2023 Annual Meeting | October 18-22

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 Doench1, 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

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 Tzpori2, William H. Witola3, Thaddeus S. Stappenbeck1, 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

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 Raytselis, 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 Baidaliuk2, Umberto Palatini2, Louis Lambrechts1, Sarah H. Merkling1
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
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 Spaccapelo³**

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 Estecha 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 Bürger*¹, Sandra Hadl¹, Martina Schneider¹, Michaela Schaden¹, Jutta Seebacher¹, Romana Hochreiter¹, Annegret Bitzer¹, Karin Kosulin¹, Robert Mader¹, Oliver Zoehsl¹, Andrea Pfieffer¹, Ana Paula Loch², Eolo Morandi Jr.², Katrin Dubischar¹, Nina Wressnigg¹, Susanne Eder-Lingelbach¹, Juan Carlos Jaramillo¹

¹*Valneva Austria GmbH, Vienna, Austria*, ²*Instituto 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 Idro*¹, Rodney Ogwang¹, Ronald Anguzu¹, Pamela Akun¹, Albert Ningwa¹, Catherine Abbo¹, Maria Pia Giannoccaro², Joseph Kubofcik³, Amos Deogratias Mwaka³, Bernard Opar³, Mark Taylor³, Thomas Nutman³, Alison Elliott⁴, Angela Vincent⁴, Charles Newton⁵, Kevin Marsh⁷

¹*Makerere University College of Health Sciences, Kampala, Uganda*, ²*University of Bologna, Bologna, Italy*, ³*National Institutes of Health, WASHINGTON, DC, United States*, ⁴*Ministry of Health, Kampala, Uganda*, ⁵*Liverpool School of Tropical Medicine, Liverpool, United Kingdom*, ⁶*London School of Hygiene and Tropical Medicine, London, United Kingdom*, ⁷*University 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. Das*¹, Rehana A. Salam², Mushtaq Mirani¹, Muhammad Khan¹, Imran Ahmed¹, Arjumand Rizvi¹, Zahra Padhani³, Zulfqar Bhutta¹

¹*Aga Khan University, Karachi, Pakistan*, ²*University of Sydney, Sydney, Australia*, ³*University of Adelaide, Adelaide, Australia*
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 Narrey¹, 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 Martín Ramirez⁴, Lourdes Barón Argos⁴, David Bermejo-Peláez², Carla Caballero⁴, Daniel Cuadrado², Oscar Darias², Jaime García-Villena², Alexander Bakardjiev⁵, Maria Postigo⁵, Ethan Recalde-Jaramillo¹, María Flores-Chavez², Andrés Santos⁶, María Jesús Ledesma-Carbayo⁶, José M. Rubio⁷, Miguel Luengo-Oroz⁵

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 Keita², Boubacar Guindo², Famolo Coulibaly¹, Mamadou Dembele¹, Dramane Traoré², Fama Kondo², Mama Niélé Doumbia³, Lamine Diarra³, Quassa Sanogo³, Alex K. Brown³, 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-USSTTB, Bamako, Mali*

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**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 Ouedraogo1, Issaka Sagara2, Matthew Cairns4, Rakiswende Serge Yerbang3, Djibrilla Issiaka2, Charles Zoungrana1, Youssoufa Sidibé2, Amadou Tapily2, Romanic Oscar Zerbo1, Koulay Sanogo2, Mahamadou Kaya2, Hama Yalcouye2, Oumar M Dicko2, Kalifa Diarra2, Ismaila Thera2, Alassane Haro1, Seydou Traoré1, Almahamadou Mahamar2, Halimatou Diawara2, Amagana Dolo2, Irene Kuepfer4, Paul Snell3, Jane Grant3, Jayne Webster3, Paul Milligan3, Cynthia Lee3, Christian Ockenhouse3, Oponua Ofori-Aninyam5, Halidou Tinto1, Abdoulaye Djimde2, Daniel Chandramohan1, Brian Greenwood1

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

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**12:25 p.m.**

**LB-8377**

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

Laura M. Hagenah1, Satish K. Dhangra1, Jennifer L. Small-Saunders1, Terrick Qahash2, Kyra A. Schindler1, Gabriel W. Rangel2, Eva Gil-Iturbe1, Jonathan Kim1, Emilya Akhundova1, Tomas Yeo1, John Okombo1, Filippo Mancia1, Matthias Quick1, Manuel Linhás2, David A. Fidock1

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

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**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/AS01e Malaria Vaccine**

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

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

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**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 Llewellyn6, David Fidock2, Bridget E. Barber3, Paul Griffin7, Jason Lickliter8, Benoit Bestgen1, Stephan A. Chalon7

1*Medicines for Malaria Venture, Geneva, Switzerland*, 2*Mangareva SRL, Kraainem, Belgium*, 3*ICON Clinical Research, Langen, Germany*, 4*Pharmakinetic Ltd, Nottingham, United Kingdom*, 5*QIMR, Brisbane, Australia*, 6*Columbia University, New York, NY, United States*, 7*The University of Queensland, Brisbane, Australia*, 8*Nucleus Network, Melbourne, Australia*
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 Haidara3, Judith Epstein2, Abdoulaye Katile1, Ousmane Poudiougo1, Bakary Traore1, Amatigue Zeguime1, Bailla Diarra1, Karim Bengaly1, M'Bouye Doucoure1, Kalifa Diarra1, Amagana Dolo1, Alemush Imeru2, Kelly Kausch2, David Narum2, Bruce Swhart2, Sara Healy2, Jennifer Hume2, Yai Doritchamou3, 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, Ibrahim Issa2, Abou Yahaya1, Sabo Haoua Seini1, Ronan Jambou3, Awa B Deme3, Tolla Ndiaye3, Djiby Sow3, Amy Gaye3, Bassirou Ngom3, Irene Cavros3, Eric Coulibaly2, Zilahatou Bahario-Tonon3, Jehan Ahmed3, Elisha Sanoussi1, Daniel Koko7, Daouda Ndiaye1, 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 Ssenkusu2, Dennis Kalibbala1, Lufina Tsirizani1, Pamela Akun1, Joseph Rujumba1, Winnie Nambatya1, Carol Kamya2, Nomusa Phiri4, Roeland Wasmann5, Paolo Dentir, 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

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<thead>
<tr>
<th>Time</th>
<th>LB-8568</th>
<th>LB-8569</th>
<th>LB-8570</th>
<th>LB-8571</th>
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</table>
| 11:15 a.m. | **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 | **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. Quinories⁵, Mary Anne Joy Reyes⁵, Wei-Kung Wang¹  
¹John A. Burns School of Medicine, University of Hawaii at Manoa, Honolulu, HI, United States, ²National Reference Laboratory for Dengue and Other Arboviruses, Virology Department, Research Institute for Tropical Medicine, Muntinlupa, Philippines, ³Immunology Department, Research Institute for Tropical Medicine, Muntinlupa City, Philippines, ⁴Tropical Medicine Center, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan, ⁵Virology Department, Research Institute for Tropical Medicine, Muntinlupa City, Philippines | **Rationale for multivalent alphavirus vaccine delivery**  
Whitney C. Weber¹, Takeshi F. Andoh¹, Michael Denton¹, Igor Dmitriev³, Craig N. Kreklywich¹, Magdalene M. Streblow¹, John M. Powers¹, Zachary Streblow¹, Samuel Medica¹, David Curel², Daniel N. Streblow¹  
¹Oregon Health and Science University, Beaverton, OR, United States, ²Washington University, St. Louis, MO, United States | **SARS-CoV-2 spike protein induces endothelial cell dysfunction and thromboinflammation in humanin 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 |
| 11:25 a.m. | **Development of a controlled Zika human infection model (CHIM)**  
Anna P. Durbin¹, Lauren McDonald¹, Rachel Hampton¹, Beualh Sabundayo¹, Megan McKnight¹, Lina Moscarella¹, Xi Fang¹, Jeffrey Mayfield¹, Huili He¹, Cendy Alacantara¹, Stephen S. Whitehead¹  
¹Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, ²National Institutes of Health, Bethesda, MD, United States |  |  |  |
| 11:35 a.m. |  |  |  |  |
| 11:45 a.m. |  |  |  |  |
| 11:55 a.m. |  |  |  |  |
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 Ouma**¹, Victor Akelo², Broline Asuma¹, Sammy Khagayi¹, Joyce Were¹, Dickson Gethi², Kephas Otieno¹, Maryanne Nyanjom¹, Richard Omore¹, Dickens Onyango², Beth A. Tippett Barr⁴

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

12:15 p.m.

LB-8574

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

**Wasik Rahman Aquib**¹, Utpal Kumar Mondal¹, Md Badrul Islam¹, Arifa Nazneen¹, Dewan Imtiaz Rahman¹, Shadman Sakib Choudhury¹, Fateha Akther Ema¹, Tonmoy Sarkar¹, S. M. Zafar 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 Chowdhury², Sharmin Sultan², John D. Klena⁴, Mohammed Ziaur Rahman¹, Mustafizur Rahman¹, Stephen P. Luby², Joel M. Montgomery³, Tahmina Shirin³, Sayera Banu¹, Syed Moinuddin Satter¹

¹ICDDR,B, Dhaka, Bangladesh, ²Coalition for Epidemic Preparedness Innovations (CEPI), Oslo, Norway, ³Institute of Epidemiology, Diseases Control and Research (IEDCR), Dhaka, Bangladesh, ⁴Viral Special Pathogens Branch, Division of High Consequence Pathogens and Pathology, Centers for Disease Control and Prevention (CDC), Atlanta, GA, United States, ⁵Stanford 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

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<td>Basic Sciences - Cestodes</td>
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<td>Basic Sciences - Basic Sciences - Helminths - Nematodes</td>
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<td>Basic Sciences - HIV and Tropical Co-Infections</td>
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<td>Basic Sciences - Malaria</td>
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## Late-Breakers in Clinical and Applied Sciences

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<td>Clinical and Applied Sciences - Helminths - Nematodes</td>
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<td>Clinical and Applied Sciences - Integrated Control Measures for Neglected Tropical Diseases (NTDs)</td>
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<td>Clinical and Applied Sciences - Malaria</td>
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<td>Clinical and Applied Sciences - One Health: The Interconnection between People, Animals, Plants and Their Shared Environment</td>
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<td>Clinical and Applied Sciences - Viruses (all other viruses)</td>
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### LB-8000

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

**Abib Berhanu**¹, Habte Tekie², Esayas Askilu³, Araya Gebresilassie¹, Asrat Hailu¹

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 Bentes**¹, 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 Muharromah**¹, Maria Angenica F Regilme¹, Thaddeus M Carvajal¹, Kozo Watanabe¹

¹ Ehime 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**

**Melquiades Moreno**¹, 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)

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**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*, Huijuan 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 I, Alexander T. Ciota3, Matthew T. Aliota1

1University of Minnesota, St Paul, MN, United States, 2UN Albany School of Public Health, Albany, NY, United States, 3Wadsworth Center, Slingerlands, NY, United States

**LB-8006**

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

Varvara Lukyanchikova1, Ilya Brusentsov2, Igor V. Sharakhov1

1Virginia Tech, Blacksburg, VA, United States, 2Institute 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 papatasii and Lutzomyia longipalpis**

Michelle S. Huang1, Daniel J. Bruzzese2, Douglas A. Shoue1, Jeffrey L. Feder1, Stephen Richards2, Mary Ann McDowell2

1University of Notre Dame, Notre Dame, IN, United States, 2Yale School of Medicine, New Haven, CT, United States, 3Baylor 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 Brill, 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. Ogoma3, Narcisse Basosila3, Eric Mukomena3, Emile Zola Manzambi4, Francis Watsenga4, Yibayiri O. Sanogo5, Thomas Walker6, Louisa Messenger7

1London School of Hygiene and Tropical Medicine, London, United Kingdom, 2USAID President’s Malaria Initiative, VectorLink Project, Abt Associates, Rockville, MD, United States, 3National Malaria Control Program, Kinshasa, Democratic Republic of the Congo, 4Institut National de Recherche Biomédicale, Kinshasa, Democratic Republic of the Congo, 5U.S. President’s Malaria Initiative, US Centers for Disease Control and Prevention, Kinshasa, Democratic Republic of the Congo, 6University of Warwick, Coventry, United Kingdom, 7University of Nevada, Las Vegas, Las Vegas, NV, United States

**LB-8011**

**Entomological Adaptive Sampling Framework**

Christian Atta-Obeng1, Otueba Akrofi1, Samuel Oppong1, Ernest Boampong2, Keziah Maim1, Steven Gowelo2, Mercy Opiyo2, Allison Tatarsky1, Élodie Vajda2, Edward Thomsen2, Luigi Sedda3, Neil Lobo4

1National Malaria Elimination Program-Ghana, Accra, Ghana, 2Malaria Elimination Initiative (MEI), University of California, San Francisco, USA, San Francisco, CA, United States, 3Lancaster University, Lancaster, United Kingdom, 4Eck Institute for Global Health, University Of Notre Dame, Notre Dame, IN, USA, Indiana, IN, United States
Poster Session A Presentations
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LB-8012

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

Mame Thierno Bakhoum1, 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, Afroz Akter, Imam Tauheed, Faisal Ahmmed, Md. Golam Firoj, Firdausi Qadri
icddr,b, Dhaka, Bangladesh

LB-8015

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

Omar Melo1, Oksana Huerta2, Karla Villalobos1, Nancy Chile1, Manuela Verastegui1, Robert Gilman2
1Infectious Diseases Laboratory Research-LID, Faculty of Science and Philosophy, Alberto Cazoria 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 anthelminthic 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 Hagemann7, Wyckliff P. Omondi8, Paul M. Gichuki1, Kate McCracken7, 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**  
**Grand Hall GHI - Ballroom Level (East Tower)**

**LB-8019**

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


1. Faculty of Medicine Universitas Indonesia, Jakarta, Indonesia  
2. Padjadjaran University, Clinical Infectious Diseases Research Centre, Bandung, Indonesia  
3. Dr. Cipto Mangunkusumo National Central Public Hospital, Jakarta, Indonesia  
5. INA-RESPOND, Jakarta, Indonesia  
6. Persahaban Central General Hospital, Jakarta, Indonesia  
7. Dr. Moch Ansari Saleh Hospital, Banjarmasin, Indonesia  
8. St. Carolus Hospital, Jakarta, Indonesia  
9. Abepura Regional General Hospital, Jayapura, Indonesia  
10. Dr. Kariadi General Hospital, Semarang, Indonesia  
11. Abdoel Wahab Sjahranie Hospital, Samarinda, Indonesia  
12. Dr. Soetomo General Academic Teaching Hospital, Surabaya, Indonesia  
13. Prof. Dr. Sulianti Saroso Infectious Disease Hospital, Jakarta, Indonesia  
14. Dr. Zainoel Abidin Hospital, Banda Aceh, Indonesia  
15. Dr. Wahidin Sudirohusodo Hospital, Makassar, Indonesia  
16. Dr. H. Adam Malik Hospital, Medan, Indonesia  
17. Dr. Moch. Ansari Saleh Hospital, Banjarmasin, Indonesia  
18. Dr. Sardjito Central General Hospital, Sleman, Indonesia  
19. Abdoel Wahab Sjahranie Hospital, Samarinda, Indonesia  
20. Budi Kemilaan Hospital, Batam, Indonesia  
21. Dr. T.C. Hillsers Public Hospital, Uneng, Indonesia  
22. Dr. Soedardo Hospital, Pontianak, Indonesia  
23. Dr. Wahidin Sudirohusodo Hospital, Makassar, Indonesia  
24. Dr. H. Adam Malik Hospital, Medan, Indonesia  
25. Dr. I.G.N.G. Ngeroh General Hospital / Udayana University, Denpasar, Indonesia  
26. Dr. Soedardo Hospital, Pontianak, Indonesia  
27. National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States  
28. Sanglah 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)


1. Health Policy Agency, Ministry of Health of Indonesia, Central Jakarta, Indonesia  
2. Indonesia Research Partnership on Infectious Diseases (INA-RESPOND), Central Jakarta, Indonesia  
3. The Kirby Institute, Kensington, Australia  
4. Padjadjaran University, Clinical Infectious Diseases Research Centre, Bandung, Indonesia  
5. Faculty of Medicine Universitas Indonesia, Central Jakarta, Indonesia  
6. Hasan Sadikin General Hospital, Bandung, Indonesia  
7. Prof. Dr. Sulianti Saroso Infectious Disease Hospital, North Jakarta, Indonesia  
8. Dr. Soetomo General Academic Teaching Hospital, Surabaya, Indonesia  
9. Tangerang General Hospital, Tangerang, Indonesia  
10. Persahabatan Central General Hospital, East Jakarta, Indonesia  
11. Dr. Kariadi General Hospital, Semarang, Indonesia  
12. Dr. Zainoel Abidin Hospital, Banda Aceh, Indonesia  
13. Dr. Cipto Mangunkusumo National Central Public Hospital, Central Jakarta, Indonesia  
14. Dr. T.C. Hillsers Public Hospital, Uneng, Indonesia  
15. Dr. Soedardo Hospital, Pontianak, Indonesia  
16. Dr. Wahidin Sudirohusodo Hospital, Makassar, Indonesia  
17. Dr. H. Adam Malik Hospital, Medan, Indonesia  
18. Dr. Moch. Ansari Saleh Hospital, Banjarmasin, Indonesia  
19. Dr. Sardjito Central General Hospital, Sleman, Indonesia  
20. Abepura Regional General Hospital, Jayapura, Indonesia  
21. Dr. Soedardo Hospital, Pontianak, Indonesia  
22. Dr. Soedardo Hospital, Pontianak, Indonesia  
23. National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States  
24. Udayana University, Denpasar, Indonesia

