoni⁷, Renata Fiuza Damasceno⁸, Ana Carolina de Oliveira Gonçalves⁴, Malu Ribeiro Drumond³, Thallyta Maria Vieira³, Andréia Brito de Souza³, Dardiane Santos Cruz³, Sâmara Fernandes Leite³, Léa Campos Oliveira⁹, Antônio Luiz Pinho Ribeiro¹⁰, Ester Cerdeira Sabino⁹

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LB-8487

Reduction in the burden of intestinal schistosomiasis and soil transmitted helminths

infections after two consecutive years of MDA in The Gambia

Serign Jawo Ceesay

MRC, The Gambia, Research, Gambia

LB-8488

Addressing the last mile challenge for Onchocerciasis Elimination: Leveraging Digitalized Supervisor Coverage Tool for Mass Drug Administration Improvement and strengthening Community Drug Distributors performance in Mahenge Focus, Tanzania

Dorica Burengelo¹, Ambakisye Mhiche¹, Evangelina Chihoma¹, Casmil Masayi¹, Ezekiel Moirana², Shabbir Lalji¹, Julius Masanika¹

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LB-8489

Early molecular diagnosis of congenital Chagas disease using LAMP from FTA dried blood spots: Transference to Public Health Institutions in Latin America

Silvia A. Longhi¹, Sergi Sanz², Lady J. García-Casares¹, Arturo Muñoz-Calderón¹, Daniel F. Lozano Beltrán³, Laura Ferradino², Sebastián Cañón⁴, Mirko Rojas Cortez², María J. Pinazo², Joaquim Gascon², Kenji Hirayama⁵, Antonieta Rojas de Arias⁶, Faustino Torrico³, Marcelo Abril⁴, Julio Alonso-Padilla², Alejandro G. Schijman¹

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LB-8490

Traditional fermented vegetable diet improves hematological markers in rural Pakistani women of reproductive age

Sumbal Hafeez Haris, Najeeha Talat Iqbal, Junaid Iqbal, Fariha Shaheen, Sheraz Ahmed, Aneeta Hotwani, Kumail Ahmed, Syed Asad Ali
Aga Khan University, Karachi, Pakistan

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LB-8491

EFFECT OF THE COVID 19 PANDEMIC ON THE DIAGNOSIS AND TREATMENT OF CONGENITAL CHAGAS IN SANTA CRUZ, BOLIVIA 2019-2023

Freddy Tinajeros¹, Paloma Samame¹, Maria del Carmen Menduina², Jean Karla Velarde¹, Clariza Chavez¹, Sydney Puerto_Meredith³, Robert Gilman⁴, Natalie Bowman⁵
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LB-8492

Results of the Post Neglected Tropical Disease mass drug administration (MDA) coverage survey in the regions of Tambacounda, Louga, Saint Louis and Kédougou in Senegal in 2022.

Ndeye M. Kane¹, Rose Monteil², Kisito Ogooussan³
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LB-8493

Trends in Typhoid-associated Ileal Perforations following the Introduction of the Typhoid Conjugate Vaccine in Pakistan: Findings from a Multi-Center Hospital-Based Surveillance Program

Saqib Hamid Qazi¹, Muhammad Tahir Yousafzai¹, Irum Fatima Dehraj¹, Nasir Saleem Saddal², Denise Garrett³, Farah Naz Qamar¹
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LB-8494

Equity of ITN distribution via primary school delivery and mass campaigns over time in mainland Tanzania

Hannah Koenker¹, Peter Gitanya², Ruth Msolla³, Naomi Serbantez⁴, Dismass Charles Mwalimu², Samuel Lazaro², Frank Chacky², David Dadi³, Benjamin Kamala³
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Ministry of Health, Dodoma, United Republic of Tanzania, ³USAID Tanzania Vector Control Activity, Johns Hopkins Centre for Communication Programs, Dar es Salaam, United Republic of Tanzania, ⁴U.S. President's Malaria Initiative, USAID, Dar es Salaam, United Republic of Tanzania

LB-8495

Obesity, diabetes, and malaria: systematic review and meta-analysis

Hyelan Lee¹, Yongyeon Choi¹, **Sangshin Park**¹, Yeonjin Lee²
¹University of Seoul, Seoul, Republic of Korea, ²Kookmin University, Seoul, Republic of Korea

LB-8496

Clinical phenotypes of immunity following malaria resurgence in Tororo, Uganda despite sustained vector control interventions

Joaniter I. Nankabirwa¹, Prasanna Jagannathan², Felistus Namirimu³, Stephen Tukwasibwe³, Matoo Zedi³, Emmanuel Arinaitwe³, Isabel Rodriguez-Barraquer⁴, Bryan Greenhouse⁴, Moses R. Kamya¹, Grant Dorsey⁴
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LB-8497

Mapping markers of antimalarial resistance in Cameroon to assess suitability for Perennial Malaria Chemoprevention as part of the Plus Project

Innocent Mbuli Ali¹, **Ana Chopo-Pizarro**², Emma Filtenborg Hocke³, Valery Pacome K. Tchuenkam⁴, Peter Thelma Ngwa Niba¹, Akindeh Mbuh Nji¹, Jude D. Bigoga¹, Andria Mousa², Colin J. Sutherland², Helle Smedegaard Hansson³, Khalid B. Beshir², Michael Alifrangis³, Cally Rooper², Wilfred F. Mbacham¹
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LB-8498

In vivo study to monitor the sensitivity of Plasmodium falciparum and other species to Pyronaridine-artesunate and Artemether-lumefantrine in Niger.

