WELCOME TO ATLANTA!

“I wish I could clone myself in order to attend all talks…”

“One session and I’m already amazed”

“My first time at ASTMH… Absolutely loving it”

“Plasmodium Rocks!”

“Amore science!”

“Go vector biologists!”

“Brilliant presentations; great camaraderie”

“Worms rule!”

“I traveled 26,000 miles to attend the Annual Meeting”

“#TropMed15 fascinating time! Here’s to #TropMed16”

“Genetically modified mosquitoes – fascinating!”

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Please note...

Miss a session? Webcast Library from Image Audiovisuals
Can’t figure out how to be in two places at once? Problem solved! As part of the Annual Meeting registration fee, all attendees will receive access to audio-recordings and slides of select sessions after the Annual Meeting. Please note that the entire content of the Annual Meeting will not be available.

Looking for a place to meet?
Rooms 206 and 207 on the second floor of the Hilton are available for your meetings at select times on a first-come, first-served basis. A schedule and sign-up sheet is posted outside of these rooms.

Additional Speaker Disclosures
The following speakers have indicated that they have no financial relationships with commercial interests to disclose.

Quique Bassat  Eric Chambers  Morgan Goheen  Albert Picado
Emily Carter  Maria Diuk-Wasser  Kurt Hanevik

Attention Students and Trainees!

Special Events for Students, Fellows, Residents and Junior Faculty
Check the Program Book on page 34 for a listing of sessions and events on career development.

The TropStop – Student/Trainee Lounge
Marriott – Atrium Loft

Student Reception
Sunday, November 13, 4 pm - 5 pm
Marriott – Skyline Level (10th Floor)

TropStop Office Hours
Monday, November 14, 10 am – 11 am
Tuesday, November 15, 10 am – 11 am
Wednesday, November 16, 10 am – 11 am
Marriott – Atrium Loft
Meet up-and-coming professionals in the fields of tropical medicine, global health, science and industry who will share their personal career paths and answer questions you may have.
Program Updates and Changes

Monday, November 14

Scientific Session 2
Filariasis: Epidemiology and Control I
Monday, November 14, 8 am - 9:45 am
Marriott - Imperial A
9 am  #5 Use of an Adult Transmission Assessment Survey to Assess Persistence of Lymphatic Filariasis at the Evaluation Unit Level in Galle, Sri Lanka
Ramakrishna Rao, University School of Medicine, St. Louis, MO, United States, replaces Sandhya Samarasekera as presenter.

Scientific Session 3
Bacteriology: Cholera
Monday, November 14, 8 am - 9:45 am
Marriott - Imperial B
9:30 am  #14 has been withdrawn from this session and replaced with:
#436 Plasma and memory B cell responses targeting O-specific polysaccharide (OSP) are associated with protection against Vibrio cholerae O1 infection among household contacts of cholera patients in Bangladesh. This abstract will no longer be presented as a poster in Poster Session A.
Presented by Edward T. Ryan, Massachusetts General Hospital, Boston, MA, United States

Symposium 7
The Influence of Behavior and Culture within WASH Interventions and Environmental Disease Transmission
Monday, November 14, 8 am - 9:45 am
Marriott - Room M103/M104/M105
9:15 am  Updated presentation title: Social, Cultural and Behavioral Correlates of WASH

Scientific Session 10
Cestodes: Cysticercosis and Echinococcosis
Monday, November 14, 8 am - 9:45 am
Marriott - Room A601
8 am  #29 Assessing ultrasonography as a diagnostic tool for porcine cysticercosis
Ian Pray, Oregon Health & Science University, Portland, OR, United States, replaces Robert Flecker as presenter.
8:30 am  #31 Amyloid-Beta peptide and expression of amyloid precursor protein gene (app) are induced by anthelmintic treatment in porcine neurocysticercosis
Cristina Guerra Giraldez, Universidad Peruana Cayetano Heredia, Lima, Peru, replaces Renzo Gutierrez-Loli as presenter.
9 am  #33 Use of differentially expressed monocyte genes to distinguish between neurocysticercosis-associated epilepsy and idiopathic epilepsy
Helene Carabin, University of Oklahoma Health Sciences Center, Oklahoma City, OK, United States, replaces Vasuvedan Prabhakaran as presenter.
Scientific Session 11
Malaria: Biology and Pathogenesis
Monday, November 14, 8 am - 9:45 am
Marriott - Room A602
8 am
Abstract #36 has been withdrawn from this session and replaced with:
#237 Combating anemia with iron supplementation may inevitably cause a transient
increase in malaria risk (This abstract will also be presented during Poster Session A
on Monday, November 14.)
Presented by Morgan Goheen, University of North Carolina Chapel Hill School of
Medicine, Chapel Hill, NC, United States

Scientific Session 14
Filariasis: Epidemiology and Control II
Monday, November 14, 10:15 am - Noon
Marriott - Imperial A
11 am
#53 Simulating the effect of evaluation unit size in determining eligibility to stop
mass drug administration for lymphatic filariasis in Haiti
Katherine Gass, Task Force for Global Health, Decatur, GA, United States, replaces
Natalya Kostandova as presenter.