**LB-8021**

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

Amel O.A Ahmed, Standwell C. Nkohma, Sujatha Rashid, Rebecca Bradford, Robert E. Molestina

ATCC Federal Solutions, American Type Culture Collection, Manassas, VA, United States
**LB-8022**

**Implementation of aP. falciparum NF54´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, Godfrey Mlambo2, John Okombo1, Jonathan Kim1, Kate J. Fairhurst3, Eva Gil-Turbe1, Talia Bloxham1, Jessica L. Bridgford1, Heekuk Park1, Felix D. Rozenberg1, Filippo Mancia1, Matthias Quick1, Marcus CS Lee3, Jennifer L. Small-Saunders4, 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 Kiwara2, Rose Nshama1, Yahya Derua, Pendael Machafuko2, Victor Mwingira2, Victoria Guth2, Brian Masanja2, Edward Sambu2, Bernard Batengana2, Johnson Matowo3, Nicodem Govella3, Prosper Chaki3, Samwel Lazzaro1, Naomi Serbantez1, Jovin Kitau6, Stephen Magesa7, William Kisinya3

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 Equiepotent Protection Against Plasmodium falciparum (PF) Malaria Infection in Mice**

Yevel 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 Plasmodium falciparum malaria**

Thomas Jacobs1, Lea Kaminski1, John Amuasi2, Oumu Maiga-Ascofare1, 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**

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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, Alayasies 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**


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 Niare, Varun Goel, David Dosoo, Rebecca Defeo, Griffin J. Bell, Benedicta Mensah, Bright Adu, Paulin Essone, Musah Osei, Kenneth Wiru, Tisungane Mvalo, Selidji Todagbe Agnandji, Kwaku Poku Asante, Michael Emch, Jonathan J. Juliano, Anita Ghansah, Jeffrey A. Bailey

1 Brown University, Providence, RI, United States, 2 Carolina Population Center, University of North Carolina, Chapel Hill, NC, United States, 3 Kintampo Health Research Centre, Kintampo, Ghana, 4 Department of Epidemiology, Gillings School of Global Public Health, University of North Carolina, Chapel Hill, NC, United States, 5 Noguchi Memorial Institute for Medical Research, University of Ghana, Legon, Accra, Ghana, 6 Centre de Recherches Médicales de Lambaréné, Lambaréné, Gabon, 7 University 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

1 CIGASS, Dakar, Senegal, 2 The Francis Crick Institute, London, United Kingdom, 3 Medical 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

1 Inter American University of Puerto Rico, Bayamon, PR, United States, 2 University 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 Krymskaya1, Aissata Ongoliba1, Safiatou Doumbo2, Kassoum Kayenta1, Boubacar Traore1, Stephen L. Hoffman1, Robert A. Seder2, Peter D. Crompton1

1 Malaria Infection Biology and Immunity Section, Laboratory of Immunogenetics, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States, 2 Laboratory of Immunogenetics, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States, 3 Mali International Center of Excellence in Research, University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, 4 Sanaria, Rockville, MD, United States, 5 Vaccine 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
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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 Yared1, Madison Follis1, Grace Lloyd1, Avery Kaye1, Sarah Zohdy1, Tamir E. Carter1
1Baylor University, Waco, TX, United States, 2Adama Science and Technology University, Adama, Ethiopia, 3Jigjiga University, Jigjiga, 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 Institutes 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 Owusuwa Whittle1, Stephen Kwesi Oppong1, Eric Kyei-Baako4, Abigail Naa Adjorkor Pobee1, George Obeng Adjei5, Lars Hviid6, 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, 3Centre for Medical Parasitology at Department of Immunology and Microbiology, Faculty of Health and Medical Sciences, University of 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 Tshikhamba2, Curtis Mukumba3, Johanna Karemere4, Eric Mukomena5, Hyacinthe Kaseya5, Packy Mbayo5, Soukeynatou Traore6, Santiago Ferro7, 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, Kenneth Mondua2, Mark Uyungwoth3, Sandra Djalle Incardona1, Mariam Bahova1, Beulah Jayakumar4, Joel Miti Tutu4, Edward Mugwanya5, Irene Ochola4, Benjamin Binagwa5
1MCD Global Health, Silver Spring, MD, United States, 2Moyo district local government, Moyo, Uganda, 3Zombo district local government, Uganda, Zombo, 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 Djalie Incarconda¹, Constance Agwang¹, Chris Mugenyi¹, Robert Abiriga², Gilbert Anguyo³, Paul Kagwa³, Jimmy Opigo³, Edward Mugwanya², Irene Ochola⁴, Marimah Buhowa¹, Benjamin Binagwa²

¹MCD Global Health, Silver Spring, MD, United States, ²John Snow Inc, Boston, MA, United States, ³Arua Regional Blood Bank, Arua, Uganda, ⁴Ministry 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. Long³, Kim Williamson³, Anna Caroline Aguiar³, Daniel Y. Bargieri³

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

**LB-8046**

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

Erick Tshikamba¹, Radina Soebiyanto², Eric Mukomena³, Hyacinthe Kaseya³, Yves Ilunga⁴, Bruno Kapinga⁵, Soukeynatou Traore¹, Michael Humes⁶

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 PfCDPK5 as a novel anti-malarial vaccine candidate

Ahmad R. Shakri¹, Brett Sherman², Patrick E. Duffy³, Jonathan D. Kurtis³, Dipak K. Raj²

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 Otoho², 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, Liseth Saénz¹, Solís Mairim¹, Lopez-Verges Sandra²

¹Gorgas Memorial Institute for Health Studies, 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 Rosinski³, Lauren Raasch³, Patrick Barros Tiburcio¹, Christina Newman¹, David O’Connor¹, Matthew Aliota¹, Thomas C. Friedrich²

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**

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

**Grand Hall GHI – Ballroom Level (East Tower)**

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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

¹University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, ²Institute of Global Health, Northwestern University, Chicago, IL, United States

**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 McCabe¹, H. Juliette T. Unwin¹, Patrick Doohan¹, Rebecca K. Nash¹, Joseph T. Hicks¹, Kelly Charniga¹, Cyril Geismar¹, Ben Lambert³, Dariya Nikitin¹, Janetta Skarp¹, Jack Wardle¹, Basha Kont¹, Sangeeta Bhatia¹, Natuko Imai¹, Sabine L. van Esland¹, Anne Cori¹, Christian Morgenstern¹

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**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 Scharton³, Alice F. Versiani², Natalia I. Oliveira da Silva¹, Livia Sacchetto², Erik B. Fokam¹, Shannan L. Rossi², Scott C. Weaver², Rafael E. Marques³, Mauricio L. Nogueira³, Nikos Vasilakis²

¹Houston Methodist Research Institute, Houston, TX, United States, ²University of Texas Medical Branch, Galveston, TX, United States, ³São José do Rio Preto Medical School, São José do Rio Preto, Brazil, ⁴University of Buea, Buea, Cameroon, ⁵Brazilian Biosciences National Laboratory, Campinas, Brazil

**LB-8058**

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

Boubacar Dembele¹, John Woodford², Oumar Attaher³, Mahamadoun Hamady Assadou³, Mamady Kone³, Abdoulaye Katile³, Yai Doritchamou³, Amatigue Zeguime³, Kalifa Diarra³, Irfan Zaidi³, Issaka Sagara³, Alassane Dicko³, 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 Gaudreault², Igor Morozov², Chester McDowell², Dashzeveg Bold³, Taeyong Kwon³, Konner Cool³, Velimirugan Balaraman³, Daniel Madden³, Bianca Artiaga³, Jayme Souza-Neto³, William C. Wilson³, Nikolaus Osterrieder³, Lisa Hensley², Juergen A. Richt¹

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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 Dzianach, Michele Nguyen, Paul ECW Castle, Susan F. Rumisha, Jennifer A. Rozier, Joseph R. Harris, Harry S. Gibson, Katherine A. Twohig, Camilo A. Vargas-Ruiz, Donal Bisanzi, Ewan Cameron, Daniel J. Weiss, Samir Bhatt, Peter W. Gething, Katherine E. Battle  
1Teledthon Kids Institute, Nedlands, Australia, 2Nanyang Technological University, Singapore, 3Ordinance Survey, Southampton, United Kingdom, 4Public Health England, London, United Kingdom, 5RTI International, Washington, DC, United States, 6Curtin University, Bentley, Australia, 7Imperial College, London, United Kingdom, 8Bill & Melinda Gates Foundation, Seattle, WA, United States

**LB-8063**

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

Christin Goodman, Lara Perinet, Amy Lambert, Elizabeth Hunsparger, Peninah Munyua, Bonventure Wachekone, Stephen Waweru, Cecilia Nelson, Kelly Fitzpatrick, Brandy Russell, Eric Moseel  
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 Zhang, Xinchen Li, Qiyu Zhang, Jingshu Liu, Lefei Han, Zohar Lederaner, Janna M. Schurer, Patricia Poeta, Md. Tanvir Rahman, Shizhu Li, Kokouvi Kassagne, Kun Yin, Yongzhang Zhu, Shang Xia, Lu He, Qin Qin Hu, Leshan Xiu, Jingbo Xue, Hanqing Zhao, Xihan Wang, Logan Wu, Xiaokui Guo, Zhaojun Wang, Bernhard Schwartlander, Minghui Ren, Xiaonong Zhou  
1School of Global Health, Chinese Center for Tropical Diseases Research, Shanghai Jiao Tong University School of Medicine, Shanghai, China, 2Medical Ethics and Humanities Unit, Hong Kong University, Hong Kong, China, 3Center for One Health, University of Global Health Equity, Butaro, Rwanda, 4Microbiology and Antibiotic Resistance Team, Department of Veterinary Sciences, University of Trás-os-Montes and Alto Douro, Vila Real, Portugal, 5Department of Microbiology and Hygiene, Bangladesh Agricultural University, Mymensingh, Bangladesh, 6National Institute of Parasitic Diseases at Chinese Center for Disease Control and Prevention (Chinese Center for Tropical Diseases Research), NHC Key Laboratory of Parasite and Vector Biology, WHO Collaborating Centre for Tropical Diseases, Shanghai, China, 7German Ministry of Foreign Affairs, Berlin, Germany, 8School of Public Health, Peking University, Beijing, China

**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 Mwita, Isaac Njau, Wemaeli Mweteni, Rose Marwa, Ramadhan Ally, Ua Kassim, Claire Karlsson  
1WI-HER, LLC, Vienna, VA, United States, 2Tanzania Ministry of Health, NTD Control Program, Dodoma, United Republic of Tanzania, 3RTI International, Dar es Salaam, United Republic of Tanzania
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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-Kyeli, Augustin E. Fombah1, Clara Menendez1, Mohamed Samai2, Cristina Enguita-Fernandez1
1ISGlobal - Barcelona Institute for Global Health, Barcelona, Spain, 2College of Medicine and Allied Health Sciences (COMAHS), University of Sierra Leone, Freetown, Sierra Leone

LB-8068

Seasonal Features of leptospirosis clinical course in Liviv Oblast, Ukraine

Olena Zubach, Alexander Zinchuk
Danylo Halytsky Liviv 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 Li3, Christopher Whalen2, Darrell Hurt2, Alia Benkahla2, Doulaye Dembele2, Abdoulaye Dijimde1, Mahamadou Diakite1, Mike Tartakovsky1, Seydou O. Doumbia1
1University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, 2Tulane University, New Orleans, LA, United States, 3National Institutes of Health, Bethesda, MD, United States, 4Institut Pasteur de Tunis, Tunis, Tunisia, 5University of Strasbourg, Strasbourg, France

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, 3 Liaquat University of Medical & Health Sciences, jamshoro, Pakistan

LB-8071


Priyanka Borhade1, Niniya Jayapradas2, Christopher LeBoa3, Kashmira Date4, Shrikrishna Joshi5, Rahul Shimpil, 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, Yuli Anggiyarni, 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 Schnieiter2, Jonas Seebacher3, Sophie Charlotte Schnieiter2
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 Marti

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 Adegakwa1, Bertrand Leli1, Ayola Akim Adegakwa1, 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**

Imtiaz 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 psycho-social 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 Univeristy 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 Wickiser1, Armand L. Balboni1

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 Tiao Ying3, Lin Huang3, Christine Budke4, Dominik Stelzlé5, 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 Manciulli², Laura Lapini³, Raffaella Lissandrini¹, Ambra Vola¹, Gianluca D’Alessandro¹, Armanda Leka¹, Marcello Maestri¹, Enrico Brunetti¹*

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 Lissandrini¹, Ambra Vola¹, Gianluca D’Alessandro¹, Tommaso Manciulli², Sofia Frattola³, Enrico Brunetti¹, Pietro Rinaldi²*

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 Animut², Berhanu Erko²*

¹University of Nebraska Medical Center, Omaha, NE, United States, ²University of Ghent, 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, Arnon Auvaker Zebaze Tiofack, Estelle Mezajou Mewamba, Loic Edmond Tekeu Mengoue, Hilaire Macaire Womeni, Gustave Simo*

University of Dschang, Dschang, Cameroon

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**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 Sinkete², Mary Maganga², Florence Wakesho³, Wycliff Omondi³, Isabelle L Lange³, Lisa Sophie Reigi³, Andrea S Winkler³, Sammy M Njenga¹, John M Gacho³*

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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 Shibis², Kathy Kamath³, Jack Reifert³, Sukwan Handali³, W. Evan Secor³*

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**LB-8089**

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

*Jayla Norman¹, Elianna Paljug, Sarah Sullivan, John Horton, Charles D. Mackenzie*

TFGH, Decatur, GA, United States

**LB-8090**

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

*Frauke Assmus¹, Ayorinde Adehin¹, Richard M. Hoglund¹, Gloria Nyaulingo¹, Hussein Mbarak², Said Jongo², Eveline Ackerman³, Jennifer Keiser³, Fabiana B. Da Silva Rocha³, Sabine Specht³, Ivan Scandale³, Joel Tarning³*

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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. Mbombo³, Robert Colebunders¹

¹Global Health Institute, University of Antwerp, Antwerp, 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 Kassankogno, Anders Seim², Rachel Bronzan³

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**LB-8093**

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

María Osorio¹, Monica R. Pachar², Kendra Tomlison³, Jose A. Hernandez³, 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 Reiql², Isabelle L. Lange², Prudence Beinamaryo², Andrea Sylvia Winkler², FRED NUWAHA¹

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 Walla¹, Atul Mittal², Arnab Pal³

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 Chernet³, Adugna Tamiru³, Ufaysa Anjulo¹, Birhan Mengistu¹, Benjamin Collyer¹, Kathryn Forbes¹, Roy Anderson¹

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**LB-8097**

*Developing Engaging Community Education for Vectorborne Diseases*

Kacey C. Ernst¹, Josh Arnbrister¹, Alexandria Renaud¹, Mary Hayden¹

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 Dahai², Alejandro Bonifaz³, Matthew Brack², Brittany J. Maguire², Nathalie Strub-Wourgaft³, Andrés Tirado-Sánchez³, Ed Zijlstra⁵, Philippe Guerin²

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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**

Gessessew 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. Mkocha², Beatriz Munoz², Sheila K. West¹
¹The Johns Hopkins Wilmer Eye Institute, Baltimore, MD, United States, ²Trachoma 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 Stuke³
¹FHI 360, Accra, Ghana, ²FHI 360, Washington, DC, United States, ³FHI 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, Babett Menge², Tobias Kruse³, Claudia Messing², Sandra Saschenbrecker², Roberto Brückmann², Andreas Gasser²
¹EUROIMMUN US, Mountain Lakes, NJ, United States, ²Institute 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
¹Uniformed Services University of the Health Sciences, Bethesda, MD, United States, ²MedStar 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, Analia Paolucci², Alejandra von Wulffen², Leonel Bracco¹, Juan Mucci¹
¹Universidad Nacional de San Martín, San Martín, Argentina, ²Hospital General de Agudos “José María Ramos Mejía”, Ciudad Autonoma de Buenos Aires, Argentina
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 Totrov1, Paul R. Carlier4, Maria Benen Cassera1
1University of Georgia, Athens, GA, United States, 2Virginia Tech, Blacksburg, VA, United States, 3Molsoft LLC, San Diego, CA, United States, University 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 Arama2, Hamadoun Diakité3, Mohamed Keita4, 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. Schallig5, Kassoum Kayentao1
1Malaria Research and Training Center, University of Bamako, Mali, Bamako, Mali, 2Department of Tropical Medicine, University of Kinshasa (UNIKIN), Kinshasa, Democratic Republic of the Congo, 3Centre of Competence for Methodology and Statistics (CCMS), Luxembourg Institute of Health (LIH), Luxembourg, Luxembourg, 4Amsterdam University Medical Centres, Academic Medical Centre at the University of Amsterdam (AMC), Laboratory for Experimental Parasitology, Amsterdam Institute for Infection and Immunology, Amsterdam, Netherlands, Amsterdam, Netherlands