Bakary Fofana¹, Souleymane Brah², Mamane Daou², Amadou H Togo¹, Amadou Bamadio¹, Traore Aliou¹, Issaka Sagara¹, Alassane Dicko¹, Jean Bosco Ouedraogo³, Abdoulaye Djimde¹, Eric Adehossi²
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LB-8499

Impact of sickle cell trait on Plasmodium spp. infection in a Malian malaria endemic population

M'Bouye Doucoure¹, Amatigue Zeguime¹, Boucary Ouologuem¹, Sidiki Perou¹, Allaye Tolo¹, Abdoulaye Katile¹, Bourama Kamate¹, Moussa B Kanoute¹, Bakary Dao¹, Drissa Dembele¹, Bayaya Haidara¹, Ousmane Abel Poudiougou¹, Moussa Tienta¹, Karim Bengaly¹, Justin Doritchamou², Jen Hume², Boubacar Traore¹, Jordyn Gamiel³, Patrick Duffy², Issaka Sagara¹
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LB-8500

A pilot observational study of an active surveillance tool to enhance pharmacovigilance in Brazil

Dhelio Batista Pereira¹, Marcus Vinícius Guimarães Lacerda², Pavandeep Bilku³, Carolina Duarte³, Ioana-Gabriela Fița⁴, Felix Jackson³, Siôn Jones⁴, Ana Martin⁴, Marcia Rangel⁵, Katie Rolfe⁶, Alex Teckkam³, Roberto Zajdenverg⁵, Anup Pingle⁷
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LB-8501

Technical Support Supervision Improved Quality of Malaria Diagnosis in The Lake Endemic Region of Western Kenya

E. Yamo¹, F. Nzuve², E. Oloo³, P. Chesire⁴, P. Rukwaro⁵, B. Malala⁶, G. Odhiambo⁷, N. Ondenge⁸, R. Sabul⁹, P. Wafula¹⁰, R. Kiplagat¹¹, R. Kandie¹², R. Mwinga¹, R. Saye¹, L. Teklemichael¹, J. Buekens¹, J. Niemczura¹

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LB-8502

Focal mass drug Administration for Plasmodium vivax Malaria Elimination (FLAME): study design and methodology for an open-label cluster-randomized controlled trial

Sydney Fine¹, Paulo Manrique², Astrid Altamirano Quiroz², Veronica Soto Calle², Hugo Rodriguez Ferrucci², Gabriel Carrasco Escobar², Jade Benjamin-Chung³, Adam Bennett¹, Sarah Auburn⁴, Ric Price⁴, Bryan Greenhouse¹, Kevin Baird⁵, Gonzalo Domingo⁶, Michelle Roh¹, Angel Rosas Aguirre², Alejandro Llanos Cuentas², Michelle Hsiang¹
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LB-8503

Comparative Analysis of Basic Malaria Diagnostic Refresher Training Participants: Competency scores and Professional Cadres

Liyu Teklemichael, Renion Saye, Emanuel Yamo, Rodgers Mwinga, Jordan Smith, Sandra Incardona, Julie Niemczura, Julie Buekens
U.S. PMI Impact Malaria Project, MCD Global Health, Silver Spring, MD, United States

LB-8504

Data triangulation of severe malaria cases to account for artesunate injectable consumption in Migori County Referral Hospital in Kenya

Samwel Kola, Chester Kolek, Michael Nyachae, George Otieno, Meera Shah
USAID Global Health Supply Chain-Procurement and Supply Management, Nairobi, Kenya

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LB-8505

Cardiac safety of dihydroartemisinin-piperazine and sulfadoxine pyrimethamine among pregnant women with and without asymptomatic parasitaemia in Tanzania: results from an open-label, parallel-group, randomised phase II trial

Jacklin F. Moshia¹, Reginald A. Kavishe², Frank Moshia², Alphaxard Manjurano³, Iraseni Swai², Third Mpende², Pascal Voiriot⁴, Helen Demarest⁵, Andre Marie Tchouatieu⁵, Stephan Duparc⁵, Georgia R. Gore-Langton⁶, Daniel Chandramohan⁶, **R. Matthew Chico**⁶
¹National Institute for Medical Research, Mwanza, Tanzania, Mwanza, United Republic of Tanzania, ²Kilimanjaro Clinical Research Institute and Kilimanjaro Christian Medical University College, Moshi, United Republic of Tanzania, ³National Institute for Medical Research, Mwanza, United Republic of Tanzania, ⁴Cardibase Banook Group, Nancy, France, ⁵Medicines for Malaria Venture, Geneva, Switzerland, ⁶London School of Hygiene & Tropical Medicine, London, United Kingdom

LB-8506

Uncorrected Efficacy of artemether-lumefantrine for the treatment of uncomplicated Plasmodium falciparum infection in Rwanda, 2022

Naomi W. Lucchi¹, Noella Umulisa², Jean Modeste Harerimana², Celestin Ntirandeka², Kaendi Munguti³, Beata Mukarugwiro³, Aimable Mbituyumuremyi⁴, Aline Uwimana⁴
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LB-8507

Changes in acquired immunity to P. falciparum Sexual Stage Antigens following Treatment with transmission blocking drugs in individuals from Oueslesébougou, Mali

Helena Brazal Monzó¹, Almahamoudou Mahamar², Merel J. Smit³, Sidi M. Niambele², Kjerstin Lanke³, Koualy Sanogo², Oumar M. Dicko², Siaka Samake², Adama Dembele², Makonon Diallo², Seydina O. Maguiraga², Yaya Sankaré², Sekouba Keita², Cohen Govender¹, Ema Begum¹, Leen Vanheer¹, Katie Patterson¹, Elin Dumont¹, Chris Drakeley¹, Teun Bousema³, Alassane Dicko², William Stone¹
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Technologies of Bamako, Bamako, Mali, ³Department of Medical Microbiology and Radboud Center for Infectious Diseases, Radboud University Medical Center, University of Nijmegen, Nijmegen, Netherlands

LB-8508

From quarterly to monthly data validation meeting to improve malaria routine data quality: results of an innovative and high-impact experience in Benin in 2022

Achille COUAO-ZOTTI, Saka KPANOU, Christian GODJO, Julien AÏSSAN, Cyriaque AFOUKOU
National Malaria Control Program, Cotonou, Benin

LB-8509

Quality Improvement of Malaria Diagnostics in Sierra Leone: Where Did We Get It Right?