Poster Session A
Monday, November 14, Noon - 1:45 pm
Hilton – Grand Ballroom and Grand Salon

#112 Seroconversion to dengue and chikungunya in immunologically naïve adults in St.
Kitts
This abstract, originally scheduled for Poster Session A, will be presented during
Poster session B on Tuesday, November 15. The poster will be located in the section
of the Hilton Grand Salon designated for “Posters Transferred from Other Sessions.”

#125 The Reemergence of Zika Virus: From Arthropod Vector to Possible Sexual
Transmission
Additional author: Dina Ahmed, Armstrong State University, Savannah, GA, United
States

#153 Seroprevalence of Ebola virus among health care workers in the Tshuapa
District, Democratic Republic of Congo
Complete author list:
Reena H. Doshi1, Nicole A. Hoff1, Patrick Mukadi2, Alexis Mwanza2, Daniel Mukadi2,
Joseph Wasiswa2, Vivian H. Alfonso1, Joseph Ngamboli2, Natalie Kavira2, Rachel
Mutombo2, Benoit Kebela Illunga3, Emile Okitolonda-Wemakoy4, Jean-Jacques
Muyembe-Tamfum2, Anne W. Rimoin1
1UCLA Fielding School of Public Health, Los Angeles, CA, United States, 2Institut
National de Recherche Biomedicale, Kinshasa, Democratic Republic of the
Congo, 3Direction of Disease Control, Ministry of Health, Kinshasa, Democratic
Republic of the Congo, 4Kinshasa School of Public Health, Kinshasa, Democratic
Republic of the Congo
**Monday, November 14 (continued)**

**Poster Session A (continued)**

*Monday, November 14, Noon - 1:45 pm*

*Hilton – Grand Ballroom and Grand Salon*

#157  *Megalopyge opercularis*: The Sting that Keeps on Stinging, 1798-2016  
Additional author: Dina Ahmed, Armstrong State University, Savannah, GA, United States

#275  Factors influencing the use of mRDTS among Private health Providers and Consumers at the Kenyan Coast  
Dennis Mwambi, Population Services Kenya, Nairobi, Kenya, replaces Nancy Njoki as presenter.

#306  Improving ivermectin’s efficacy as a vector control tool: Reducing its metabolism and excretion to prolong the mosquito-killing window  
Updated author affiliation:  
Carlos Chaccour, Instituto de Salud Tropical Universidad de Navarra, Pamplona, Spain and ISGlobal, Barcelona Ctr. Int. Health Res. (CRESIB), Hospital Clínic, Universitat de Barcelona, Barcelona, Spain

#360  Uncomplicated malaria children and adults with in malaria hyperendemic area of Burkina Faso treatment and antibodies production  
Issiaka Soulama, Centre National de Recherche et de Formation sur le Paludisme, Ouagadougou, Burkina Faso replaces Fatimata Thiombiano as presenter.

#423  Cost-effectiveness of malaria control measures: A cluster-randomized control trial of IRS and ITNs in Mozambique  
Additional author: Carlos Chaccour, ISGlobal, Barcelona, Spain

#436  Plasma and memory B cell responses targeting O-specific polysaccharide (OSP) are associated with protection against *Vibrio cholerae* O1 infection among household contacts of cholera patients in Bangladesh  
This abstract will now be presented as an oral presentation in Scientific Session 3: Bacteriology: Cholera on Monday, November 14 at 9:30 am in Marriott – Imperial B.

#444  A cross-sectional abattoir study on *Taenia hydatigena* infections in pigs in Burkina Faso  
Veronique Dermauw, Institute of Tropical Medicine, Antwerp, Belgium, replaces Pierre Dorny as presenter.

#446  Neurocysticercosis and epilepsy among people living nearby pigs heavily-infected with cysticercosis in rural endemic Peru  
Additional author: Brian T. Garvey, Oregon Health & Science University, Portland, OR, United States
Monday, November 14 (continued)

**Poster Session A (continued)**
*Monday, November 14, Noon - 1:45 pm*
*Hilton – Grand Ballroom and Grand Salon*

#541  
One Health Worldwide: Emerging infectious diseases, Global Health veterinarians, and zoonotic surveillance  
Benjamin Norton, Smithsonian Institution, Washington, DC, United States, replaces Kali Holder as presenter.