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, Deogratias Kimera, Emmanuel Menyah, Daniel Owusu-Afranie, Sika Amoah-Kwakye, Irene Andoh
LB-8116

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

Jessica Laury¹, Kefas Mugittu², Debora C. Kajeguka³, Erasmus Kamugisha¹, Deus S. Ishengoma², Celine I. Mandara¹, Billy Nasagala², Mercy G. Chiduo², Muhidin K. Mahende¹, Jovin Kitau³, Maimuna M. Ahmed³, Sixbert I. Mkumbaye², Filibert Francis², Frank Chacky⁴, Marian Warsame⁵, Naomi Serbantez⁶, Chonge Kitojo⁷, Erik Reaves⁸, Dunstan R. Bishanga³, 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 Montañà³, Samuel Martinho³, Eidoo Elobolobo³, Jenisse Mbanze³, Humberto Munguame³, Saimado Imputia¹, Amélia Houana³, Felisabela Materrula³, Aida Xerinda³, Vegovito Vegove³, Regina Rabinovich², Francisco Saute³, Hansel Mundaca³, Marta Maia³, Carlos Chaccour², Urs Duthaler³, Felix Hammann¹

¹Division of Clinical Pharmacology & Toxicology, Department of Internal Medicine, University Hospital Bern, Bern, Switzerland, ²Barcelona Institute for Global Health (ISGlobal), Barcelona, Spain, ³Centro de Investigación en Salud de Manchíca, Maputo, Mozambique, ⁴Kenya Medical Research Institute (KEMRI) Centre for Geographic and Medical Research, Kilifi, Kenya, ⁵Division of Clinical Pharmacology & Toxicology, Department of Biomedicine, University and University Hospital Basel, Basel, Switzerland

LB-8118

Human monoclonal antibodies targeting Anopheles gambiae salivary protein AgSAP

Hyeseon Cho¹, Youngsil Seo², Yu-Min Chuang³, Gunjan Arora³, Alvaro Molina-Cruz⁴, Hamidou Cisse¹, Ming Zhao¹, Jeff Skinner¹, Mary E. Peterson¹, Shanping Li¹, Didier Dountabez², Safiatou Doumbo³, Aissata Ongoba³, Kassoum Kayentao¹, Boubacar Traore⁵, Carolina Barillas-Mury¹, Joshua Tan¹, Erol Fikrig¹, Peter D. Crompton¹

¹National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States, ²Yale School of Medicine, New Haven, CT, United States, ³National Cancer Institute, National Institutes of Health, Bethesda, MD, United States, ⁴Mali International Center of Excellence in Research, University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali

LB-8119

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

Aurel Holzschuh¹, Yalemwerk Ewnetu², Lise Carlier³, Anita Lerch¹, Inna Gerlovina², Sarah Cate Baker³, Delenasaw Yewhalaw², Werissaw Haileselassie³, Nega Berhanå, Wossenseged Lemma³, Cristian Koepfli¹

¹University of Notre Dame, Notre Dame, IN, United States, ²University of Gonder, Gonder, 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 Serbantë², Lulu Msangì³, Dismass Charles Mwalimu⁴, Samuel Lazaro⁴, Frank Chacky⁴, David Dadi⁴, Hannah Koenker⁴, USAID Tanzania Vector Control Activity, Johns Hopkins Centre for Communication Programs, Dar es Salaam, United Republic of Tanzania, ¹National Malaria Control Program Tanzania, Ministry of Health, Dodoma, United Republic of Tanzania, ²U.S. President’s Malaria Initiative, USAID, Dar es Salaam, United Republic of Tanzania, ³Tropical Health LLP, Baltimore, MD, United States

**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 Serbantë², Lulu Msangì³, Dismass Charles Mwalimu⁴, Frank Chacky⁴, David Dadi⁴, Hannah Koenker⁴, Benjamin Kamala¹, USAID Tanzania Vector Control Activity, Johns Hopkins Centre for Communication Programs, Dar es Salaam, United Republic of Tanzania, ¹National Malaria Control Program Tanzania, Ministry of Health, Dodoma, United Republic of Tanzania, ²U.S. President’s Malaria Initiative, USAID, Dar es Salaam, United Republic of Tanzania, ³Tropical Health LLP, Baltimore, MD, United States

**LB-8123**

**Mapping Malaria Reproduction Numbers in Vietnam: 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 Vargas⁴, Daniel J. Weiss⁴, Freya J.I. Fowkes⁴, Peter W. Gething¹

¹Telethon Kids Institute, Perth, Australia, ²Burnet Institute, Yangon, Myanmar, ³National Institute of Malariaology, Parasitology and Entomology, Ha Noi, Viet Nam, ⁴Burnet Institute, Melbourne, VIC, Australia

**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**

Rex B. Mbewe¹, Steve Gowero², James Chirombo³, Blessings Chiepa³, Clinton Nkolokosa³, Olivia Wetherill⁴, Sylvester Coleman⁴, Thembu Msalahowa⁴, Russell Stothard⁴, Christopher Jones⁴

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**LB-8126**

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

Abel Paulo Nhama¹, Quique Bassat², Lidia Nhamussua³, Clemente Da Silva¹, Paulo Arnaldo³, Crizolgo Salvador³, Annette Cassy³, Baltazar Candrinho³, Mércia Dimene³, Eva De Carvalho⁵, Arsenio Nhacolo¹, Arlindo Chidimatembue¹, Abuchahama Saífordine⁶, Flavio Wate⁶, Helio Mucavele⁷, Yaítobel Torres-Mendoza⁷, Alfredo Mayor⁷, Pedro Aide⁷

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**LB-8127**

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

Prasida Holla, Jyoti Bhardwaj, Erik L. Gaskin, Safiatou N. Doumbo, Aissata Ongobó, Philip L. Felgner, Christine S. Hopp, Xiaoling Xuei, Kassoum Kayentao, Boubacar Traoré, Peter D. Crompton, Tuan M. Tran

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**LB-8128**

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


1School of Medicine, Makerere University, Kampala, Uganda, 2Infectious Diseases Research Collaboration, Kampala, Uganda, 3National Malaria Control Division, Ministry of Health, Kampala, Uganda, 4Liverpool School of Tropical Medicine, Liverpool, United Kingdom, 5Department of Medicine, University of California San Francisco, San Francisco, CA, United States, 6Division of Infectious Diseases and Geographic Medicine, Stanford University, Stanford, CA, United States

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**LB-8129**

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


1University of Sciences, Techniques and Technologies, Bamako, Mali, 2Laboratory of Malaria Immunology and Vaccinology, Bethesda, MD, United States, 3Sanaria Inc., Rockville, MD, United States

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**LB-8130**

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


1Indiana University, Indianapolis, IN, United States, 2Makerere University College of Health Sciences, Kampala, Uganda

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**LB-8131**

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

Humphrey Mkali, Mohamed H. Ali, Geoffrey Makenga, Shija J. Shija, Raya Ibrahim, Stella Makwaruzi, Saidi Mgata, Naomi Serbantez, Chonge Kitojo, Erik Reaves, Lulu Msangi, Albert Ikonje, Sigisbert Mkude

1DhibaMi Malaria project, Population Services International, Dar es Salaam, United Republic of Tanzania, 2Zanzibar Malaria Elimination Program, Ministry of Health, Zanzibar, United Republic of Tanzania, 3U.S. President's Malaria Initiative, U.S. Agency for International Development, Dar es Salaam, United Republic of Tanzania, 4U.S. Centers for Disease Control and Prevention, Dar es Salaam, United Republic of Tanzania

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**LB-8132**

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

Toure Mahamoudou, Cheick Oumar Doumbia, Soumba Keita, Daouda Sanogo, Foussény Kane, Hamady Coulbaly, Bourama Traore, Moussa Keita, Nafomon Sogoba, Mahamadou Diakite, Jeffrey G. Shaffer, Seydou Doumbia

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**LB-8133**

Where next, Malaria elimination in Zanzibar


1Zanzibar Malaria Elimination Program, Ministry of Health, Zanzibar, United Republic of Tanzania, 2Ministry of Health, Zanzibar, United Republic of Tanzania, 3Dhibiti Malaria project, Population Services International, Zanzibar, United Republic of Tanzania, 4Dhibiti Malaria project, Population Services International, Dar es Salaam, United Republic of Tanzania, 5Swiss Tropical Public Health Institute, Dar es Salaam, United Republic of Tanzania, 6U.S. President’s Malaria Initiative, U.S. Agency for International Development, Dar es Salaam, United Republic of Tanzania, 7Ifakara Health Institute, Dar es Salaam, United Republic of Tanzania, 8World Health Organization, Dar es Salaam, United Republic of Tanzania

**LB-8134**

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

Julius Nyerere Odhiambo1, Carrie B. Dolan3, 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. Yadav3, Kristin Livezey2, Bryan R. Spencer3, Jeffrey M. Linnen3, Susan L. Stramer4

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 Muratova3, Puthupparampil Scaria1, Holly McClellan1, Weili Dai1, Daming Zhu1, Nicholas J. MacDonald4, Kelly M. Rausch4, Filip Dubovsky2, Gale E. Smith2, Greg Glenn2, Rakesh Kestwal2, Harish Rao2, Umesh Shaligram3, Patrick E. Duffy3

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**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 Coulibaly2, 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

Lucas Otieno1, CVIA078 Study Team2

1Kenya Medical Research Institute, Kombewa, Kenya, 2PATH’s Center for Vaccine Innovation and Access, Washington, DC, United States
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**LB-8141**


Gary Vestal¹, Zhiyong Zhou¹, Sheila B. Sergent², Mili Sheh², Justin Lee², Rebecca M. Mitchell², Andrew Hili², Kephas Otieno², Simon Kariuki², Feiko ter Kuile³, Laurence Slutsker⁴, Mary J. Hamel⁵, Meghna Desai⁶, Aaron Samuels⁶, John E. Gimnig⁶, Ymir Vigfusson¹, Ya Ping Shi²

¹Department of Computer Science, Emory University, Atlanta, GA, United States, ²Centers for Disease Control and Prevention, Atlanta, GA, United States, ³Kenya Medical Research Institute, Kisumu, Kenya, ⁴Department of Clinical Sciences, Liverpool School of Tropical Medicine, Pembroke Place, Liverpool, United Kingdom

**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, Evelyn 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 Stokes¹, Abraam Isaac³, Peet Van Der Walt³, Hong Zhou², Dylan Pillai², Stephen Vaughan³, Kinga Kowalewska-Grochowska³, Jamil N. Kanji⁴

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**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 Shears², Felicia Watson³, Jesse Erasmus³, Amit Khandhar³, Steve Geelhoed², Brandon Wilder³, Sean Murphy³, Steve Reed², James Davie³

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
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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. Stanisic, 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 Mon2, Nay Yi Yi Linn2, Saw Naung Naung1, Nu Nu Khin3, Gunawardena Dissanayake3, Khant Maung Maung1, Sway Min Htet1, Hnin Su Su Khin1, Ersin Topcuoglu1
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 Nabatanzii, Emmanuel Arinaitwe3, Isaac Ssewanyana1
1DEPARTMENT OF DISEASE CONTROL, MINISTRY OF HEALTH, Kampala, Uganda, 2QMPR 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 AISSAN, Saka KPAOUN, 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

OUMY KALMOTE 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 Mitreve1, 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 Boisend, Firdos A. Gorgy1, Douglas R. Call1, Manuela Carugati1, Nathaniel H. Kalengo4, Annette Marandu3, Michael J. Maze4, Anne B. Morrissey1, Bingileki F. Lwezaula2, Blandina T. Mmbaga1, Kajiru G. Kilonzo7, Venance P. Maro1, Flemming Schuetz2, 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 Ziekah1, Jean DeMarco1, Amos Sarpong Ayey1, 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
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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

Lorretha Kwasah1, Ivy Asantewaa Asante1, Mildred Adusei-Poku2, Stephen Ofori Nyarko1, Yaw Awuku-Larbi1, Gifty Mawuli1, Linda Boatemaa1, Richard Obeng Asomadu1, Vanessa Magnussen3, Jennifer Wutsika3, Samuel Ago1, Esinam Aku Apefa Amenuvor1, Juliet Wordui1, Roberta Tackie1, Ama Nyansema Sekyi-Yorke1, Cecilia Takyi1, Isabella Asamoah1, Theophilus Odoom3, Yaw Fen teng Danso1, Edward Owusu Nyarko1, William Asiedu1, Daniel L. Mingle5, Naiki Attram3, Shirley Cameron Nimo-Paintsil1, Sanders Terrel5, Hugo Miranda5, William Kwabena Ampofo1
1Noguchi Memorial Institute for Medical Research, Accra, Ghana, 2Department of Medical Microbiology, University of Ghana Medical School, Accra, Ghana, 3Veterinary Services Directorate, Accra, Ghana, 4Public Health Division 37 Military Hospital, Accra, Ghana, 5U. S. Naval Medical Research Unit EURAFCENT, Accra, Ghana

LB-8160

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

Yeeason Son1, Jung-Yong Yeh2, Jong Koo Lee2, Sangshin Park1
1University of Seoul, Seoul, Republic of Korea, 2Incheon 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 Patterson3, Luca Nelli3, Isabel Byrne2, Monica Hill1, Elin Dumont2, Lynn Grignard2, Kevin Tetteh1, Lindsey Wu2, Alejandro Llanos-Cuentas5, Chris Drakeley2, Gillian Stresman2, Gabriel Carrasco-Escobar4
1Health Innovation Laboratory, Institute of Tropical Medicine “Alexander von Humboldt”, Universidad Peruana Cayetano Heredia, Lima, Peru, 2Department of Infection Biology, London School of Hygiene and Tropical Medicine, London, United Kingdom, 3School of Biodiversity, One Health and Veterinary Medicine. University of Glasgow, United Kingdom, London, United Kingdom, 4University of Surrey, United Kingdom, London, United Kingdom, 5Institute 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
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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 Arndt6, Paige Fierbaugh1, Scott Halstead7, Gary Simon1, Kevin Porter3, Rebecca Lynch1
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LB-8165

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

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LB-8166

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

Helen Callaby1, Ashley Otter2, Sebastian Millward2, Amanda Semper3, Tim Brooks1, Jake Dunning6, Rohinton Mulla7, Lucy Rivett8, Hongyi Zhang5, Katherine Sharrocks5, Meera Chand7, Colin Brown7, Katherine Russell8, Marian Killip5, Frances Alexander9, N Claire Gordon9, Catherine F. Houlihan2, Tommy Rampling3
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**International Centre for Genetic Engineering and Biotechnology**

Marta Giovanetti1, Cynthia Vazquez2, Mauricio Lima3, Emerson Castro9, Analía Rojas9, Andrea Gomez de la Fuente9, Carolina Aquino9, Cesar Cantero9, Fatima Fleitas1, Juan Torales5, Julio Barrios8, Maria Jose Ortega8, Maria Liz Gamarra8, Shirley Villalta8, Tania Alfonzo8, Jolison Xavier8, Talita Adelmo8, Hegger Fritsch3, Felipe C. M. Jani7, Glauco Carvalho Pereira1, Carla de Oliveira8, Gabriel Schub8, 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 Montoya15, Edward C. Holmes17, Tulo de Oliveira12, Jairo Mendez Rico21, José Lourenço18, Vagner Fonseca19, Luiz Carlos Junior Alcantara3

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**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. Dabitoa1, Bassirou Diarra1, Ibrahim Sanogo1, Yeya dit Sadio Sarro1, Tenin Aminatou Coulibaly1, Dramane Diallo1, Seydou Samake1, Ilio Dick1, Mountaga Diallo1, Ayoboua 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 Gaoussou Traore1, Cheick Oumar Tangara1, Mahamadou Diakité1, Soukandal Diao1, Jamila Aboulhab2, Esther Akpa2, Karine Fouth Tchos2, Aaron Neal2, Katy Saliba-Shaw2, Ydrissa Sow2, Nischay Mishra2, John K. Wickiser2, Thomas Briese3, W. Iain Lipkin3, Ray Y. Chen2, Seydou Doumbia2

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**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 Sekiziyivu3, Marjorie Najjengo4, John Timothy Kayiwa3, Eric Mossel5, Ellen Twinomuhwezi-Oyet5, Conrad Turnwine6, Angela Namwanje7, Winfred Nansozi Nakato7, Annet Nankya7, Charles Semakula7, immaculate Ampare7, Jane F. Gidudu8, Ydrissa Sow2, Tenin, Andrew Kambugu1, J. Erin Staples1, Rebecca Casey1, Susan Y. Chu1

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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 Du3, Ju-Tao Guo1

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LB-8171

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

Donald Grant1, Matt A. Price2, Emily Engel3, Neil Bond3, Robert F. Garry3, Robert Samuels3, 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

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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

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

LB-8175


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

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LB-8177

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

Aminata Ba3, Mbengué Nielaya1, Gaye Laye Diop4, Thialaw Sarr2, Keersten Ricks2, Jessica Radzio-Basu2, Modou Moustapha Lo1