R. Dena¹, F. Chalobah², J. Quee², R. Alpha³, D. Harding⁴, Z. Koroma⁴, E. Yamo¹, L. Teklemichael⁵, C. C. Carr⁶, J. Buekens⁵, A. Kamara⁷, J. Niemczura⁵, N. Whitehurst⁸, J. Mugasa³
¹PMI Impact Malaria, MCD Global Health, Kisumu, Kenya, ²PMI Impact Malaria, MCD Global Health, Freetown, Sierra Leone, ³PMI Impact Malaria, PSI, Freetown, Sierra Leone, ⁴DMOH&S, Directorate of Laboratory Diagnosis and Blood Services, Freetown, Sierra Leone, ⁵PMI Impact Malaria, MCD Global Health, Silver Spring, MD, United States, ⁶U.S. President's Malaria Initiative, USAID, Freetown, Sierra Leone, ⁷National Malaria Control Program, Freetown, Sierra Leone, ⁸PMI Impact Malaria, PSI, Washington, DC, United States

LB-8510

Global prevalence and risk factors of urban malaria: A systematic review

Md Mahfuj Alam, Augustine Dada, Estee Cramer, Andrew Lover
University of Massachusetts Amherst, Amherst, MA, United States

Poster Session C Presentations

Saturday, October 21, 2023, 11 am - 12:45 pm

Grand Hall GHI – Ballroom Level (East Tower)

LB-8511**Results of the Tafenoquine Rollout STUDY in Brazil - a real-world feasibility study of over 6000 patients**

Marcus VG Lacerda¹, Marcelo Brito¹, Rosilene Ruffato², Felipe Murta¹, Vanderson Sampaio¹, Patrícia Balieiro¹, Djane Baía-Silva¹, Vanessa Castro³, Brenda Alves¹, Aline Alencar¹, Stephan Duparc⁴, Penny Grewal Daumerie⁴, Isabelle Borghini-Fuhrer⁴, Elodie Jambert⁴, Cássio Peterka⁵, Francisco Edilson Lima Jr⁵, Leonardo Carvalho Maia⁵, Catherine Lucena Cruz², Bruna Maciele², Mariana Vasconcelos², Myrna Machado⁶, Elder Augusto Figueira⁶, Antônio Alcirley Balieiro⁷, Alexandre Menezes⁸, Roberta Ataídes⁸, Dhelio Batista²
¹Fundação de Medicina Tropical Dr Heitor Vieira Dourado, Manaus, Brazil, ²Centro de Pesquisa em Medicina Tropical de Rondônia, Porto Velho, Brazil, ³Universidade do Estado do Amazonas, Manaus, Brazil, ⁴Medicines for Malaria Venture, Geneva, Switzerland, ⁵Brazilian Ministry of Health, Brasília, Brazil, ⁶Fundação de Vigilância em Saúde, Manaus, Brazil, ⁷Global Health Strategies, Rio de Janeiro, Brazil, ⁸University of Texas Medical Branch, Galveston, TX, United States

LB-8512**IgG1 and IgG3 binding antibodies and avidity index associate with protection from malaria infection in R21 CHMI trial**

Aaron W. Deal¹, Rachel Spreng¹, Kelly Seaton¹, Alexander Carnacchi¹, Angelina Sharak¹, Allison Schechter¹, Sheetij Dutta², Umar Qureshi¹, Sarah Mudrak¹, Katie Ewer³, Adrian Hill³, Georgia Tomaras¹
¹Duke University, Durham, NC, United States, ²Walter Reed Army Institute of Research, Silver Spring, MD, United States, ³University of Oxford, Oxford, United Kingdom

LB-8513**Malaria Vector Surveillance In Ghana: Empowering District Health Units For Data Collection**

Otubea Owusu Akrofi¹, Christian Atta-Obeng¹, Ernest Boampong¹, Keziah L. Malm¹, Andy Asafu-Adjae², Samuel Kweku Dadzie³
¹National Malaria Elimination Programme, Accra, Ghana, ²Noguchi Memorial Institute for Medical Research, Accra, Ghana, ³Noguchi Memorial Institute for Medical Research, Accra, Ghana

LB-8514**High rates of recurrences of antimalarial treatments against *P. falciparum* and *P. vivax* in****Brazil´s northernmost region raise alert for the emergence of drug resistance.**

Anielle Pina-Costa¹, Heloísa Ferreira Pinto Santos², Patrícia Mello Andrade², Ana Carolina Castro de Jesus², Caroline dos Santos Soares², Anna Caroline Campos Aguiar³, Jaime Louzada⁴, Joseli Oliveira-Ferreira², Martha Cecilia Suarez Mutis², ANDRE SIQUEIRA²
¹UNIVERSIDADE FEDERAL FLUMINENSE, Niteroi, Brazil, ²FIOCRUZ, Rio de Janeiro, Brazil, ³Universidade Federal de São Paulo, Santos, Brazil, ⁴Universidade Federal de Roraima, Boa Vista, Brazil

LB-8515**Dynamics of Insecticide resistance monitoring in mainland Tanzania from 2004 to 2020 and its implication to LLINs efficacy****Patrick K. Tungu**

National Institute for Medical Research, Tanga, United Republic of Tanzania

LB-8516**Severe malaria at the end of transmission season in urban and rural setting in of Koulikoro, Mali**

Daouda Sanogo¹, Fousseyni Kane¹, Soumba Keita¹, Mahamoudou Toure¹, Jeffrey G. Shaffer², Seydou Doumbia³

¹University Clinical Research Center, Bamako, Mali, ²Tulane University, school of Public Health, New Orleans, LA, United States, ³University of sciences, tech and technology of Bamako, Bamako, Mali

LB-8517**Development of novel machine learning algorithms for malaria risk assessments utilizing a mHealth clinical risk assessment platform incorporating computer vision based acquisition of ground truth data captured by frontline health workers in Nigeria.**

Ollin D. Langle Chimal¹, Samuel Scarpino², Megan McLaughlin¹, Ezra Mount-Finette¹, Lynn Metz¹, Nirmal Ravi³, Shawna Cooper⁴, Sam Smedinghoff⁴, David Hattery⁴, Yongshao Ruan⁴, Barry Finette¹
¹THINKMD, Burlington, VT, United States, ²Northeastern University, Boston, MA, United States, ³eHealth Africa, Kano, Nigeria, ⁴Audere, Seattle, WA, United States

Poster Session C Presentations*Saturday, October 21, 2023, 11 am - 12:45 pm**Grand Hall GHI – Ballroom Level (East Tower)***LB-8518****High prevalence of low level parasitemia with few malaria cases in an intensive longitudinal cohort to study malaria transmission in a pre-elimination setting of southern Zambia**