1Institut Sénégalais de Recherches Agricoles, Dakar, Senegal, 2USAMRIID, Fredrick, 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 Ricks2, Moussa Moise Diagne2, Jessica Radzio-Basu4

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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 Choden3, Haixing Wang4, Evan Anderson3, Lei Zhu4, Morgan Marks4, Tshokey Tshokey1

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. Teixiera2, Swapnav Borthakur3, Richa Giri4, Shannan Lynch1, Janice Chin1, Laura Ishak1, Xiao-Jian Zhou5, Keith Pietropaolo1, Bruce Belanger1, Yang Lei1, Qi Huang1, Janet Hammond1

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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 Carablo1, Gianna Martiradonna2, Luisa Elena Figueroa Acosta2, Jeraldin Molina Moreno2, Jesús Alberto Berti Moser2, JuanCarlos Salazar2, Sérgio Lopes3, 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

LB-8190

The role of probiotics on the development and fitness of Aedes aegyptimosquito

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 Rodríguez Vásquez2, John Bardales Cardenas2, Jose Rivas2, Alex Nading2, Becker Reyna Aspajo4, Guido Izquierdo Tolentino5, Gissella M. Vásquez6, 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
Diversity of Mosquito Vectors across different Land-use Habitat in The Gambia

Gillian Eastwood, Muhammed M. Camara, Ebrima Jawara, Amie K. Njie, Diawo Diallo, Harouna D. Soumare, Umberto D’alessandro, Marta Moreno Leirana

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

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

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

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

Peptide Cross-Reactivity has Functional Potential for MAM01 Efficacy

Yevel Flores-Garcia, Shamika Mathis-Torres, Minah Park, Kayla Andrews, Jared Silverman, Fidel Zavala

Bloomberg 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
Friday, October 20, 2023, Noon - 1:45 pm
Grand Hall GHI – Ballroom Level (East Tower)
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 Diouf³, Allison Belemvire⁴, Lilia Gerberg⁵, Kone Adama⁶, Djenanam Jakob⁷, Sheila Ogoma⁸, Aristide Hien⁹, Dieudonné Diloma Soma¹⁰, Roch Kounbobr Dabiré¹¹, Keith Esch¹²

Disease control and prevention, Kinshasa, Democratic Republic of the Congo

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, Abdrahahane Fofana¹, Boubacar Coulibaly¹, yacouba Diarra¹, Yacouba Dembele¹, Sale Sidibe¹, Abdoulaye Katlie¹, Teun Bousema³, Matthew B. B. McCall³, Bouraram Kamate¹, Makcus Gmeiner¹, John C.C Woodford³, Issaka Sagara¹, Bridget E. Barber³, Stephen L. Hoffman³, Jennifer Kwan³, Heather Goodman², Patrick Duffy², Katharine Collins³, Mamadou B. Coulibaly¹
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Malaria rapid diagnostic tests reliably detect asymptomatic Plasmodium falciparum 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

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 Mpofu¹, Tyler Williamson¹, Alidor Kubi Kuamba¹, Remy Ngoy¹, Ferdinand Ntayo², Yibayiri Ose Sanogo¹, 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-8206**

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

**Martin Kampmann**, Manuela Carasquilla, Christina Ntalac, Ina Wagner, Khiara Berkowitz-Sklar, Olivia Lamers, Hamidou Cisse, Safaitou Dombou, Didier Doumtabe, Kassoum Kayenta, Aissata Ongoiba, Moussa Niangaly, Hans-Joachim Mollenkopf, Peter Crompton, Boubacar Traore, Benjamin Mordmueller, Silvia Portugal

1. Max-Planck-Institute for Infection Biology, Berlin, Germany, 2. Radboud University Medical Center, Nijmegen, Netherlands, 3. International Center of Excellence in Research, Bamako, Mali, 4. Laboratory 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, Ousmialia 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 Lee**, Cécile Crosnier, Paola Carolina Valenzuela Leon, John P. Atkinson, Gavin J. Wright, Eric Calvo, Louis H. Miller, Karthigayan Gunalan

1. NIAID/NIH, Rockville, MD, United States, 2. Department of Biology, Hull York Medical School, York Biomedical Research Institute, University of York, York, United Kingdom, 3. Division of Rheumatology, Department of Medicine, Washington University School of Medicine, Saint Louis, MO, United States

**LB-8210**

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

**Yao Li**, Bing Guo, Shannon Takala Harrison, **Kathleen Stewart**

1. University of Maryland, College Park, MD, United States, 2. University 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 Racca**, Anastasia Karabina, Gustave Bergnes, Matt Ducton, Aminah Dawaood, Stephanie Ouchida, Heba Wander, Seongwon Jung, Nimisha Mittal, Tonnie Huijs, Annamma Spudich, Kathleen Ruppel, Koen Dechering, Elizabeth Winzeler, Suman Nag, Darshan Trivedi, James Spudich

1. Kainomyx, Palo Alto, CA, United States, 2. University of California - San Diego, La Jolla, CA, United States, 3. TropIQ Health Sciences, Nijmegen, Netherlands

**LB-8212**

**Structural Analysis of Plasmodium vivax Circumsporozoite Protein**

**DEBASISH CHATTOPADHYAY**, Anjali Jadava, Shihong Qiu, Qiao Shang, Chad M. Petit, Todd J. Green

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**LB-8213**

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

**Gabriel Ponce de Leon**, Dean Sayre, Benjamin Nieto-Andrade, Rukaaka Mugizi, Admilde Jose, Venceslau Pelenda, Claudete Samutondo, Joltem Quivinja, Joana do Rosario, Sarah Labuda, Elisa Miguel, Pedro R. Dimbu, Mateusz Plucinski, José Franco Martins

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. Nankibirwa1, Gerald Mboowa2, Shreeya Garg3, David Giesbrecht4, Thomas Katairo1, Brian Aslimwe1, Victor Asua1, Gerald Tumusiime1, Emmanuel Arinaite1, Samuel L. Nsobya1, Moses R. Kamya1, Jessica Briggs1, Bryan Greenhouse1, Grant Dorsey1, 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. Desruisseaux2  
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 Hlorlortu1, Michaela Ahorbo1, Henrietta Sasu1, Samuel Nyarko1, Eunice Obeng1, Benedicta Mensah1, Benjamin Abuaku1, Jeffrey Bailey1, 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  
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**LB-8221**

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

Brian Andika1, Victor Mobegi1, Kimita Gathii1, Josaphat Nyataya1, Naomi Maina2, George Awinda1, Beth Mutai1, John N. Waitumbi2  
1KEMRI/United States Army Medical Research Directorate-Africa, Kisumu,, Kenya, 2University of Nairobi, Nairobi, Kenya, Nairobi, Kenya, 3Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya
Poster Session B Presentations
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LB-8222

Malaria surveillance using next generation molecular tools in Benin, 2021

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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 SAMAKE2, Alpha S. YARO2, Peter D. CROMPTON2, Luis CHAVES3, Mariel FRIBERG4, Tovi LEHMANN5
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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 Lange1, Evelina Angov2, Mangala Rao2, Gary Matyas2, Paul Robben2, David L. Narum1, Patrick E. Duffy1, Sheetij Dutta2
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LB-8225

The implementation of community delivery of intermittent (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’Brien1, Terrie Taylor1, Aristeia Galanopoulou1, Stephen Ray6, Karl Seydel2, Johanna P. Daily1
1Albert Einstein College of Medicine, Bronx, NY, United States, 2Massachusetts General Hospital, Boston, MA, United States, 3Ohio 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
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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
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LB-8230

Genetic analysis of virulence in Cryptosporidium parvum

Wanyi Huang1, Rui Xu1, Abigail Kimball1, William Witola2, 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
**Poster Session B Presentations**
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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 Sossou	extsuperscript{1}, Sem Eznimennon	extsuperscript{2}, Gino Agbota	extsuperscript{3}, Komi Gbébendé	extsuperscript{1}, Manfred Accrombessi	extsuperscript{1}, Achille Massougbodji	extsuperscript{1}, Marceline d’Almeida	extsuperscript{4}, Jules M Alao	extsuperscript{5}, Alexandre Pachot	extsuperscript{6}, Karen Brengel-Pescé	extsuperscript{5}, Akadiri Yessoufou	extsuperscript{7}, Valerie Briand	extsuperscript{8}, Pierre Tissières	extsuperscript{8}, Nadine Fievè	extsuperscript{9}

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**LB-8232**

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

Mebrahut 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 Hanner	extsuperscript{1}, Heather Kudyba	extsuperscript{1}, Brendan Sweeney	extsuperscript{1}, Tales Pascini	extsuperscript{1}, Zarna Pala	extsuperscript{1}, Vasant Muralidharan	extsuperscript{1}, Joel Vega-Rodriguez	extsuperscript{1}

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**LB-8234**

**Connecting the Cytoskeleton and Organelles during Plasmodium falciparum Cytokinesis**

James Blauwkamp	extsuperscript{1}, Krithika Rajaram	extsuperscript{2}, Sean Prigge	extsuperscript{2}, Sabrina Absalon	extsuperscript{1}

	extsuperscript{1}Indiana University School of Medicine, Indianapolis, IN, United States, 	extsuperscript{2}Johns 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 Segundo	extsuperscript{1}, Kadir Gonzalez Carrion	extsuperscript{1}, Jose E. Calzada	extsuperscript{1}, Azael Saldaña Patiño	extsuperscript{2}

	extsuperscript{1}Gorgas Memorial Institute for Health Studies, Panama, Panama, 	extsuperscript{2}Panama University, Panama, Panama

**LB-8236**

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

Paulo Manrique	extsuperscript{1}, Philipp Schwabi	extsuperscript{1}, Sarah Auburn	extsuperscript{2}, Daniel E. Neafsey	extsuperscript{1}

	extsuperscript{1}Harvard TH Chan School of Public Health, Boston, MA, United States, 	extsuperscript{2}Menzies 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.**


	extsuperscript{1}Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, 	extsuperscript{2}Instituto Gonçalo Moniz, Salvador, Brazil, 	extsuperscript{3}Organização Pan-Americana de Saúde/Organização Mundial de Saúde, Brasília, Brazil, 	extsuperscript{4}Laboratório de Flavivirus - Instituto Oswaldo Cruz, Rio de Janeiro, Brazil, 	extsuperscript{5}Laboratório Central de Saúde Pública do Estado de Minas Gerais - Fundação Ezequiel Dias, Belo Horizonte, Brazil, 	extsuperscript{6}Laboratório de Virologia Molecular - Instituto Carlos Chagas, Curitiba, Brazil, 	extsuperscript{7}Instituto René Rachou - Fundação Oswaldo Cruz, Belo Horizonte, Brazil, 	extsuperscript{8}University of Campinas 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, Ayn E. Hartwig1, Stephanie M. Porter2, Nicole M. Nemeth3, Marissa Quilici1
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LB-8239
The 3rd decade of Dengue Virus Circulation in Rural Thailand
Kanyarat Phutthasophit, Thidarat Intararit, Chonticha Klungthong, Surachai Kaewhiran, Wirach Kateudomsup, Parinya Nakpoonabutra, Sopon Iamsrithaworn, Aaron Farmer, Stefan Fernandez, Darunee Buddhari
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 Shugart2, 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 Salje2, 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. Luquette1, Maren C. Fitzpatrick2, Hannah M. Drumm3, Regina Z. Cer2, Marina Donduashvili3, Tamar Buchukuri1, Anna Nanava4, Christine E. Hulseberg6, Michael A. Washington4, Eric D. Laing1, Francisco J. Malagon1, Kimberly A. Bishop-Lilly5, Christopher C. Broder1, Brian C. Schaefer1
1Uniformed Services University of the Health Sciences, Bethesda, MD, United States, 2Biological Defense Research Directorate, Naval Medical Research Command, Fort Detrick, MD, United States, 3State Laboratory of Agriculture, Tbilisi, Georgia, 4US Army Medical Research Directorate-Georgia, Tbilisi, Georgia, 5Dwight D. Eisenhower Army Medical Center, Augusta, GA, United States

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 innerve 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 Morris³, 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 Richard², Yingxin Zhao², Kristen Brosamer³, Lucas Blanton², David Walker², Katerina Kourentzi², Rong Fang²
¹UH, Houston, TX, United States, ²UTMB, Galveston, TX, United States

LB-8250

First report of blaNDM and blaKPC 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 Yousaizai³, Ibtesam Qazi³, Momin Kazi³, Seema Irfan³, Najeeha Iqbal³, Aneeta Hotwani³, Najeeb Rahman³
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

Ambakisyhe Kuyokwa Mhiche¹, George Kabona², Veronica Kabona¹, Casmil Masayi¹, Julius Charles Masanika¹, Jeremiah Ngondi³
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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 Gelaw², Aemero Abateneh³, Belay Beyene³, Ambahun Chernet³, Joyce Hu³, Hadley Burroughs³, Zhaoxia Zhao³, Jessica Shantha³, Scott D. Nash³, Benjamin F. Arnold³, Thomas M. Lietman³, 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
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 Gil2, Lucie Ecker3, Rubelio Cornejo1, Omar Flores3, Jan Vinjé4, Claudio Lanata1
1 Instituto de Investigación Nutricional, Lima, Peru, 2 Center for Disease Control, Atlanta, GA, United States

Methanogenic Small Intestinal Overgrowth Does Not Predict Growth in Tanzanian Children

Yasmin L. Alamdeen Shahzada1, Sarah E. Eliwood2, Samwel Jatosh3, Siphael Katengu3, Paschal Mdoe3, Estomih Mduma2, Mark D. DeBoer4, Rebecca J. Scharf5, Jeffrey Donowitz1
1 Virginia 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

Cholera surveillance for early warning and preparedness for epidemics in Rohingya Myanmar Nationals in Cox’s Bazar, Bangladesh

Ashraful Islam Khan1, Md. Taufiqul Islam1, Nabad Anjum Tanvir2, Zahid Hasan Khan1, Mohammad Ashraful Amin1, Md. Golam Firoj3, Md. Mokibul Hassan Afrad1, Yasmin Ara Begum4, Abu Toha M.R.H Bhuiyan2, ASM Mainul Hasan3, Tahmina Shirin4, Firdausi Qadri1
1 International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh, 2Refugee Health Unit, Office of the Refugee Relief and Repatriation Commissioner, Cox’s Bazar, Bangladesh, 3Health section, The United Nations Children’s Fund (UNICEF), Dhaka, Bangladesh, 4 Institute of Epidemiology Disease Control and Research (IEDCR), Dhaka, Bangladesh, Dhaka, Bangladesh

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 Hossen3, Nishat Sultan4, Abu Bakar Siddik2, Nazia Rahman1, Prasanta Kumar Biswas1, Md Golam Firoj3, Faisal Ahmmed1, Fahima Chowdhury1, Md Taufiquar Rahman Bhuiyan3, Firdausi Qadri1
1 International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh, 2 Institute for Developing Science and Health Initiatives, Dhaka, Bangladesh

Impact of nutritional status on childhood diarrheal infections among children enrolled in ABCD trial in Pakistan

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

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 Yousaftazi, Fatima Mir, Sajid Muhammad, Aneeta Hotwani, Farah N. Qamar
Aga Khan University Hospital, Karachi, Pakistan

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, Angela M. Sanders2, Lochebe Boniface3, Stephen Ohidor3, Yak Yak Bol4, James Niquette1, E. Kelly Callahan2, Scott D. Nash2
1 Emory University, Atlanta, GA, United States, 2 The Carter Center, Atlanta, GA, United States, 3 The Carter Center, Juba, South Sudan, 4 Ministry of Health, Juba, South Sudan
Pulmonary haemorrhage and septic shock as a frequent cause of death among patients with severe complicated Leptospirosis in Southern Sri Lanka
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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. Tippett Barr⁴, Clayton Onyango⁴, Kephas Otieno¹, Shirley Lidechi¹, Dorothy Odindo¹, Sammy Khagayi¹, Edwin Kiplagat¹, Victor Akelo⁴, Dickens Onyango⁴, Richard Omore⁴, Kuyu H. Lee⁵, Erick Muok¹, Dianna M. Blau², Jessica L. Waller⁸, Maureen H. Díaz⁸
¹Kenya Medical Research Institute, Kisumu, Kenya, ²Aga Khan University Hospital, Nairobi, Kenya, ³Nairobi, Kenya, ⁴Global Health Center, Centers for Disease Control and Prevention, Atlanta, GA, United States, ⁵Nyana Health Research Institute, Salima, Malawi, ⁶US Centers for Disease Control and Prevention, Kisumu, Kenya, ⁷Kisumu County Department of Health, Kisumu, Kenya, ⁸Emory Global Health Institute, Emory University, 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 Griffths¹, 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-8277

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


1Eyu Ethiopia, Bahir Dar, Ethiopia, 2University of California, San Francisco, San Francisco, CA, United States, 3Debre Berhan University, Debre Berhan, Ethiopia, 4Bahir Dar University, Bahir Dar, Ethiopia, 5Amhara Public Health Institute, Bahir Dar, Ethiopia, 6The Carter Center, Addis Ababa, Ethiopia, 7F.I. Proctor Foundation, University of California, San Francisco, San Francisco, CA, United States, 8The Carter Center, Atlanta, GA, United States

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 Tiaoing, Dominik Stelze, Christine Budke, Hélène 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. Ndhere, 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 Kabona, Faraja Lyamuya, Molly Brady, Andreas Nshala, Alpha Malishe, Julius Masanika, Shabbir Lajji, Ambaksise Mhiche, George Kabona
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, Atalant, 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 Goodhew, Zachary Reynolds, Sarah Gwyn, Ashley Simon, Nishanth Parameswaran, Chabier Coleman, Karana Wickens, Diana L. Martin, Gretchen M. Cooley

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, Yaoundé, 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 Ndhere, Shweta Brahmbhatt, Melanie Miruka, Victorine Owira, Lucas Tina
1Victoria Biomedical Research Institute, Kisumu, Kenya, 2ACE Research, Kisumu, Kenya
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. Anthony 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 Moirana3, George Kabonà4, Paul Martine5, Upendo Mwingira6, Moses Katabarwa6, Julius Masanika7, Shabbir Lalji7, Andreas Nshala1
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 Odiere2, Thomas Scherr3
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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 Sangare2, Yaya Ibrahim Coulibaly1, Dukharmel Nazaire2, Diadjie Tanapo1, Sekou Oumarou Thera1, Mahamoud Mahamadou Kouriechi1, Siaka Yamousa Coulibaly1, Salif Seriba Doumbia1, Houssene Dolo1, Thomas B. Nutman3, Alison Krentel2
1International 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 Sutherland3, Molly Brady4, Carl Fayette5, Marc Aurèle Telfort6
1RTI International, Port-au-Prince, Haiti, 2RTI International, Washington DC, DC, United States, 3Haiti Ministry of Public Health and Population, Port-au-Prince, Haiti

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, Clarisse Bougouma1, Compaoré Justin1, Yerbanga Daniel2, Zoromé Harouna1, Emile Sorgho1, Ouedraogo Mathias1, Georges Dimithe1, Regina Khassanova3, Dieudonné Naré1, Micheline Ouedraogo4, Lucien Mano4, Elisabeth Chop5, Angel Weng5, Brian Fuller4, Patricia Houck4, Diana Stuke5, Yaobi Zhang4, Benoit Dembele5, Steven D. Reid6

LB-8293

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

PRIYAMADHABA BEHERA, Deb Kumar Pal, Binod Kumar Patro, Chandra Sekhar Sirka
All India Institute of Medical Sciences, Bhubaneswar, Bhubaneswar, India
**Poster Session B Presentations**
Friday, October 20, 2023, Noon - 1:45 pm
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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 Tonkoung³, 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 Sripoorote¹, Wanlapa Roobsoong¹, Saranath Lawpoosri², Wang Nguitragool³, Suwich Thammaphalo⁴, Pathomporn Prikhoo², Amnat Khamsriwatchara⁵, Rungrawee Pawarana², Pawinee Jarujareet⁶, Jetsumon Sattabongkot¹, Liwang Cui⁶, Jaranit Kaewkungwa²
¹Mahidol Vivax Research Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand, ²Center of Excellence for Biomedical and Public Health Informatics (BIOPHICS), Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand, ³Department of Molecular Tropical Medicine and Genetics, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand, ⁴Department of Disease Control, Ministry of Public Health, Bangkok, Thailand, ⁵Office of Disease Prevention and Control 12, Songkhla, Thailand, ⁶Division of Infectious Diseases and Internal Medicine, Department of Internal Medicine, University of South Florida, Tampa, FL, United States

**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
**Poster Session B Presentations**

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**Grand Hall GHI – Ballroom Level (East Tower)**

**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. Mosha1, Nancy S. Matowo2, Manisha A. Kulkarni2, Louisa A. Messenger3, Eliud Lukole3, Robert Kaaya4, Monica Taljaard3, Jacklin Martin1, Alphaxard Manjurano1, Immo Kleinschmidt5, Franklin W. Mosha3, Mark Rowland3, 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, Maessarath 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 of Australia, 3National Institute for Medical Research Tanzania, Mwanza, United Republic of Tanzania

**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, Achamylesh Sisay5, Gedeon Yohannes2, Ephrem Abiy2, Amha Worku2, Kerri-Ann Guyah6, Katie Tripp5, Cecilia Flatley5, Sarah Zohdy7, Aklilu Seyoum8, Dereje Dengela2

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 Upadhye3, Safiatou Doumbo1, Aissata Ongolba4, Kassoum Kayenta1, Boubacar Traore1, Peter D. Crompton1, 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. Narum2, Emma K. Barnafo3, Lynn E. Lambert3, Muratova Olga4, Matthew V. Cowles1, Nada Alani5, Holly McAleese1, Justin Y.A. Doritchamou1, Irfan Zaidi1, Jonathan P. Renn1, Jennifer C.C. Hume1, Andrew Lees1, 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, Prasada Holla2, Aditi Upadhye3, Erik L. Gaskin4, Boubacar Traore1, Peter D. Crompton1, 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 fhrp2/3 gene deletion studies

Shazia Ruybal-Pesáñez1, Jason A. Hendry1, Jeffrey A. Bailey5, Jonathan J. Juliano3, Jonathan B. Parr1, 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 Renn2, Youssouffa Sidibe2, Almahamoudou Mahamarr3, Oumar Attaher2, Gaoussou Santara2, Moussa Traore1, 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, Aboubecr S. Haidara, Fanta Sogore, Ousmaila Diakite, Allou 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 Abraha1, Angelina Sharak1, Katie J. Ewer2, Adrian V.S. Hill1, Georgia D. Tomaras1, S. Moses Dennison1
1Duke University, Durham, NC, United States, 2Jenner Institute, University of Oxford, Oxford, United Kingdom
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 Mitashi5, Albert Kutekemeni5, Irene Cavros5, Mouhamad Sy6, Mamadou Alpha Diallo7, Aita Sene6, Ibrahim M. Ndiaye6, Dieudonné Mumba Ngoyi1, Ange Landela7, Jehan Ahmed8, Awa B Deme9, Daouda Ndiaye6, Gauthier Mesia Kahunu2

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

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 Cavros5, Anne Griggs5, Aissata Fofana6, Daouda Ndiaye2, Abdou H. Beavogui1

1Centre National de Formation et de Recherche en Santé Rurale, Maférinyah, 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

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

Bokretseon G. Brhane1, Habtamu Gebrie2, Eyob Getu3, Hussein Mohammed4, Henok Hailegiorgis5, Desalegn Nega Wada1, Gudissa Assefa4, Degu Mehari6, Worku Bekele6, Heven Sime7, Adugna Abera7, Moges Kassa7, Getachew Toller8, Mesay Hailu Dangisso9, Geremew Tasevi1, 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

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. Boggy1, Rowland Osi2, GW McElfresh1, Maanas Kaza3, Sebastian Benjamin1, Shana Feltham2, Sohita Ojha1, Lisa Mahyari1, Scott G. Hansen2, Brandon Wilder3, Benjamin N. Bimmer4

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 Yérie Camara2, Aminata Dia2, 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 OuélessébougouMali

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

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, Selemane 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 Thomsen2, Hypolite Muhindo Mavoko2, Patrick Mitashi Mulopo2, Emma Filtenborg Hocke2, Papy Mandoko3, Andria Mousa5, Cally Roper6, Destin Mbongi7, Eric Mukomena Sompwe7, Helle Hansson1, Michael Alfrangis7, Gauthier Mesia Kahunu8
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


**LB-8327**

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

Yvonne Dube1, Elizabeth H. Aitken1, Jonathan Kurtis2, Morten Nielsen3, Victor Mwapasa4, Ken Maleta4, Kamija Phirir5, Mwayi Mandasata5, Feiko ter Kuile6, 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, 5University 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 Flieskatt3, Bakary Traore1, Ousmane Abel Poudiougo1, 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 Reimer2, Cecilia Carnrot4, Mahamadou S. Sissoko1, Patrick Duffy2, Michael Theisen2, Issaka Sagara1

1Malaria Research and Training Center, University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, 2Laboratory of Malaria Immunology and Vaccinology, NIAID, NIH, Bethesda, MD, United States, 3Department for Congenital Disorders, Statens Serum Institut, Copenhagen, Denmark, 4Novavax, Uppsala, Sweden, 5Centre for Medical Parasitology at Department of Immunology and Microbiology, University of Copenhagen, Copenhagen, Denmark

**LB-8329**

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

Prayuth Sudathip1, Donal Bisanzio2, Suravadee Kitchakarn1, Jerdsuda Kanjanasuwon1, Deyer Gopinath3, Ruangrawee Tippontree4, Chantana Padungtod1, Niparueradee Pinyajeerapat1, David Sintasath4, Jui A. Shah3

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 Kooch2, George Ambani3, Lucy Abel2, Tabitha J. Chepkwony2, Emily M. Robie3, Steve M. Taylor3, Wendy P. O’Meara2

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 Dhliwayo1, Munyaradzi Mukuzungu1, Ottias Tapfumane1, Andrew Tangwena1, Vuyisile Mathe1, Alexio Mangwiwo2, Abaden Svisva2, Evidence Makadzange2, Samuel Gwere2, Ruvimbo Chigwanda2, Maweyata Sow1, Ofentse Mosikare1, 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**

Mariama Dialanda Diallo1, Charlotte Hammer2, Boubacar Kann1, Fatoumata Sanoh3, Tamba N’fantoma Leno1, Oumar Mansare4, Abdoulaye Djibril Sow4, Yacouba Konaté1, Emilie Ryan1, Ailin Sivisva2, Alpha Mahmoud Barry1, Claire J. Standley5

1Santé Plus Organisation, Conakry, Guinea, 2University of Cambridge, Cambridge, United Kingdom, 3Santé Plus Organisation / MOH, Guéckédou, Guinea, 4Santé Plus Organisation / MOH, Dalaba, Guinea, 5Santé Plus Organisation / ISSMV, Dalaba, Guinea, 6Georgetown University, Washington, DC, United States
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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, Oluamide Oyetbamiji, 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 Aleti, Stephen Kigongo, Bridget Namubiru, Irene Ayaa Akot, Alex Ojaku, Robert Abiriga, Allan Matovu, Norman Candie, Sandra Djalle Incardona, Beulah Jayakumar, Maraim Bahova, Myres Lugemwa, Constance Agwangu, Edward Mugwanya, Irene Ochola, Benjamin Binagwa

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)


State university of Amazon, Manaus, Brazil

**LB-8336**

Metagenomic next-generation sequencing based surveillance of unexplained acute febrile illness: An experience from Uganda

Abraham J. Kandathil, Jen Lu, Raghavendran Anantharam, Kenneth Kobba, Paul W. Blair, Matthew L. Robinson, Edgar C. Nduwula, Francis Kakooza, Mohammed Lamorde, David L. Thomas, Steven L. Salzberg, Yuka Manabe

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 Celone, Adrian Castellanos, Simon Pollett, Barbara Han

1 Uniformed Services University of the Health Sciences, 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 Choi, Jung-Yong Yeh, Jong Koo Lee, Sangshin Park

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-Neyra, Jorge L. Cañari-Casaño, Sherrie Xie, Elvis W. Díaz, Michael Z. Levy, Valerie Paz-Soldán

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 &gt; of potential effects on malaria transmission

Aminata Fofana, Rakiswende Serge Yerbanga, Moussa Zongo, Alassane Haro, Jean-Bosco Ouedraogo, Mathilde Gendrin

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
Friday, October 20, 2023, Noon - 1:45 pm
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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. Debpuur1, Melanie McCauley2, Patrick Ansah3, Victor Asaola3, Michael Kaburise1, Seth Addo3, Deborah Narwortey1, Jane Ansah-Owusu4, Samuel Dadzie5, Francis Broni6, Abdulwasiu Bolaji Tiamiyu3, Michael Iroezindu2, Edward Akinwale7, Zahra Parker6, Leigh Anne Eller2, Kara Lombardi2, Tsedal Mebrahtu2, Erica Broach7, Anastasia Zuppe1, Mihnret Amare3, Petra Prins8, Jenny Lay9, Thierry Lamare Fouapon Assedi Njatou10, Yvonne Linton11, David Pecor10, Terrel Sanders11, Andrew Letizia11, Kayvon Modjarrad9, Nelson Michael7, Suzanne Mate6, Cynthia Tucker9, Sharon Daye9
1Ghana 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 Reed 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, Guillerme G. Veroca2, Rojelio Mejia1
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 Liao1, Suppaluck Nelson2, Edward R. Traczyk3, Sabrina Scime3, Jessica Celano5, Nicolas S. Johnston1, Theron Hamilton3, Emily McDermott4, John P. Grieco5, Nicole L. Achee6, Yvonne M. Linton1, Le Jiang1
1Viral 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 SANKHE1, Cheikh TALLA2, Mareme Seye THIAM3, Martin FAYE4, Mamadou Aliou BARRY2, Maryam DIARRA1, Moussa DIA1, Oumar NDIAYE2, Pape Mbacke SEMBENE1, Boly DIOP3, Gamou FALL4, Oumar FAYE4, Ousmane FAYE4, Moussa Moise DIAGNE1, Cheikh LOUCOUBAR2
1Arboviruses 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, 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 Diakite2, Yaya Kassogué1, Bakarou Kamate1, Bama Traore1, Idriss Djonouma1, Kadiiatou Cisse1, Cheick B. Traore1, Mamoudou Maiga2
1University 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 DONGMO², 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

**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 Deschremeier¹, 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
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**LB-8354**

GMP Manufacturing of Reassortant Vaccine against Lassa Fever

Peter Pushko¹, Igor S. Lukashevich¹, Dylan M. Johnson³, Irina Tretjakova³
¹Medigen, Inc, Frederick, MD, United States, ²Sandia National Laboratories, Livermore, CA, United States

**LB-8355**


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 Llewelyn³, Nguyen Van Hao³, 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**
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**LB-8357**

**Dengue, Yellow fever and Plasmodium falciparum co infections in Delta North Senatorial District, Delta State, Nigeria**

Onyebigwua Patrick Goddey Nmorsi, **Paul Ogwezzy**, Andy Ogochukwu Egwunyega

*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 Tricou**, Humberto Reynales, Xavier Saez-Llorens, Chukiat Sirivichayakul, Charissa Borja-Tabora, Reynaldo Dietze, LakKumar Fernando, Martina Rauscher, Yuan Zhao, Shibadas Biswal

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 Infecciosas, Centro de Ciencias 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. Durbin**, Liesbeth Van Wesenbeeck, Kristen K. Pierce, Freya Rasschaert, Laur Ebene, Annetmie Buelens, Patricia Lutton, Veerle Van Eygen, Kim De Clerck, Isabel Fetter, Natalia V. Voge, Xi Fang, Nele Goeyvaerts, Yannick Vandenack, Jeffrey Mayfield, Richard Hoetelmans, Helen He, Tine De Marez, Ruxandra Draghia-Akili, Marya Carmolli, Marnix Van Loock, Guillermo Herrera-Taracena

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 Kone1, Fousseyni Kane1, Bintou Coulibaly1, Djeneba K. Dabibao1, 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 Aboulhab1, Esther Akpa2, Karine Fouth Tchos2, Aaron Neal3, Katy Saliba-Shaw3, Ydrissa Sow3, Seydou Doumbia3, Nischay Mishra3, John K. Wickiser3, Thomas Briese3, W. Ian Lipkin3, Ray Y. Chen3, Sounkalo Dao3
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)**

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**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 Musvibe³, Brendon Manyisa³, Ignitious Nezomba², Angelo QW Ong¹, John S. Meschke¹*

¹University of Washington, Seattle, WA, United States, ²University of Zimbabwe, Harare, Zimbabwe, ³City of Harare, Harare, Zimbabwe

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**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 Haileleule³, Awoke Dagnaw¹, Mulat Zerihun¹, Ayenachew Kerie¹, Kassa Bulcha¹, Zebene Ayele³, Tamagn Ashenafl¹, 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

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**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

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**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

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**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
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### 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

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**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 Akhtaruzzaman², Kamrun N Koly³, Jayasree Saha¹  
¹National Institute of Preventive and Social Medicine

**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. Martinez²  
¹University of Illinois at Urbana-Champaign, Urbana, IL, United States, ²Institute for Disease Modeling, Seattle, WA, United States
Risk of SARS-CoV-2 Infection among Healthcare Workers in Selected Healthcare Facilities, Bangladesh

Ahamed Khairul Basheri, Md Abdullah Al Jubayer Biswas, Mahmudur Rahman, Fahmida Chowdhury, Md Zakriul Hassan

1International 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

Clinical predictors of SARS-CoV-2 detection among patients with severe respiratory illness in Kenya, 2022-2023

Raphael Ochieng Anyango, Sidney Ogolla, Brian Onyando, Philip Ngere, Caroline Nasimiyu, Samuel Kadivane, Sultani Matendechero, Alex Awuor, Billy Ogwel, Nancy Otieno, Victor Akelo, Morine Achieng, Erick Muok, Shirley Lidechi, Bryan Nyawanda, Erick Osoro, Richard Omore

1Kenya Medical Research Institute, Center for Global Health Research, Kismu, Kenya, 2Ministry of Health, Nairobi, Kenya, 3Washington State University, Moscow, Washington, USA, 4Liverpool School of Tropical Medicine, Kismu, Kenya