Jessica L. Schue¹, Japhet Matoba², Harry Hamapumbu², Michael Musonda², Tamaki Kobayashi¹, Precious Mwaanga², Ben Katowa², Timothy M. Shields¹, Andre Hackman¹, Amy Wesolowski¹, Edgar Simulundu², Douglas E. Norris¹, William J. Moss¹
¹Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, ²Macha Research Trust, Choma, Zambia

LB-8519**A Plasmodium falciparum PRELI domain-containing protein confers resistance to an analog of the potent natural antimalarial salinopostin A**

Sunil Kumar Narwal¹, John M. Bennett², John Okombo¹, Tomas Yeo¹, Matthew M. Bogyo², David A. Fidock¹
¹Department of Microbiology and Immunology, Columbia University Irving Medical Center, New York, NY, United States, ²Department of Chemistry, Stanford University, Stanford, CA, United States

LB-8520**Performance of Molecular Inversion Probes (MIP) and the Paragon Amplicon Method for Detection of Plasmodium falciparum Mutations Associated with Antimalarial Drug Resistance**

Thomas Katairo¹, Victor Asua¹, Bienvenu Nsengimaana¹, Stephen Tukwasibwe¹, Francis Ddumba¹, Shreeya Garg², Shahiid Kiyaga¹, Monica Mbabazi¹, Diana Kabaale¹, Samuel L. Nsohya¹, Moses R. Kamya¹, Isaac Ssewanyana¹, Andres Aranda-Diaz², Bryan Greenhouse², Jeffrey A. Bailey³, Philip J. Rosenthal², Jessica Briggs², Melissa Conrad²
¹Infectious Diseases Research Collaboration, Kampala, Uganda, ²University of San Francisco, San Francisco, San Francisco, CA, United States, ³Brown University, Providence, RI, United States

LB-8521**Trial Protocol for CHILD (Child Health and Infection with Low Density malaria), a randomized controlled trial to assess the long-term health and socioeconomic impacts of testing and treating low density malaria infection (LMI) among children in Tanzania.**

Sylvia Jebiwott¹, Nicolaus Gutapaka², Deborah Sumari², Georg Loss³, Thabit Athuman², Jane Nyandele², Hannah Sans¹, Mwajuma Chemba², Jade Benjamin-Chung⁴, Gangar Pamela¹, Xue Wu¹, Jennifer Smith¹, Ingrid Chen¹, Bryan Greenhouse¹, Grant Dorsey¹, Günther Fink³, Ally Olotu², Michelle Hsiang¹
¹University of California, San Francisco, San Francisco, CA, United States, ²Ifakara Health Institute, Bagamoyo, United Republic of Tanzania, ³Swiss Tropical and Public Health Institute and University of Basel, Allschwil, Switzerland, ⁴Stanford University, Stanford, CA, United States

LB-8522**ACTwatch Lite - revised methods and toolkit for private sector antimalarial and RDT market measurement**

Paul Bouanchaud¹, Manfred Accrombessi², Katelyn Woolheater¹, Erica Wang¹, Catharine Hurley¹, Cyprien Zinsou³, Ghyslain Guedegbe³, Stephen Poyer¹
¹Population Services International, Washington, DC, United States, ²Population Services International, Cotonou, Benin, ³Association Béninoise pour le Marketing Social, Cotonou, Benin

LB-8523**Exploring the efficacy of attractive targeted sugar baits as an intervention against malaria**

Nima Moghaddas¹, Mohamed M. Traore², Christen Fornadel³, Thomas S. Churcher¹
¹Imperial College London, London, United Kingdom, ²University of Sciences, Techniques and Technology of Bamako, Bamako, Mali, ³Innovative Vector Control Consortium, Liverpool, United Kingdom

LB-8524**PfSPZ Vaccine efficacy against malaria and immune responses impacted by COVID-19**

James G. Kublin¹, Elizabeth Duke¹, Dianna Hergott¹, Gift Nwanne¹, Sean Murphy², Jonathan Herman³, Benjamin Kellman³, Thomas Richie⁴, Preston Church⁴, Stephen Hoffman⁴
¹Fred Hutch, Seattle, WA, United States, ²University of Washington, Seattle, WA, United States, ³Harvard, Boston, MA, United States, ⁴Sanaria, Rockville, MD, United States

Poster Session C Presentations

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LB-8525**Phase 1 trial design for Pvs230D-EPA/Matrix M™, a novel transmission blocking vaccine for malaria caused by Plasmodium vivax**

Joel Goldberg¹, John Woodford¹, David Cook¹, Judith Epstein¹, Sara Healy¹, Emily Higbee¹, Aye Diallo¹, Justin Doritchamou¹, Jen C. C. Hume¹, Martha Nason¹, Bruce Swihart¹, Nicholas MacDonald¹, Kelly M. Rausch¹, Puthupparampil Scaria¹, Daming Zhu¹, David L. Narum¹, Filip Dubovsky², Gale Smith², Greg M. Glenn², Patrick E. Duffy¹

¹NIH, BETHESDA, MD, United States, ²Novavax, Inc., Gaithersburg, MD, United States

LB-8526**Identification of RTS,S/AS01-induced biomarkers associated with protection in controlled human malaria infection studies**

Lenny Moise¹, Todd Suscovich¹, Thomas Linnekin¹, Caitlyn Linde¹, Scott Gregory², Ulrike Wille-Reece², Cynthia Lee², Neville Kialu², Jishnu Das³, Galit Alter⁴
¹SeromYx Systems, Woburn, MA, United States, ²PATH Center for Vaccine Innovation and Access, Washington, DC, United States, ³University of Pittsburgh, Pittsburgh, PA, United States, ⁴The Ragon Institute of MGH, MIT, and Harvard University, Cambridge, MA, United States

LB-8527**Updated prevalence of subclinical Plasmodium falciparum infection among pregnant women and infants in Maferinyah, Guinea**

Mory Cherif Haidara¹, Alexandre Delamou¹, David Cook², Bienvenu Camara¹, Aye Diallo², Kade Kallon³, Daouda Camara¹, Idrissa Balde¹, Cece Francis Kolie¹, Michel Koropogui¹, Esther Akpa⁴, Justin Y. A. Doritchamou², Jillian Neal², Jennifer Kwan⁵, Patrick Duffy², Abdoul Habib Beavogui¹

¹Centre National de formation et de recherche en santé rurale (CNFRSR) de Maferinyah, Maferinyah, Guinea, ²Laboratory of Malaria Immunology and Vaccinology, NIAID, NIH, Bethesda, MD, United States, ³Collaborative Clinical Research Branch, NIAID, NIH, Maferinyah, Guinea, ⁴Collaborative Clinical Research Branch, NIAID, NIH, Bethesda, MD, United States, ⁵Laboratory of Clinical Immunology and Microbiology, NIAID, NIH, Bethesda, MD, United States

LB-8528**Genetic Diversity of SP-resistant Parasites in Pregnant Women in Kintampo, Ghana**

Afnan Nuruzzaman¹, David K. Dosoo², Dennis Adu-Gyasi², Jeffrey A. Bailey¹, Kwaku P. Asante², Karamoko Niare¹

¹Brown University, Providence, RI, United States, ²Kintampo Health Research Centre, Kintampo, Ghana

LB-8529**Identifying serological markers of recent Plasmodium falciparum exposure for precision malaria surveillance**

Joanna Vinden¹, Inna Gerlovina¹, Sophia Maxfield¹, Charles Le¹, Kevin Tetteh², Isaac Sswenyana³, Yaobao Liu⁴, Jun Cao⁴, Christopher King⁵, Lenore Carias⁵, Frances Ndungu⁶, Rie Nakajima⁷, Aarti Jain⁷, Phil Felgner⁷, Ivo Mueller⁸, Chris Drakeley², Isabel Rodriguez-Barraquer¹, Bryan Greenhouse¹
¹UCSF, San Francisco, CA, United States, ²London School of Tropical Medicine & Hygiene, London, United Kingdom, ³Central Public Health Laboratories of the Republic of Uganda, Kampala, Uganda, ⁴Jiangsu Institute of Parasitic Disease, Jiangsu, China, ⁵Center for Global Health and Diseases, Case Western Reserve University, Cleveland, OH, United States, ⁶KEMRI-Wellcome Trust Collaborative Programme, Kilifi, Kenya, ⁷University of California, Irvine, Irvine, CA, United States, ⁸Division of Population Health and Immunity, The Walter and Eliza Hall Institute, Melbourne, Australia

LB-8530**Germline-targeting vaccines for Plasmodium falciparum malaria**

Mark D. Langowski

University of Washington, Seattle, WA, United States

Poster Session C Presentations

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LB-8531**Assessment of immuno-haematological effects due to helminthiasis in patients with Mycobacterium tuberculosis complex infection Bobo-Dioulasso, Burkina Faso**

Diakourga Arthur Djibougou¹, Gloria Ivy Mensah², Achille Kabore³, Leon Tinnoga Sawadogo⁴, Felix Lompo⁵, Amariane Kone¹, Hervé Mwinone Hien¹, Bassirou Bonfoh⁶, Kennedy Kwasi Addo², Adrien Marie-Gaston Belem⁷, Clement Ziemlé Meda¹, Roch Konbobr Dabiré⁸, Jonathan Hoffmann⁹, Matthieu Perreau¹⁰, Potiandi Serge Diabougou⁸
¹Centre MURAZ/National Institute of Public Health, Bobo-Dioulasso, Burkina Faso, ²Noguchi Memorial Institute for Medical Research, College of Health Sciences, University of Ghana, Accra, Ghana, ³FHI 360, Infectious Disease and Health Systems, Washington, DC, United States, ⁴National Tuberculosis Programme, Ministry of Health, Ouagadougou, Burkina Faso, ⁵Etudes Formation et Recherches Développement en Santé (EFORDS), Ouagadougou, Burkina Faso, ⁶Centre Suisse de Recherches Scientifique de Côte d'Ivoire, Abidjan, Côte D'Ivoire, ⁷Université Nazi BONI, Bobo-Dioulasso, Burkina Faso, ⁸Institut de Recherche en Sciences de la Santé, Bobo-Dioulasso, Burkina Faso, ⁹Département Médical et Scientifique, Fondation Mérieux, Lyon, France, ¹⁰Université de Lausanne, Faculty of Biology and Medicine, Lausanne, Switzerland

LB-8532**Testosterone is a biomarker of treatment outcomes in males with active pulmonary tuberculosis**

Djeneba Koumba Dabitao¹, Bocar Baya¹, Chad Achenbach², Ibrahim Sanogo¹, Amadou Somboro¹, Mamadou Wague¹, Mamadou D. Coulibaly¹, Mahamadou Kone¹, Nadie Coulibaly¹, Isaac Koloma¹, Mohamed Nantoume¹, Mariam Coulibaly¹, Mamadou Perou¹, Behinan Gnapo Janvier Stephane¹, Bassirou Diarra¹, Moumine Sanogo¹, Ayouba Diarra¹, Mamadou Diakite¹, Souleymane Diallo¹, Yacouba Toloba¹, Robert L. Murphy², William R. Bishai³, Sabra L. Klein³, Jane L. Holl⁴, Seydou Doumbia¹
¹University of Sciences, Techniques, and Technologies, Bamako, Mali, ²Northwestern University, Chicago, IL, United States, ³Johns Hopkins University, Baltimore, MD, United States, ⁴University of Chicago, Chicago, IL, United States

LB-8533**The role of Covid-19 and influenza viruses in the occurrence of acute respiratory infections among patients of Lviv Regional Infectious Diseases Hospital**

Iryna Ben¹, Oksana Semenyshyn², Aleksander Zinchuk¹
¹Danylo Halytsky Lviv National Medical University, Lviv, Ukraine, ²State Institution Lviv Oblast Center for Disease Control and Prevention of the Ministry of Health of Ukraine, Lviv, Ukraine

LB-8534**Comparative effectiveness of interventions for preventing tuberculosis: A Bayesian network meta-analysis of randomized controlled trials**

Alemneh Mekuriaw Liyew
Curtin University, Perth, Australia

LB-8535**Review of childhood pneumonia research priorities to catalyse increased donor investment**