Identification of Repurposed Drugs as SARS-CoV2 Cell Entry Inhibitors

Idali Martinez

University of Puerto Rico Medical Sciences Campus, San Juan, Puerto Rico

Factors associated with mortality among patients requiring hospitalization for severe respiratory illness (SRI) in Kenya, 2022-2023

Brian Otieno Onyando, Bryan Nyawanda, Erick Muok, Raphael Anyango, Morine Achieng, Shirley Lidechi, Philip Ngere, Caroline Nasimiyu, Samuel Kadivane, Sultani Matendechero, Alex Awuor, Billy Ogwel, Nancy Otieno, Victor Akelo, Sidney Ogolla, Eric Osoro, Richard Omore

1Kenya Medical Research Institute, Centre for Global Health Research, Kismu, Kenya, 2Ministry of Health, Nairobi, Kenya, 3Washington State University, Moscow, Washington, USA
Pyrazolopyrrolidinones as potential chemotherapeutical small molecules against leishmaniasis

Leslye Torres-Avila¹, Pedro Borba¹, Francys Rangel¹, Gabriela Duarte¹, Jair L. Siqueira-Neto², John Kavouri³, Diana Diaz³, Scott Schaus³, Lauren Brown⁴, Camila I. de Oliveira⁴
¹FOCRUZ, Salvador, Brazil, ²UCSD, San Diego, CA, United States, ³Boston University, Boston, MA, United States

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

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

Leishmania infection-induced proteolytic processing of SIRPα in macrophages

Hana Hirai², Jing Hong³, Rikuto Watanabe¹, Wataru Fujii¹, Chizu Sanjoba¹, Yasuyuki Goto¹
¹The University of Tokyo, Tokyo, Japan, ²Nagasaki University, Nagasaki, Japan

Rectal immunisation with a non-pathogenic Leishmania elicits a specific Th1-biased response in BALB/c mice: prospects for enteral vaccination against leishmaniasis

Ilaria Varotto Boccazzi¹, Giulia M. Cattaneo¹, Noemi Guerrini¹, Riccardo Molteni¹, Paolo Gabrielli¹, Gianvincenzo Zuccotti¹, Emanuele Montomoli², Claudio Bandi¹, Sara Epis³
¹University of Milan, Milan, Italy, ²University of Siena, Siena, Italy

Heat exposure and congenital Chagas transmission

Matthew J. Ward
Icahn School of Medicine at Mount Sinai, New York, NY, United States

Specific Cryptosporidium antigens associate with reinfection immunity and protection from cryptosporidiosis

Carol A. Gilchrist¹, Joseph J. Campo², Jozelyn V. Pablo², Jennie Z. Ma³, Andy Teng³, Amit Oberai³, Adam D. Shandling³, Masud Alam³, Mamun Kabir⁴, ASG Faruque⁴, Rashidul Haque⁴, William A. Petri³
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

Dimethyloxalylglycine 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

Informing Malaria Social and Behavior Change Activities using Evidence-based research - Findings from Zanzibar Malaria Behavior Survey 2021

Mwinyi Issa Khamis¹, Waziri Nyoni¹, Mark Lwakate³, Theresia Mrema³, Naomi Serbantez³, Lulu Msangi³
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
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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 Ateili², 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. Cepeda¹, Ananias A. Escalante²
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 McPhail³, Julia Seitz³, 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 Puschhöf², Kim Boonemak², 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 Aung³, Myat Phone Kyaw², Wang Nguitrangool¹, Daniel M. Parker¹, Liwang Cui¹, 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, ²Division 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 Sousa¹
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
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LB-8412
Deciphering Malaria Anemia Mechanisms with Plasmodium yoelii 17XNL model

Keyla C. Tumas1, Fangzheng Xu1, Jian Wu1, Maricarmen Hernandez2, Siptiporn Pattaradiokrat1, Lu Xia1, Yu-chih Peng1, Angela Musu Laval1, Xiao He1, Brajesh K. Singh1, Cui Zhang1, Carolina Perecopo1, Chen-Feng Qi1, Suming Huang2, Carole A. Long1, Xinzhuang 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

Yeevel 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

Viennah Kapenda1, Bupe M. Kabamba1, Marie-Reine I. Rutagwera1, Chabu Kangale1, Patrick Nyendwa1, Melody Simaata1, Maximilian Musunse1, Webby Phiri1, Kapasa Sikazwe1, Caroline Phiri-Chibawe1, Ignatius Banda1, John M. Miller1, Jennifer Somtore2, Isaac Mwase1, 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, Brasilia, 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. Mobeghi4, Gerald Juma5, Rashid A. Madebe1, Misago D. Seth6, Celine I. Mandara5, Beatus M. Lyimo7, Rule Budodo7, David J. Giesbrecht7, DeFeo Rebecca8, Zachary R. Popkin-Hall6, Ramadan Moshi9, Ruth B. Mbwambo1, Daniel Mbwambo2, Sijenunu Aaron7, Abdallah Lusasi7, Samuel Lazaro7, Jonathan J. Juliano6, Jeffrey A. Bailey2, Deus S. Ishengoma1
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-PfRHS antibodies.

Kazutoyo Miura1, Ababacar Diouf1, Michael P. Fay1, Jordan R. Barrett1, Ruth O. Payne2, Ally I. Oluto3, 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 Mpofu1, Remy Ngo3, Ferdinand Ntosa2, Yibayiri Osee Sanogo3, Ruphin Mulungo1, 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
**Poster Session C Presentations**

**Saturday, October 21, 2023, 11 am - 12:45 pm**

**Grand Hall GHI – Ballroom Level (East Tower)**

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**LB-8419**

**Prophylactic malaria monoclonal antibody MAM01 showed extensive binding breath to Circumsporozoite protein repeat region epitopes**

<table>
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<tr>
<th>Authors</th>
<th>Institutions</th>
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<tbody>
<tr>
<td><strong>Kan Li</strong>¹, Shyam R. Sutariya², Derrick D. Goodman³</td>
<td>¹Duke University, Durham, NC, United States, ²Bill &amp; Melinda Gates Medical Research Institute, Cambridge, MA, United States, ³National Institutes of Health, Bethesda, MD, United States</td>
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**LB-8420**

**Vector abundance and landscape features across forested gold mining villages in the hottest malaria hotspot in Venezuela**

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<th>Authors</th>
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<tr>
<td><strong>Maria Eugenia Grillet</strong>¹, Abimel Moreno¹, Victor Sanchez², Nelson Moncada³, Napoleon Malpica³, Luis Petterson⁴, Jorge E. Moreno⁵, Jan E. Conn⁶</td>
<td>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 Autónomo Instituto de Altos Estudios Dr. Arnoldo Gabaldón, MPPS, Tumeremo, ³Bolivarian Republic of Venezuela, ⁴Wadsworth Center, New York State Department of Health, Albany, NY, United States</td>
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**LB-8421**

**Genetic diversity of Plasmodium helical interspersed subtelomeric (phistb) gene in Tanzania and neighboring countries**

<table>
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<th>Authors</th>
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<tr>
<td><strong>Ruth B. Mbwambo</strong>¹, Dativa Pereus¹, Ramadhan Moshi¹, Catherine Bakari¹, Misago D. Sethi¹, Celine I. Mandara¹, Rashid Madebe¹, Beatus M. Lymo², Jonathan J. Juliano³, Jeffrey A. Bailey⁴, Gerald Juma⁵, Benard Kulohoma², Deus S. Ishengoma²</td>
<td>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</td>
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**LB-8422**

**Structural activity relationship for resistance-breaking beta-carboline-3-carboxamide antimalarials**

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<tr>
<td><strong>Jopaul Mathew</strong>¹, <strong>Bo Zhou</strong>², Reagan S. Haney³, Kevin A. Kunz³, Leticia Do Amaral³, Rudraneel Roy Chowdhury³, Joshua H. Butler³, Amarraj J. Chakraborty³, Haibo Li⁴, Anika Tabassum⁴, Emily K. Bremers⁴, Emilio F. Merino⁴, Delphine Baud⁴, Stephen Brand⁴, Max Totrov⁵, Maria B. Cassera⁵, Paul R. Carlier²</td>
<td>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</td>
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**LB-8423**

**Defining the pharmacophore of 1-aryl-tetrahydro-beta-carboline-N2-amide antimalarials**

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<tr>
<td><strong>Hanan Almolhim</strong>¹, Emily K. Bremers², Leticia Do Amaral³, Scot M. Barry¹, Emilio F. Merino³, Max Totrov³, Maria B. Cassera³, ³Paul R. Carlier¹</td>
<td>¹Virginia Tech, Blacksburg, VA, United States, ²University of Georgia, Athens, GA, United States, ³Molsoft LLC, San Diego, CA, United States</td>
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**LB-8424**

**Precise barcodes for molecular mapping of cross-border vivax malaria**

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<tr>
<td><strong>Junhu Chen</strong>, Shenbo Chen, Haimo Shen</td>
<td>National Institute of Parasitic Diseases, China CDC, Shanghai, China</td>
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**LB-8425**

**Crossborder synchronized distribution of long-lasting insecticide treated nets aided by digital data collection in Senegal and The Gambia, 2022**

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<tr>
<td><strong>Latsouk Gnilane DIOUF</strong>¹, Momodou KALLEH², Balla KANDEH³, Medoune NDIOP³, Ibrahima DIALLO³, Doudou SENE³, Marie Felicite CISS³, Suegatha Kai RENNIE³, Aboubacar SADOU³, Alioune Badara GUEYE³</td>
<td>¹NMCP Senegal, Dakar, Senegal, ²NMCP Gambia, Banjul, Gambia, ³US President’s Malaria Initiative, Dakar, Senegal</td>
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**LB-8426**

**Using Evidence to Streamlining Seasonal Malaria Chemoprevention (SMC) Intervention in Far North and North Region of Cameroon**

Eric Diboulo\(^1\), Aissata Fofana\(^2\), Souleymanou Souleymanou\(^3\), Mohamadu Wringo\(^4\), Joel Ateba\(^4\), Marie Noelle Bissek\(^4\), Jean Pierre Kidwang\(^4\), Sal\(i\) Djele\(^4\), Jean-Marie Tsachoun\(^4\), Moïse Hugue René Abomabo\(^4\), Jean Fosso\(^4\), Dominique Bomba\(^4\), Junior Voundi\(^4\), E. Germaine Ekoyo\(^4\), Yazoumè Yé\(^1\)

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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

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**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

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**LB-8429**

**The leishmaniases in Kenya: a scoping review**

Hugh Shirley\(^1\), Grace Grifferty\(^2\), Katherine O’Brien\(^2\), Jason L. Hirsch\(^3\), Adrienne M. Orris\(^4\), Kiira L. Amechi\(^5\), Joshua Lo\(^6\), Neelakrishna Chanda\(^2\), Sarra El Hamzaoui\(^1\), Jrorda Kahn\(^2\), Samantha V. Yap\(^2\), Kyleigh E. Watson\(^2\), Christina Curran\(^2\), Amina Atef AbdelHamid\(^2\), Neeloy Bose\(^2\), Alissa Link Cilfone\(^2\), Richard Wamai\(^2\)

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**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

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**LB-8431**

**Urban Microclimate Monitoring to Support Malaria Transmission Modeling in the Gujarat State of India**

Michael C. Wimberly\(^1\), Rajendra Baharia\(^2\), Vikas Desai\(^3\), Vijay Kohli\(^4\), Ajeet Mohanti\(^5\), Mercedes Pascual\(^6\), Rajesh Sharma\(^4\), Sachin Sharma\(^7\), Keshav Vaishnav\(^8\), Courtney C. Murdock\(^9\)

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**LB-8432**

**Flooding and childhood immunization: Analysis of household survey and precipitation data in Sierra Leone**

Gaelle Tatiana Sehi\(^1\), Fassou M. Grovogui\(^2\), Peter M. Macharia\(^3\), Daniel M. Parker\(^4\)

\(^1\)University of California Irvine, Irvine, CA, United States, \(^2\)Mafeninyah Training and Research Center in Rural Health, Forêcariah, Guinea, \(^3\)Institute of Tropical Medicine Antwerp, Antwerp, Belgium

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**LB-8433**

**Vector surveillance in context of urban transmission and spread of Crimean Congo hemorrhagic fever virus (CCHF)**

Najia Ghanchi\(^1\), Kehkashan Imtiaz\(^1\), Joveria Farooqi\(^1\), Erum Khan\(^1\), Wesley C. Van Voorhis\(^2\), Rabinowitz Rabinowitz\(^2\)

\(^1\)Aga Khan university, Karachi, Pakistan, \(^2\)University of Washington, Seattle, WA, United States
Establishing a citizen science program to investigate triatomine bug diversity, ecologies, and Trypanosoma cruzi infection dynamics in the southwestern United States

Evan Teal, Richard Oxborough, Chad Cross, Caryn Bern, Jeffrey Whitman, Louisa Messenger
1 University of California, San Francisco, San Francisco, CA, United States, 2 University of Nevada, Las Vegas, Las Vegas, NV, United States

Anti breast cancer activity & molecular docking studies of constituents of Psorospermum guineense hochr, a Cameroonian medicinal plant of the Hypercaceae family

Ghansenyuy Salome Yuwong, Eyong Kenneth Oben, Yemback Pierre, Mehreen Lateef
1 University of Yaounde 1, Yaounde, Cameroon, 2 Bahria University, Karachi, Pakistan

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

Interactions between Water, Sanitation, and Hygiene (WASH) and mosquito dynamics in Kisumu County, western Kenya: Implications for diarrheal and mosquito-borne diseases

Noriko Tamari, Maurice Agawo, Flavia N. Miilo, Stephen Munga, Kacey C. Ernst
1 Department of Epidemiology and Biostatistics, Mel and Enid Zuckerman College of Public Health, University of Arizona, Tucson, AZ, United States, 2 Maseno University, Kisumu, Kenya, 3 Kenya Medical Research Institute (KEMRI), Centre for Global Health and Research, Kisumu, Kenya

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

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

First report of Anopheles stephensi in Southern Ethiopia

Dawit Hawaria Logita, Solomon Kibret, Daibin Zhong, Ming-Chieh Lee, Delenasaw Yewhalaw, Guiyun Yan
1 Hawassa University, Hawassa, Ethiopia, 2 East Valley Mosquito and Vector Control District, Ontario, CA, United States, 3 University of California, Irvine, CA, United States, 4 Jimma University, Jimma, Ethiopia

Ecology of Man-Biting Mosquitoes in Nnamdi Azikiwe University Hostels, Anambra State, Nigeria

Pauline Ukamaka Umeanaeto, Chidera Chiazornnadi, Kindness Chidi Irikannu, Ifebunandu Okwudilichukwu Nnatuanya, Chidiogo Comfort Nwadike
Nnamdi Azikiwe University, Awka Anambra State, Nigeria

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

Exploring Present and Future Threats of Vector-Borne Diseases and Opportunities for Transformation: A Spotlight on India and Brazil

1 Arctech Innovation, London, United Kingdom, 2 Aarhus University, Aarhus, Denmark, 3 Reckitt, Gurgaon, India
LB-8444

Larval source management for the control of Anopheles stephensi in Ethiopia: Entomological monitoring results

Meshesha Balkew\textsuperscript{1}, Gashu Fente\textsuperscript{1}, Melissa Yoshimizu\textsuperscript{2}, Anteneh Mitiku\textsuperscript{1}, Peter Mumba\textsuperscript{3}, Sheleme Chibsa\textsuperscript{1}, Gudissa Assefa\textsuperscript{4}, Achamyselesh Sisay\textsuperscript{1}, Gedeon Yohannes\textsuperscript{5}, Ephrem Abiy\textsuperscript{1}, Amha Worku\textsuperscript{1}, Kerri-Ann Guyah\textsuperscript{6}, Katie Tripp\textsuperscript{5}, Cecilia Flatley\textsuperscript{5}, Sarah Zohdy\textsuperscript{6}, Aklilu Seyoum\textsuperscript{5}, Dereje Dengela\textsuperscript{1}

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LB-8445

Biocentis: Gene drive inspired solutions for genetic pest and vector control

Andrew Marc Hammond, Matteo Rucco, Kyros Kyrour, Andrea De Antoni, Sumit Dhole, Dario Meacci, Philippus Kondylios, Ioanna Morianou, Giulia Monacchia, Giulia Morselli, Alessandro Bignardi, Nadia Davis

Biocentis, Terni, Italy

LB-8446

Itegenia and pgSIT in Anopheles gambiae: novel daughter-killing, genetic sexing, and male sterilization systems for scalable, non-driving, vector control

Andrea Lynelle Smidler\textsuperscript{1}, Reema Apte\textsuperscript{1}, James Pai\textsuperscript{1}, Martha Chow\textsuperscript{1}, Sanie Chen\textsuperscript{1}, Agastya Mondal\textsuperscript{2}, Hector Sanchez\textsuperscript{2}, John Marshall\textsuperscript{2}, Omar Akbari\textsuperscript{1}

\textsuperscript{1}UCSD, San Diego, CA, United States, \textsuperscript{2}UC Berkeley, Berkeley, CA, United States

LB-8447

Exposure to infective mosquito bites in spite of high long lasting insecticidal net coverage in Western Kenya

Zena Lapp\textsuperscript{1}, Lucy Abel\textsuperscript{2}, Evans Omondi\textsuperscript{1}, Emmah Kimachas\textsuperscript{2}, Eric Nalianya\textsuperscript{3}, Joseph Kipkoech\textsuperscript{2}, Emily Robie\textsuperscript{1}, Tabitha Chepkwoy\textsuperscript{2}, Linda Maraga\textsuperscript{2}, Mark Amunga\textsuperscript{2}, Judith N. Mangeni\textsuperscript{4}, Steve M. Taylor\textsuperscript{1}, Wendy Prudhomme-O’Meara\textsuperscript{1}, Andrew Obala\textsuperscript{4}

\textsuperscript{1}Duke University, Durham, NC, United States, \textsuperscript{2}AMPATH, Eldoret, Kenya, \textsuperscript{3}Duke Global Inc, Nairobi, Kenya, \textsuperscript{4}Moi University, Eldoret, Kenya
Tackling Chagas Disease: Advancements in AI-Based Parasite Detection Algorithm

Lin Lin1, Brandon Callisaya2, Ana Valeria Solano2, Fabiola Gonzales2, Mary Cruz Torrico1, Daniel Illanes2, Nuria Diez1, David Bermejo-Peláez1, Elena Dacal1, Carla Caballero1, Oscar Darias3, Alexander Bakandjev1, Maria Postigo1, María Jesús Ledesma-Carbayo1, Miguel Luengo-Oroz3, José M. Rubio1, María Flores-Chavez1

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2Universidad Mayor de San Simón, Cochabamba, Plurinational State of Bolivia
3Spotlab, Madrid, Spain

Field Forward Approach to Pathogen Testing in Ticks From Turkania, Kenya

Mary Chege1, Yvonne-Marie Linton2, Rashid Lebunge2, Griphn Ochieng3, Abigail Lilak2, Janerose Muthariga1, Nora Cleary4, Graham Matulis1, Kaya Perelman5, Grace Lee1, James Hassell1, Michael von Fricken4

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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

Portable Mobile-Based Microscope Scanner: A Case Study for Onchocerciasis Whole Slide Digitization

Jaime García-Villena1, Ethan Recalde-Jaramillo2, Daniel Cuadrado1, Isabel Bravo1, Samuel Degraff Mensah3, Nicholas Opoku4, Maxwel Akanburichaab1, Cecilia Afy Krampah1, Manel Edem Agbogah5, Abdul Rashid Adams5, Lin Lin2, David Bermejo-Peláez1, Elena Dacal1, Abdulai Mahmod Seidu1, Christopher L. King5, Miguel Luengo-Oroz1

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4Department of Epidemiology and Biostatistics, School of Public Health, University of Health and Allied Sciences, Hohoe, Ghana
5Department of Pathology and Medicine, Case Western Reserve University, Cleveland, OH, United States
Poster Session C Presentations
Saturday, October 21, 2023, 11 am - 12:45 pm
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**LB-8455**

**Collaborative Research Workshop on Generative AI: Exploring the Potential of Large Language Models in Global Health**

Elena Dacal¹, David Bermejo-Peláez², Lin Lin³, José M. Rubio⁴, Gloria Dada Chechet⁵, Sobha El Ftouh⁶, Sara Arias⁷, Aman Moussa⁸, Mary Cruz Torrico⁹, Fabiola Gonzales¹⁰, Ana Valeria Solano¹¹, Daniel Illanes¹², Juan Carlos Rozo-Anaya¹³, Maria Flores-Chavez¹⁴, Jaime García-Villena¹, Daniel Cuadrado¹, Oscar Darias¹, Maria Postigo¹, Ramón Vallés-López¹, Nuria Diez¹, 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, Mubarakia Kiyira³, Hellen Aanyu⁴, Emmanuel Batibwe⁵, Daniel Kiza⁶, Bruce Kirenga⁶, Vamsi Vasireddy⁶, Peter Waitt¹, Henry Kyobé⁷, 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 Ediagbe¹, Mathurin Dodo², Noella Umulisé³, Eric Tchinda Meli⁴, Aissata Fofana⁵, Wirngo Mohamadou⁶, Olivier Palata⁷, Djélé Sali⁸, Ateba Joel⁹

¹U.S. President’s Malaria Initiative Impact Malaria Project, Yaoundé, Cameroon, ²U.S. PMI Impact Malaria project, Jhpiego, Baltimore, MD, United States, ³U.S. President’s Malaria Initiative, USAID, Yaoundé, Cameroon, ⁴National Malaria Control Program, Ministry of Public Health, Yaoundé, Cameroon

**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 Garcia⁶, Rashidul Haque³, Jeffrey R. Donowitz⁷

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Poster Session C Presentations
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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. Twimomuhwezi1, Winfred N. Nakato1, Conrad Tumwine1, Angella N. Kisirisa1, Jane F. Gibudu2, Alexandra Tuttle2, Rebecca Casey2, Susan Y. Chu2, Reena H. Doshi3, Andrew Kambugu4, Irene R. Lubega1

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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 Malkovich1, Andrew Killianski2

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LB-8462

Prevalence of malaria infection and gametocyte carriage in adults and children aged 10 years and above in Ouelesssebougou, Mali.

Koualy Sanogo1, Makonon Diallo1, Seydina O. Maguiraga1, Oumar M. Dicko1, Sekouba Keita1, Sidi M. Niambélé1, Ahamadou Youssouf1, Siaka Samake1, Sire dit R. Diarra1, Yaya Sankare1, Adama Sissoko1, Adam Dembélé1, Patrick C. Willknap Okedy1, Merel Smit2, Leen Vanheer1, Almahamoudou Mahamar1, William Stone1, Teun Bousema2, Chris Drakeley1, 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 Najjengo2, Ellon Twimomuhwezi 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, Irene R. Lubega1

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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 Kimbowa3, Moses Sembaty3, Elii Leontsini3, Jane Alaii4, Ruth Musekura5, Pearl Kobusingye2, Lyndsey Mitchum1, Arzum Ciloglu1, Leanne Wolff3, Glory Mkandawire2, Joel Kisubi5, Sheila Nyakwezi5, Rukia Nakamatte5, Jimmy Opigo5, Sharminah Kawuma3, Richard Kabanda3, Judith Nalukwago2

1Johns Hopkins Center for Communication Programs, Baltimore, MD, United States, 2USAID Social and Behavior Change Activity, Johns Hopkins Center for Communication Programs, Kampala, Uganda, 3Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, 4Simba Educational Consultants, Nairobi, Kenya, 5US President’s Malaria Initiative, USAID, Kampala, Uganda, Uganda, 6National Malaria Control Division, Ministry of Health, Kampala, Uganda, Kampala, Uganda, 7Department of Health Promotion, Education and Communication, Ministry of Health, Kampala, Uganda, Kampala, Uganda

LB-8465

Building Laboratory Capacity for Multiplex PCR Testing as Part of the Integrated Pan-Respiratory Virus Surveillance in the Philippines

Catherine Calzado Dacsain, Vina Lea Arguelles, Marie Theres 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
**Poster Session C Presentations**
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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 Dyel, Lisette Alcántara Sanchez1, Esteban Avendaño-Fernández1, Adriana Troyo Rodríguez2, Ivelisse Rivera1
1University of Rochester School of Medicine and Dentistry, Rochester, NY, United States, 2Universidad de Costa Rica, San José, Costa Rica

**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 Banik3, Anne-Laure Le Ny2, Matthew D. Keller4, Luis F. Alonzo5, David Bermejo-Peláez2, Daniel Cuadrado2, Elena Dacal Picazo3, Jaime García Villena3, Miguel Luengo Oroz2, Isaac I. Bogoch1, Daniel A. Fletcher1
1University of California, Berkeley, Berkeley, CA, United States, 2Global Health Labs, Bellevue, WA, United States, 3Spotlab, Madrid, Spain, 4University Health Network (UHN) University of Toronto, Toronto, ON, Canada

**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 Cherry-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 Dombia, Salia Diarra, Salia Diarra, Dramane Soboga, Abdoulaye Napo, Seydou Diallo, Soukalo 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 Dompreh2
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, Kazuhiro Nakahara1, Kumi Tamura1, Tetsuya Horino1, Yasushi Nakazawa1, Hirotaka Kanuka1, Masaki Yoshida1
1The Jikei University School of Medicine, Department of Infectious Diseases and Infection Control, Tokyo, Japan, 2The Jikei University School of Medicine, Department of Tropical Medicine, Tokyo, Japan

**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 Bitun5, Lindy Samson5, Stanley Read5, Hugo Soudyens5, Michael T. Hawkes6
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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-Colmenares, Neiza Vargas, José Camones-Huerta, Lucero Mascaro-Rivera, Andrea Diestra, Amelia Lopez-Alva, Lucero Merino-Castañeda, Lila Cabrera, Robert Gilman, Martiza Calderon, Monica J. Pajuelo
1Universidad Peruana Cayetano Heredia, Lima, Peru, 2Johns Hopkins University, Baltimore, MD, United States

**LB-8477**

Combined Oro-facial Complications Of Herpes Zoster Infection In An Elderly: A Case Report And Review Of Literature

Afeez Salami, Ijeboineh 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

1The Aga Khan University, KARACHI, Pakistan, 2London School Hygiene and Tropical Medicine, London, United Kingdom, 3ART Treatment Center Shaikh Zayed Childrens Hospital Larkana Department of Health Sindh, Larkana, Pakistan, 4ART Treatment Center Taluqa Hospital Ratodero Department of Health Sindh, Larkana, Pakistan, 5Director Communicable Disease Control Department of Health Sindh, KARACHI, Pakistan, 6UNICEF, New York, NY, United States, 7UNICEF International, New York, NY, United States, 8UNICEF Pakistan, KARACHI, Pakistan, 9The London School of Hygiene and Tropical Medicine, London, United Kingdom

**LB-8479**

Longitudinal and Cross-sectional Analyses of Asymptomatic HIV-1 Malaria Co-infection in Kisumu County_Kenya

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 Viprasrinimit, Richard J. Maude, Rapeeph R. Maude
1Department of Medicine, Faculty of Medicine Ramathibodi Hospital, Bangkok, Thailand, 2Mahidol Oxford Tropical Medicine Research Unit, Bangkok, Thailand

**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 Bahova, Luc Armel Nkala Mfolou, Asma Qureshi, Sandra Djalle Incardone, Colonel Brice Angwe Eboye, Colonel Laurette Mangouka, Colonel Josiane Ada Nkahi, Commandant Landry Nzamba Maganga
1MCD Global Health, Silver Spring, MD, United States, 2Gabon’s Military HIV/AIDS Program (PMLS), Libreville, Gabon

**LB-8482**

Understanding Mobile Health Readiness by Mapping Cellular Network Coverage Across 4 Counties in Western Kenya

Carson Paige Moore, Natalie Robbins, Maurice Odiere, Kennedy Andiego, Meredith Odhiambo, Gladys Odhiambo, Fredrick Rawago, Thomas Scherr
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

1RTI International, Kampa, Uganda, 2Ministry of Health Uganda, Kampala, Uganda, 3Ministry of Health, Kenya, Turkana, Kenya, 4Moroto District Local Government, Moroto, Uganda, 5RTI International, Cambridge, United Kingdom
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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 Renaud Fayette1, Alain Javel1, Eurica Denis1, Uder Antoine1, Amy Veinoglou2, Marc Aurèle Telfort3
1RTI International, Port-au-Prince, Haiti, 2RTI International, Washington DC, DC, United States, 3Ministry of Public Health and Population, Port-au-Prince, Haiti

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 Haikali3, Claudia Di Lorenzo Oliveira4, Clareci Silva Cardoso5, Ana Luiza Bierenbach5, Ariela Mota Ferreira5, Nayara Dornela Quintino5, Nayara Ragi Baldoni6, Renata Fiuzia Damasceno7, Ana Carolina de Oliveira Gonçalves4, Malu Ribeiro Drumond9, Thaílyta Maria Vieira10, Andrêa Brito de Souza10, Dardiane Santos Cruz10, Sâmara Fernandes Leite10, 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

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, Ambakiisey Mhiche1, Evangelina Chihoma1, Casmil Masayi1, Ezekiel Moirana2, Shabbir Lalji1, Julius Masanika1
1Research Triangle Institute (RTI) International, Dar es Salaam, United Republic of Tanzania, 2The National NTDs Control Program, Ministry of Health, Dodoma, United Republic of Tanzania

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 Beltrán2, Laura Ferradino3, Sebastián Cañón4, Mirko Rojas Cortez2, María J. Pinazo5, JoaquimGascon6, Kenji Hirayama5, Antonieta Rojas de Arias6, Faustino Torrico7, Marcelo Abril8, Julio Alonso-Padilla9, Alejandro G. Schijman1
1INGEBI-CONICET, Buenos Aires, Argentina, 2ISGlobal, Barcelona, Spain, 3CEADES, Cochabamba, Plurinational State of Bolivia, 4Fundación Mundo Sano, Buenos Aires, Argentina, 5Nagasaki University, Nagasaki, Japan, 6CEDIC, Asunción, Paraguay

LB-8490

Traditional fermented vegetable diet improves hematological markers in rural Pakistani women of reproductive age

Sumbal Hafeez Haris, Najeeha Talat Iqbal, Junaid Iqbal, Faria 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 Menduiña2, Jean Karla Velarde1, Clariza Chavez1, Sydney Puerto_Meredith3, Robert Gilman4, Natalie Bowman5
1PRISMA - Johns Hopkins University, Santa Cruz, Plurinational State of Bolivia, 2Percy Boland Women´s Hospital, Santa Cruz, Plurinational State of Bolivia, 3UNC School of Medicine, North Caroline, NC, United States, 4Johns Hopkins University, Baltimore, MD, United States, 5University of North Carolina, North Caroline, NC, United States

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.

Ndaye M. Kane1, Rose Monteil2, Kisito Ogoussan3
1NTD Program-Ministry of Health Senegal, Dakar, Senegal, 2Family Health International (FHI360), Dakar, Senegal, 3Family Health International (FHI360), Washington, DC, United States

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
1Aga Khan University, KARACHI, Pakistan, 2National Institute of Child Health, Jinnah Sird Medical University, KARACHI, Pakistan, 3Sabin Vaccine Instite, Washington, DC, WA, United States

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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LB-8495

Obesity, diabetes, and malaria: systematic review and meta-analysis

Hyelan Lee1, Yongyeon Choi1, Sangshin Park1, Yeonjin Lee2
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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 Arnaitwe3, Isabel Rodriguez-Barraquer4, Bryan Greenhouse5, 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 Mbulli Ali1, Ana Chopo-Pizarro2, Emma Filtenborg Hocke2, Valery Pacome K. Tchuenkam2, Peter Thelma Ngwa Niba1, Akindeh Mbu Nji1, Jude D. Bigoga1, Andria Mousa2, Colin J. Sutherland2, Helle Smedegaard Hansson3, Khalid B. Beshir2, Michael Alifrangis2, Cally Rooper3, Wilfred F. Mbacham1
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LB-8498

In vivo study to monitor the sensitivity of Plasmodium falciparum and other species to Pyronaridine-artsunate and Artemether-lumefantrine in Niger.