Angharad Steele¹, Carina King², Rebecca Nantanda³, Elizabeth Berryman¹, Leith Greenslade⁴, Kevin Baker¹
¹Malaria Consortium, London, United Kingdom, ²Department of Global Public Health, Karolinska Institute, Stockholm, Sweden, ³Makerere University Lung Institute, College of Health Sciences, Makerere University, Kampala, Uganda, ⁴Every Breath Counts Coalition, New York, NY, United States

LB-8536**Influenza is an important cause of febrile acute respiratory illness among hospitalized children in western Uganda**

Emily J. Ciccone¹, Lydia Kabugho², Georget Kibaba², Elise R. King³, Ronnie Ndizeye², Emmanuel Baguma², Ross M. Boyce¹, Edgar M. Mulogo²
¹University of North Carolina School of Medicine, Chapel Hill, NC, United States, ²Mbarara Institute of Science and Technology, Mbarara, Uganda, ³University of North Carolina Gillings School of Global Public Health, Chapel Hill, NC, United States

LB-8537**Effectiveness of pneumococcal vaccines against mortality from clinical pneumonia in children under five years in Ghana after PCV13 introduction into the routine immunisation system**

NANA AKOSUA ANSAH¹, Patrick Odum Ansah¹, Samuel Tomilola Oladokun¹, Abraham Rexford Oduro², DANIEL WEIBEL³, MIRIAM STURKENBOOM³
¹NAVRONGO HEALTH RESEARCH CENTRE, NAVRONGO, Ghana, ²RESEARCH AND DEVELOPMENT DIVISION, GHS, ACCRA, Ghana, ³UTRECHT UNIVERSITY, UTRECHT, Netherlands

Poster Session C Presentations

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LB-8538

Prevalence, incidence, and outcome of tuberculosis in the Childhood Acute Illness and Nutrition (CHAIN) network cohort

Mohammad Jobayer Chisti¹, Ezekiel Mupere², Md. Farhad Kabir¹, Abu Sadat Mohammad Sayeem Bin Shahid¹, John Mukisa³, Sayera Banu¹, Christopher Lwanga⁴, Gazi Md Salahuddin Mamun¹, James A. Berkley⁵, Shamsun Nahar Shaima¹, Judd L. Walson⁶, Tahmeed Ahmed¹, Christina L. Lancioni⁷

¹International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh, ²Department of Paediatrics and Child Health, Makerere University College of Health Sciences, Kampala, Uganda, ³Department of Immunology and Molecular Biology, Makerere University College of Health Sciences, Kampala, Uganda, ⁴Uganda-Case Western Reserve University Research Collaboration, Kampala, Uganda, ⁵Centre for Tropical Medicine and Global Health, University of Oxford, Oxford, United Kingdom, ⁶Department of Global Health, University of Washington, Seattle, WA, United States, ⁷Department of Paediatrics, Oregon Health and Science University, Portland, OR, United States

LB-8539

The excess population tuberculosis burden attributable to mass incarceration in Central and South America

Yiran E. Liu¹, Yasmine Mabene¹, Sergio Camelo Gomez¹, Jeremy Goldhaber-Fiebert¹, Julio Croda², Jason Andrews¹

¹Stanford University, Stanford, CA, United States, ²Oswaldo Cruz Foundation and Federal University of Mato Grosso do Sul, Brazil, Campo Grande, Brazil

LB-8540

COVID Deaths among COVID-19 Patients in Nagaland, India, July 2020- March 2022

Takujungla Jamir¹, Nyanthung Kikon², John Kemp², Asenla Lemtur², Ebenezer Phesao², Impokchala Jamir², Urshela Punanamai², Tsukjemsangla Jamir², Kevi Belho², Akhrie Losou², Venutalu Nienu², Njile Kemp², Roselyn Lasuh³, Sheila Longkumer⁴, Longri Kichu⁵, Mehnaz Parvez⁶

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Nagaland, Kohima, India, ⁶St. Catherine University, Minneapolis, MN, United States

LB-8541

SARS-CoV-2 Transmission in Alberta, British Columbia, and Ontario, Canada, January 23, 2020, to January 27, 2022

Aubrey D. Kehoe¹, Arshpreet Kaur Mallhi¹, Charles R. Barton¹, Hunter M. Martin¹, Christopher M. Turner¹, Xinyi Hua¹, Kin On Kwok², Gerardo Chowell³, **Isaac Chun-Hai Fung**¹

¹Georgia Southern University, Statesboro, GA, United States, ²Chinese University of Hong Kong, Hong Kong, Hong Kong, ³Georgia State University, Atlanta, GA, United States

LB-8542

SARS-CoV-2 transmission potential in Delaware, March 2020-August 2022

Chigozie A. Ogwara, Charles R. Barton, Christopher M. Turner, Hunter M. Martin, **Isaac Chun-Hai Fung**
Georgia Southern University, Statesboro, GA, United States

LB-8543

Waning and boosting of SARS-CoV-2 spike antibodies over time in Mali

Oumar Attaher¹, John Woodford², Issaka Sagara¹, Mamady Kone¹, Mahamadoun Hamady Assadou¹, Abdoulaye Katile¹, Halimatou Diawara¹, Djibrilla Issiaka¹, Gaoussou Santara¹, Moussa Traore¹, Oumar M. Dicko¹, Sidi M. Niambale¹, Almahamoudou Mahamar¹, Bourama Kamate¹, Bayaya Haidara¹, Kourane Sissoko¹, Seydou Sankare¹, Sadio Diarra dite Koni¹, Amatique Zeguime¹, Boubacar Dembele¹, Emily Higbee², Rathy Mohan², Justin Doritchamou², Irfan Zaidi², Jennifer Kwan³, Alassane Dicko¹, Patrick Duffy²
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LB-8544

Knowledge, attitude, perception, and acceptance of COVID-19 vaccine among health care workers in Karachi, Pakistan

Sonia Qureshi¹, Naveed Ahmad¹, Wajid Hussain², Areeba Memon¹, Muhammad Usman Ansari¹, Farah Naz Qamar¹
¹Aga Khan University Hospital, Karachi, Pakistan, ²National Institute of Child Health, Karachi, Pakistan

LB-8545

Investigation of immunological tools to assess mucosal antibody responses to SARS-CoV-2 antigens