Bakary Fofana1, Souleymane Brah2, Mamane Daou2, Amadou H Togo1, Amadou Bamadio1, Traore Aliou1, Issaka Sagara1, Alassane Dicko1, Jean Bosco Ouedraogo2, Abdoulaye Djimde1, Eric Adehossi2
1MRTC/FAPH/USTTB, Bamako, Mali, 2University About Moumouni Niger, Niger, Niger, 3INSTech, Bobo Dioulasso, Burkina Faso, Bobo Dioulasso, Burkina Faso

LB-8499

Impact of sickle cell trait on Plasmodium spp. infection in a Malian malaria endemic population

M’Bouyé Doucoure1, Amatigue Zegueme1, Boucary Ouolouguem1, Sidiki Perou1, Aliaye Tolo1, Abdoulaye Katile1, Bourama Kamate1, Moussa B Kanoute1, Bakary Dao1, Drissa Dembele1, Bayaya Haidara1, Ousmane Abel Poudiougo1, Moussa Tienta1, Karim Bengaly1, Justin Doritchamou2, Jen Hume2, Boubacar Traore1, Jordyn Gamiel1, 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 Vinicius Guimarães Lacerda2, Pavandeep Bilku3, Carolina Duarte3, Joana-Gabriela Fíta4, Felix Jackson3, Siôn Jones3, Ana Martin3, Marcia Rangel3, Katie Rolfe1, Alex Teckkam3, Roberto Zajdenverg3, Anup Pingle3
1Centro de Pesquisa em Medicina Tropical de Rondônia, Porto Velho, Brazil, 2Fundação de Medicina Tropical do Amazonas, Manaus, Brazil, 3medDigital, London, United Kingdom, 4GSK, London, United Kingdom, 5GSK, Rio de Janeiro, Brazil, 6GSK, Stevenage, United Kingdom, 7GSK, Mumbai, India

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. Ondenge7, R. Sabu8, P. Wafula9, R. Kiplagat10, 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 Calle3, Hugo Rodriguez Ferrucci3, Gabriel Carrasco Escobar3, Jade Benjamin-Chung3, Adam Bennett3, Sarah Auburn3, Ric Price3, Bryan Greenhouse4, Kevin Baird4, Gonzalo Domingo5, Michelle Roh1, Angel Rosas Aguirre6, Alejandro Llanos Cuentas2, Michelle Hsiang4
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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
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**LB-8505**

Cardiac safety of dihydroartemisinin-piperaquine 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. Mosha1, Reginald A. Kavishe2, Frank Mosha2, Alphaxard Manjurano3, Iraseni Swai2, Third Mpende2, Pascal Voiriot4, Helen Demarest5, Andre Marie Tchouatieu5, Stephan Duparc5, Georgia R. Gore-Langton6, Daniel Chandramohan6, R. Matthew Chico5
1National Institute for Medical Research, Mwanza, Tanzania, Mwanza, United Republic of Tanzania, 2Kilimanjaro Clinical Research Institute and Kilimanjaro Christian University Medical College, Moshi, United Republic of Tanzania, 3National Institute for Medical Research, Mwanza, United Republic of Tanzania, 4Cardiabase Banook Group, Nancy, France, 5Medicines for Malaria Venture, Geneva, Switzerland, 6London School of Hygiene & Tropical Medicine, London, United Kingdom

**LB-8506**

Uncorrected Efficacy of arteether-lumefantrine for the treatment of uncomplicated Plasmodium falciparum infection in Rwanda, 2022

Naomi W. Lucchi1, Noella Umulis2, Jean Modeste Harerimana1, Celestin Nitrandeka3, Kaendi Munguti1, Beata Mukarugwiro3, Aimable Mbituyumuremyi4, Aline Uwimana4
1Centers for Disease Control and Prevention, Atlanta, GA, United States, 2Jhpiego, Kigali, Rwanda, 3USAID/President’s Malaria Initiative, Kigali, Rwanda, 4Malaria and Other Parasitic Diseases/Rwanda Biomedical Center, Kigali, Rwanda

**LB-8507**

Changes in acquired immunity to P. falciparum Sexual Stage Antigens following Treatment with transmission blocking drugs in individuals from Ouelessebougou, Mali

Helena Brazal Monzól, Almahamoudou Mahamar2, Merel J. Smit3, Sidi M. Niambele2, Kjerstin Lankë2, Koualy Sanogo2, Oumar M. Dicko2, Siaka Samake2, Adama Dembele2, Makonon Diallo2, Seydina O. Maguiraga2, Yaya Sankaré2, Sekouba Keita2, Cohen Govender3, Ema Begum1, Leen Vanheer1, Katie Patterson1, Elin Dumont1, Chris Drakeley1, Teun Bousema1, Alassane Dicko2, William Stone1
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**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 COUAOU-ZOTTI, Saka KPNOU, 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. Alpha1, D. Harding3, Z. Koroma4, E. Yamo1, L. Teklemichael5, C. C. Can6, J. Buekens6, A. Kamara7, J. Niemczura5, N. Whitehurst8, I. Mugasa1
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
Results of the Tafenoquine Rollout STudy in Brazil - a real-world feasibility study of over 6000 patients


1 Fundação de Medicina Tropical Dr Heitor Vieira Dourado, Manaus, Brazil, 2 Centro de Pesquisa em Medicina Tropical de Rondônia, Porto Velho, Brazil, 3 Universidade do Estado do Amazonas, Manaus, Brazil, 4 Medicines for Malaria Venture, Geneva, Switzerland, 5 Brazilian Ministry of Health, Brasília, Brazil, 6 Fundação de Vigilância em Saúde, Manaus, Brazil, 7 Global Health Strategies, Rio de Janeiro, Brazil, 8 University of Texas Medical Branch, Galveston, TX, United States

IgG1 and IgG3 binding antibodies and avidity index associate with protection from malaria infection in R21 CHMI trial

Aaron W. Deal, Rachel Spreng, Kelly Seaton, Alexander Carnachii, Angelina Sharaki, Allison Schechter, Sheetij Dutta, Umar Qureshi, Sarah Mudrak, Katie Ewer, Adrian Hill, Georgia Tomaras

1 Duke University, Durham, NC, United States, 2 Walter Reed Army Institute of Research, Silver Spring, MD, United States, 3 University of Oxford, Oxford, United Kingdom

Malaria Vector Surveillance In Ghana: Empowering District Health Units For Data Collection

Otubea Owusu Akrofi, Christian Atta-Obeng, Ernest Boampong, Keziah L. Malm, Andy Asafu-Adjae, Samuel Kweku Dadzie

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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-Costa, Heloísa Ferreira Pinto Santos, Patrícia Mello Andrade, Ana Carolina Castro de Jesus, Caroline dos Santos Soares, Ana Caroline Campos Aguiar, Jaime Louzada, Joseli Oliveira-Ferreira, Martha Cecilia Suarez Mutis, ANDRE SIQUEIRA

1 UNIVERSIDADE FEDERAL FLUMINENSE, Niterói, Brazil, 2 FIOCRUZ, Rio de Janeiro, Brazil, 3 Universidade Federal de São Paulo, Santos, Brazil, 4 Universidade Federal de Roraima, Boa Vista, Brazil

Dynamics of Insecticide resistance monitoring in mainland Tanzania from 2004 to 2020 and its implication to LLINs efficacy

Patrick K. Tung
National Institute for Medical Research, Tanga, United Republic of Tanzania

Severe malaria at the end of transmission season in urban and rural setting in of Koulikoro, Mali

Daouda Sanogo, Foussyeni Kane, Soumba Keita, Mahamoudou Toure, Jeffrey G. Shaffer, Seydou Doumbia

1 University Clinical Research Center, Bamako, Mali, 2 Tulane University, school of Public Health, New Orleans, LA, United States, 3 University of sciences, tech and technology of Bamako, Bamako, Mali

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 Chimal, Samuel Scarpino, Megan McLaughlin, Ezra Mount-Finette, Lynn Metz, Nirmal Ravi, Shawna Cooper, Sam Smedinghoff, David Hattery, Yongshao Ruan, Barry Finette

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**Poster Session C Presentations**
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**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 Hamapumbu1, Michael Musonda3, Tamaki Kobayashi1, Precious Mwaanga1, Ben Katowa1, Timothy M. Shields1, Andre Hackman1, Amy Wesolowski2, Edgar Simulundu2, Douglas E. Norris1, William J. Moss1

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**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. Bogoy2, David A. Fidock1

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**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 Katoiro1, Victor Asua1, Bienvenu Nsengimaana1, Stephen Tukwasibwe1, Francis Ddumba1, Shreya Garg2, Shahid Ilyaja1, Monica Mbabaizi1, Diana Kabale1, Samuel L. Nsoyab1, Moses R. Kamya1, Isaac Ssewanyana1, Andres Aranda-Diaz2, Bryan Greenhouse2, Jeffrey A. Bailey1, Philip J. Rosenthal1, Jessica Briggs2, Melissa Conrad2

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**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 (LDI) among children in Tanzania.

Sylvia Jebiwott1, Nicolas Gutapaka2, Deborah Sumari2, Georg Loss3, Thabit Athuman2, Jane Nyandele2, Hannah Sans1, Mwajuma Chembaa1, Jabe Benjamin-Chung2, Gangar Pamela1, Xue Wu1, Jennifer Smith1, Ingrid Chen1, Bryan Greenhouse1, Grant Dorsey1, Günther Fink2, Ally Olotou2, 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 Bouachaud1, Manfred Accrombessi2, Katelyn Woolheater1, Erica Wang1, Catharine Hurley1, Cyprien Zinsou1, Ghyslain Guedegbe1, Stephen Poyer1


**LB-8523**

Exploring the efficacy of attractive targeted sugar baits as an intervention against malaria

Nima Moghaddas1, Mohamed M. Traore2, Christen Fornadel1, Thomas S. Churcher1

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**LB-8524**

PFSPZ Vaccine efficacy against malaria and immune responses impacted by COVID-19

James G. Kublin1, Elizabeth Duke1, Dianna Hergott1, Gift Nwanne1, Sean Murphy1, Jonathan Herman2, Benjamin Kellman3, Thomas Richie4, Preston Church4, Stephen Hoffman3

1Fred Hutch, Seattle, WA, United States, 2University of Washington, Seattle, WA, United States, 3Harvard, Boston, MA, United States, 4Sanaria, Rockville, MD, United States
Afnan Nuruzzaman1, David K. Dosoo2, Dennis Adugyasi2, 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 Gerlovin1, Sophia Maxfield1, Charles Le1, Kevin Tetteh2, Isaac Sswenyana3, Yaobao Liu4, Jun Cao4, Christopher King5, Lenore Carias4, Frances Ndungu4, Rie Nakajima6, Aarti Jain7, Phil Felgner7, Ivo Mueller7, Chris Drakeley8, 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

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University of Washington, Seattle, WA, United States
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 Kabore1, Leon Tinnoga Sawadogo4, Felix Lompo5, Amariane Kone1, Hervé Mwinone Hien1, Bassirou Bonfoh6, Kennedy Kwasi Addo2, Adrien Marie-Gaston Bellem7, Clement Ziemlé Meda1, Roch Konbo Dabiré8, Jonathan Hoffmann9, Matthieu Perreau10, Potiandi Serge Diagbougah11

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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 Coulibaly2, Isaac Koloma1, Mohamed Nantoumè1, Mariam Coulibaly1, Mamadou Perou1, Behinan Gnipo Janvier Stephane1, Bassirou Diarra1, Moumine Sanogo1, Ayoub Diarra1, Mamadou Diakité1, Souleymane Diallo1, Yacouba Toloba1, Robert L. Murphy2, William R. Bishai3, Sabra L. Klein4, Jane L. Holf5, Seydou Doumbia1

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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

Comparative effectiveness of interventions for preventing tuberculosis: A Bayesian network meta-analysis of randomized controlled trials

Alemneh Mekurial Liyew
Curtin University, Perth, Australia

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

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. King1, Ronnie Ndizeye2, Emmanuel Baguma2, Ross M. Boyce1, Edgar M. Mulogo2

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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 Oduro Ansah1, Samuel Tomilola Oladokun1, Abraham Rexford Oduro2, DANIEL WEIBEL3, MIRIAM STURKENBOOM3

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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, Sayara Banu¹, Christopher Lwanga³, Gazi Md Salahuddin Mamun¹, James A. Berkley⁵, Shamsun Nahar Shaima¹, Judd L. Watson⁶, Tahmeed Ahmed¹, Christina L. Lancioni⁷

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**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 Croda¹, Jason Andrews¹

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**LB-8540**

**COVID Deaths among COVID-19 Patients in Nagaland, India, July 2020 - March 2022**

Takujungla Jamir¹, Nyanthung Kikon², John Kemp², Asena Lemtur³, Ebenezer Phesao³, Impokchala Jamir², Urshela Punanamai², Tsukjemangla Jamir³, Kevi Belho³, Akhrie Losou³, Venatalu Nienu², Njile Kemp³, Roselyn Lasuh³, Sheila Longkumer³, Longri Kichu³, Mehnaz Parvez³


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**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 Mailhi², Charles R. Barton¹, Hunter M. Martin¹, Christopher M. Turner¹, Xinyi Hua¹, Kin On Kwok³, Gerardo Chowell², Isaac Chun-Hai Fung³

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**LB-8542**

**SARS-CoV-2 transmission potential in Delaware, March 2020-August 2022**


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 Sagara³, Mamady Kone¹, Mahamadoun Hamady Assadou¹, Abdoulaye Kattle¹, Halimatou Diawara¹, Djibrilla Issiaka¹, Gaoussou Santara¹, Moussa Traore¹, Oumar M. Dicko¹, Sidi M. Niambele¹, Almahamoudou Mahamar¹, Bourama Kamate¹, Bayaya Haidara¹, Kourane Sissoko¹, Seydou Sankare¹, Sadio Diarra dite Koni¹, Amatigue Zeguime¹, Boubacar Dembele¹, Emily Higbee², Rathy Mohan², Justin Doritchamou², Irfan Zaidi², Jennifer Kwan², Alyssane 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 Zarić2, Kent Kester3, Ayesha Sitiani4, Arianna Marini2
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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 Hutter3, Christine Lee2, Melanie D. McCauley1, Ivelise Guzman1, Chris Bryant1, Sarah McGuire1, Jessie Kennedy1, Wei-Hung Chen1, Agnes Hajduczi1, Paul Thomas1, Elizabeth Martinez1, Anais Valencia-Ruiz1, Miheret F. Amare1, Gary R. Matyas2, Mangala Rao2, Ricardo Carrión2, Viraj Kulkarni2, Jean Patterson3, Monica L. Martin2, Vincent Dussupt3, Kathryn L. McGuckin-Wurtz2, David Montefiori4, Leonid Serebryannyy4, Adrian B. McDermott4, Sheila A. Peel1, Natalie D. Collins1, M. Gordon Joyce1, Nelson L. Michael1, Sandhya Vasan1, Kayvon L. Modjarrad1
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
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LB-8548

Community in acceleration of Covid-19 vaccination in Sédhiou, southern Senegal: Strategy, cost analysis, lessons learned

Amadou Yéry Camara1, Astou DIOUF2, SAMBA NDIAYE1, El Hadji Diop1, MAMADOU IBRAHIMA NDIAYE1, MAMADOU SOUMARE NDIAYE1, ALGAYE NGOM2, CHEIKH GASSAMA2
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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 Mateos3, Vilma C. Bekker2, Alejandro S. Cruz2, Miguel A. Cortes2, Lucero Delgado3, Akousa Agyeman4, Silke Gastine5, Liliana Favari1, Andrew Owen5, Hakim M. Dehbi2, Carlos Hoyo1, Joseph S. Standing2, Gisela Aguirre2, Jorge Escobedo2
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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 Hedef³, Ayten Öz Kamiloglu⁴, Oliver Klemens⁴, Erik Lattwein⁴, Konstanze Stiba⁵, Julia M. Klemens⁵, Sandra Saschenbrecker⁵, Gulay Korukluoglu⁵
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**LB-8552**

Longitudinal evaluation of chikungunya disease in an age-stratified cohort in southern Thailand

Aaron Farmer¹, Darunee Buddhar¹, Taweewun Hunsawong¹, Sarunyoo Chusri², Pasuree Sangsupawanich³, Steven Stoddard⁴, Kathryn Anderson⁵, Stefan Fernandez⁶
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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 Gregorova¹, Tam Thi Hoai Dong¹, Nguyet Minh Nguyen¹, Vi Thuy Tran¹, Duyen Thi Le Huynh¹, Marianna Santopaoło¹, 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 Pang³, Suely Tuboi³, Eric Lloyd³, Vianney Tricou³, Nicolas Folschweiller³, Sanjay S. Patel⁴
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**LB-8555**

6-month Safety and Immunogenicity follow-up of an Investigational Yellow Fever Vaccine in Adults

Emmanuel Feroldi¹, Kawser Talaat², Chen Sabrina Tan¹, Kristopher Paolino³, Srilatha Edupuganti⁴, Matthew H. Collins⁵, Sarah George⁵, Matthew Davis⁶, Brandon Essink⁷, Robert Jeanfreau⁷, James Peterson⁷, David Fried⁸, Andrey Rojas⁹, Joanna Korejwo¹, Tiffany Machabert¹, Marine Dufournet¹, Haritha Adhikara², Louis Devlin¹, Ada Maria Minutello¹, Carina Frago¹, Mark Mulligan¹
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**LB-8556**

New biomarkers to measure Aedes exposure and their association with dengue disease status.

Sophana Chea¹, Laura Willen², Sreynik Nhek³, Kevin Tang⁴, Alyana Ponce⁴, Claudio Meneses⁵, Rekol Huy⁶, Rithea Leang⁷, Somnang Man⁷, Chanthap Lon⁷, Jessica E Manning⁷, Fabiano Oliveira⁸
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**Poster Session C Presentations**
Saturday, October 21, 2023, 11 am - 12:45 pm
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**LB-8557**

**Serologic and antigenic response profiles following vaccination with the tetravalent dengue vaccine TAK-003 in a phase 2 randomized controlled study**

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**LB-8558**

**Comparison of disease induced by large-particle aerosol exposure to Nipah virus Malaysia or Bangladesh on green monkey**

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**LB-8559**

**Long-term Persistence and Phenotype of T-cell Responses to Tetravalent Dengue Vaccine**

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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

**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 Coachin¹, Cameron Adams², Laura White², Aravinda de Silva², Anna Lena Lopez³, Jacqueline Deen³

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**LB-8562**

**NITD-688, a dengue NS4B inhibitor with pan serotypic activity**

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Comparison of the XgBoost model and the Logistic model for the prediction of hospitalization due to Dengue in Cali, Colombia.

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Healthcare-seeking delays among dengue patients recruited in a sentinel surveillance system in Puerto Rico after the COVID-19 pandemic

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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

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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.

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Lassa Lookback: Expanding opportunities for the detection of Lassa virus in returning travellers

Helen Callaby¹, Ashley Otter², Jennifer Warner³, Sebastian Millward², Silvia DACangelo², Elizabeth Truelove², Jenna Furneaux³, Jane Osborne², Tim Brooks², N Claire Gordon², Tommy Rampling³, Catherine F. Houlihan³
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