Rachel Bromell¹, Marija Zaric², Kent Kester³, Ayesha Sitlani³, **Arianna Marini**²
¹Imperial College London, London, United Kingdom, ²IAVI, London, United Kingdom, ³IAVI, New York, NY, United States

LB-8546

IgG Antibodies from humans vaccinated with a SARS-CoV-2 recombinant spike ferritin nanoparticle vaccine adjuvanted with Army Liposome Formulation containing monophosphoryl lipid A and QS-21 are protective in Syrian golden hamsters

Brittany L. Ober Shepherd¹, Paul T. Scott², Jack Hutter², Christine Lee², Melanie D. McCauley¹, Ivelise Guzman², Chris Bryant³, Sarah McGuire³, Jessie Kennedy³, Wei-Hung Chen¹, Agnes Hajduczi¹, Paul Thomas¹, Elizabeth Martinez¹, Anais Valencia-Ruiz¹, Mihret F. Amare¹, Gary R. Matyas², Mangala Rao², Ricardo Carrion⁴, Viraj Kulkarni⁴, Jean Patterson⁴, Monica L. Martin², Vincent Dussupt¹, Kathryn L. McGuckin-Wuertz², David Montefiori⁵, Leonid Serebryanny⁶, Adrian B. McDermott⁶, Sheila A. Peel¹, Natalie D. Collins², M. Gordon Joyce¹, Nelson L. Michael², Sandhya Vasani¹, Kayvon L. Modjarrad²
¹Henry M. Jackson Foundation, Bethesda, MD, United States, ²Walter Reed Army Institute for Research, Silver Spring, MD, United States, ³The EMMES Company, LLC, Rockville, MD, United States, ⁴Texas Biomedical Research Institute, San Antonio, TX, United States, ⁵Duke Human Vaccine Institute, Duke University School of Medicine, Durham, NC, United States, ⁶Vaccine Research Center, National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States

LB-8547

High seroprevalence of COVID-19 in Ghana

Anthony Afum-Adjei Awuah¹, John Amuasi¹, Christian Obirikorang¹, Evans A. Adu¹, Eric E. Boham¹, Oumou M. Ascofare², Nicole Struck², Jurgen May¹
¹Kumasi Centre for Collaborative Research in Tropical Medicine (KCCR), Kumasi, Ghana, ²Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany

LB-8548

Community in acceleration of Covid-19 vaccination in Sédhiou, southern Senegal: Strategy, cost analysis, lessons learned

Amadou Yéri Camara¹, Astou DIOUF², SAMBA NDIAYE¹, El Hadji Diop¹, MAMADOU IBRAHIMA NDIAYE³, MAMADOU SOUMARE NDIAYE¹, ALGAYE NGOM², CHEIKH GASSAMA²
¹REGION MEDICALE DE SEDHIOU, SEDHIOU, Senegal, ²USAID OWOD, SEDHIOU, Senegal, ³SOCIAL DEPARTMENT, SEDHIOU, Senegal

LB-8549

Improving COVID-19 prevention behavior and control practices in schools at the Golden Triangle border in Thailand

Worarat Khuenpetch, Chawarat Rotejanaprasert, Monnaphat Jongdeepaisal, **Richard J. Maude**
Mahidol Oxford Tropical Medicine Research Unit, Bangkok, Thailand

LB-8550

Favipiravir and/or Nitazoxanide as early therapy in COVID-19: The FANTAZE trial

Tania A. Smith¹, Beatriz Villegas², Yessica S. Pérez², Charmina Aguirre², Vladimir Paredes², María D. Navarro², Eduardo Mateos², Vilma C. Bekker², Alejandra S. Cruz², Miguel A. Cortes², Lucero Delgado³, Akosua Agyeman⁴, Silke Gastine⁴, Liliana Favari¹, Andrew Owen⁵, Hakim M. Dehbi⁴, Carlos Hoyo¹, Joseph S. Standing⁴, Gisela Aguirre³, **Jorge Escobedo**²
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Poster Session C Presentations

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LB-8551**Performance of new nucleoprotein-based ELISAs for serodiagnosis of acute Crimean-Congo hemorrhagic fever virus infections**

Maite Sabalza¹, Yasemin Cosgun², Ahmet Aydemir², Hakan Hedef², Ayten Öz Kamiloglu³, Oliver Klemens⁴, Erik Lattwein⁴, Konstanze Siba⁴, Julia M. Klemens⁴, Sandra Saschenbrecker⁴, Gulay Korukluoglu²

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LB-8552**Longitudinal evaluation of chikungunya disease in an age-stratified cohort in southern Thailand**

Aaron Farmer¹, Darunee Buddhari¹, Taweewun Hunsawong¹, Sarunyong Chusri², Pasuree Sangsupawanich³, Steven Stoddard⁴, Kathryn Anderson⁵, Stefan Fernandez¹

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LB-8553**Metformin treatment improves dengue NS3 specific CD8 T cell response to dengue in patients with overweight and obesity**

Hoa Thi My VO¹, Michaela Gregorova², Tam Thi Hoai Dong¹, Nguyet Minh Nguyen¹, Vi Thuy Tran¹, Duyen Thi Le Huynh¹, Marianna Santopaolo², Sophie Yacoub¹, Laura Rivino²

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LB-8554**Safety of the Tetravalent Dengue Vaccine, TAK-003, Among Participants with Prior Flavivirus Vaccine Exposure**

Ian Escudero¹, Shibadas Biswal¹, Martina Rauscher², Hang Pang¹, Suely Tuboi³, Eric Lloyd¹, Vianney Tricou², Nicolas Folschweiller², Sanjay S. Patel²

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LB-8555**6-month Safety and Immunogenicity follow-up of an Investigational Yellow fever Vaccine in Adults**

Emmanuel Feroldi¹, Kawsar Talaat², Chen Sabrina Tan³, Kristopher Paolino⁴, Srilatha Edupuganti⁵, Matthew H. Collins⁵, Sarah George⁶, Matthew Davis⁷, Brandon Essink⁸, Robert Jeanfreau⁹, James Peterson¹⁰, David Fried¹¹, Andrey Rojas¹², Joanna Korejwo¹, Tiffany Machabert¹, Marine Dufournet¹, Haritha Adhikarla¹³, Louis Devlin¹³, Ada Maria Minutello¹, Carina Frago¹⁴, Mark Mulligan¹⁵

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LB-8556**New biomarkers to measure Aedes exposure and their association with dengue disease status.**

Sophana Chea¹, Laura Willen², Sreynik Nhek¹, Kevin Tang², Aiyana Ponce², Claudio Meneses², Rekol Huy¹, Rithea Leang¹, Somnang Man¹, Chanthap Lon¹, Jessica E Manning², **Fabiano Oliveira**²

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Poster Session C Presentations

Saturday, October 21, 2023, 11 am - 12:45 pm
Grand Hall GHI – Ballroom Level (East Tower)

LB-8557**Serologic and antigenic response profiles following vaccination with the tetravalent dengue vaccine TAK-003 in a phase 2 randomized controlled study**

Jenny G. Low¹, Helen M. Oh², Yee-Sin Leo³, Shirin Kalimuddin¹, Limin Wijaya⁴, Junxiong Pang⁵, Tau Hong Lee⁶, Kelley J. Moss⁷, Manja Brose⁸, **Vianney Tricou**⁸
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LB-8558**Comparison of disease induced by large-particle aerosol exposure to Nipah virus Malaysia or Bangladesh on green monkey**

Yu Cong¹, Saurabh Dixit¹, Louis M. Huzella¹, Timothy K. Cooper², Erin Kollins¹, Russell Byrum¹, Jeffrey Solomon³, Marcelo Castro¹, David Drawbaugh¹, Kyra Hadley¹, Claudia Calcagno¹, Marisa St. Claire¹, Vincent Munster⁴, Michael R. Holbrook¹
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LB-8559**Long-term Persistence and Phenotype of T-cell Responses to Tetravalent Dengue Vaccine**

Sanja Mandaric¹, Heather Friberg², Charissa Borja-Tabora³, Xavier Sáez-Llorens⁴, Shibadas Biswal⁵, Nicholas Roubinis¹, Raphael Gottardo⁶, Nicolas Folschweiller¹, Jeffrey Currier², Mayuri Sharma⁵,

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LB-8560**A computationally designed rabies G antigen displayed on a VLP vaccine platform for the development of an improved rabies vaccine**

Doug Holtzman, Brooke Fiala, Clancey Wolf, Ali Ahmed, Sonia Weatherly, Elizabeth Kepl, Michelle Muldong, Andrew Feldhaus
Icosavax, Inc, Seattle, WA, United States

LB-8561**Burden, Risk Factors And Clinical Characteristics Associated With Dengue Among Older Filipino Children Who Received Or Did Not Receive A Single Dose of CYD-TDV And Subsequently Presented With An Acute Febrile Illness: An Analysis Of A 5-Year Community-Based Cohort Study**

Kristal An Agrupis¹, Michelle Ylade¹, Maria Vinna Crisostomo¹, Jedas Veronica Daag¹, Anna Maureen Cuachin¹, Cameron Adams², Laura White², Aravinda de Silva², Anna Lena Lopez¹, Jacqueline Deen¹
¹University of the Philippines - National Institutes of Health, Manila, Philippines, ²University of North Carolina, Chapel Hill, NC, United States

LB-8562**NITD-688, a dengue NS4B inhibitor with pan serotypic activity**

Ruobing Li¹, Robert Beecham², Johanne Blais³, Christopher Breen⁴, Shuqi Chen⁵, Luciana De Souza Fernandes⁶, Shivam Gupta⁷, Nadine Jarrousse³, Anna Liljebblad⁸, Stephanie Moquin³, Thomas Nussbaumer⁹, Chandra Saravanan¹⁰, Pei-Yong Shi⁶, Colin Skepper³, Suresh B Lakshminarayana³, Yang Wang⁶, Xuping Xie⁶, Feng Gu³
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Poster Session C Presentations

Saturday, October 21, 2023, 11 am - 12:45 pm
Grand Hall GHI – Ballroom Level (East Tower)

LB-8563

Comparison of the XgBoost model and the Logistic model for the prediction of hospitalization due to Dengue in Cali, Colombia.

Jennifer Murillo-Alvarado¹, Jonathan Kirsch², Lyda Osorio-Amaya¹
¹Universidad del Valle, Cali, Colombia, ²University of Minnesota, Minneapolis, MN, United States

LB-8564

Healthcare-seeking delays among dengue patients recruited in a sentinel surveillance system in Puerto Rico after the COVID-19 pandemic

Jett Choquette¹, Dania M. Rodriguez², Chelsea Major², Carlos A. Ramirez De Arellano³, Jose Robles-Cedeno², Yashira Maldonado², Janice Perez-Padilla², Veronica Frasier-Quintana², Carla Espinet², Vanessa Rivera-Amill³, Laura E. Adams², Liliana Sánchez-González²
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LB-8565

Immunogenicity and Safety Following Co-administration of a Live, Attenuated Tetravalent Dengue Vaccine and a Recombinant 9-Valent Human Papillomavirus Vaccine in Healthy

Participants Aged ≥9 to <15 Years in a Dengue Endemic Country

Tarek El Hindi¹, Suvaporn Anugulruengkitt², Keswadee Lapphra³, Kriengsak Limkittikul³, Auchara Tangsathapornpong⁴, Claudia Galindo Tsoukas⁵, Michael Hellwig¹, Nicholas Roubinis¹, Ron Philip Schuring¹, Shibadas Biswal⁵, Nicolas Folschweiller¹
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LB-8566

First Safety and Immunogenicity Data from a First-in-Human, Placebo Controlled, Dose Escalation and Dose Expansion Trial of a Recombinant Vesicular Stomatitis Virus based Lassa Fever Vaccine in Healthy Adults.

Elissa Malkin

The George Washington University School of Medicine, Washington DC, DC, United States

LB-8567

Lassa Lookback: Expanding opportunities for the detection of Lassa virus in returning travellers

Helen Callaby¹, Ashley Otter², Jennifer Warner³, Sebastian Millward², Silvia D'Arcangelo², Elizabeth Truelove³, Jenna Furneaux³, Jane Osborne³, Tim Brooks³, N Claire Gordon³, Tommy Rampling³, Catherine F. Houlihan³
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