#554  
Phylogenetic analysis of *Blastocystis* spp. isolates in clinical stool samples from Brazil  
Complete author list:  
Melo GB¹, Paula FM¹, Malta FM¹, Maruta CW², Criado PP², Magri MH¹, Castilho VLP³,  
Gonçalves EMN³, Espírito-Santo, MCC⁴, Gryschek RCB¹  
¹Laboratório de Investigação Médica, Instituto de Medicina Tropical de São Paulo, Universidade de São Paulo, São Paulo, Brazil; ²Ambulatório de Dermatologia, Hospital das Clínicas da Faculdade de Medicina, Universidade de São Paulo, São Paulo, Brazil; ³Seção de Parasitologia, Divisão do Laboratório Central do Hospital das Clínicas da Faculdade de Medicina, Universidade de São Paulo, São Paulo, Brazil

#561  
Standardization of an On-Bead Sandwich ELISA for the Detection of *Toxoplasma gondii* Antigen SAG1  
Additional author: Yossef Alnasser, Universidad Peruana Cayetano Heredia, Lima, Peru

#LB-5137  
Lassa fever: A silent creeper  
Additional author: Femi Taiwo, Armstrong State University, Savannah, GA, United States

**Symposium 37**
*A Decade of U.S. Government Commitment to Combating Malaria and Saving Lives: The President’s Malaria Initiative, 2006-2015*
*Monday, November 14, 1:45 pm - 3:30 pm*
*Marriott - Atrium A*

2:15 pm  
PMI’s Successful Partnerships in Malaria Control: Senegal  
Omar Sarr, National Malaria Control Program, Dakar, Senegal, replaces Moustapha Cisse as presenter.

**Symposium 41**
*Terrorism, Conflict, Epidemics and Acts of God: The Impact of the Unpredictable on NTD Programs*
*Monday, November 14, 4 pm - 5:45 pm*
*Marriott - Imperial A*

5 pm  
Novel approach for mapping NTDs in refugee camps in Gambella and Beneshangul-Gumuz (Ethiopia): Host versus origin communities as a source of NTD infection  
Biruck Kebede Negash replaces Scott McPherson as presenter.
**Symposium 50**
**Mapping the Denominator**
*Monday, November 14, 4 pm - 5:45 pm*
*Marriott - Room A602*

4:20 pm  
*Mapping human settlements at high resolution from satellite imagery for public health support*  
Eric Weber, Oak Ridge National Laboratory, Knoxville, TN, United States, replaces Budhu Bhaduri as presenter.

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**Tuesday, November 15**

**Scientific Session 56**
**Global Health: Ebola**
*Tuesday, November 15, 8 am - 9:45 am*
*Marriott - Marquis B*

8 am  
#666 Implementation of a multi-country response to the Ebola Virus Disease Epidemic in West Africa: Lessons from the field  
Adam Levine, International Medical Corps, Washington, DC, United States replaces Reshma Roshania as presenter.

9 am  
#670 Mortality Outcomes among Patients with Variable Infection States with Ebola Virus Disease and Malaria in Sierra Leone: A Retrospective Cohort Study  
Matthew Waxman, Olive View – UCLA Medical Center, Los Angeles, CA, United States, replaces Adam Aluisio as presenter.

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**Symposium 60**
**ASTMH Committee on Global Health (ACGH) Symposium I: Building a Successful Career in Global Health - Global Health Leaders from Around the Globe Share Their Experiences**
*Tuesday, November 15, 8 am - 9:45 am*
*Marriott - Atrium A*

8:50 a.m.  
Skills and strategies to succeed in global health in low- and middle-income countries  
Presenter: Ousmane Koita, Universite des Sciences, des Techniques et des Technologies, Bamako, Mali
Symposium 62
American Committee of Medical Entomology (ACME) Symposium I: Annual Business Meeting, Awards and Hoogstraal Medal Presentations and Networking Reception
Tuesday, November 15, 2016, 8 am - 9:45 am
Marriott - Room A601

Updated Program

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter</th>
<th>Institution</th>
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<tbody>
<tr>
<td>8 am</td>
<td>ACME Annual Business Meeting and Awards Presentation</td>
<td>Lyric C. Bartholomay</td>
<td>University of Wisconsin Madison, Madison, WI</td>
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<tr>
<td>8:15 am</td>
<td>Hoogstraal Medal Presentation</td>
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<tr>
<td>8:45 am</td>
<td>SC Johnson (SCJ) Innovation Award</td>
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<tr>
<td>9 am</td>
<td>State of the art in urban <em>Ae. aegypti</em> control for Zika emergency response</td>
<td>Scott Ritchie</td>
<td>James Cook University, Cairns, Australia</td>
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<tr>
<td>9:30 am</td>
<td>Networking and Social Time</td>
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</tbody>
</table>

Symposium 63
Schistosomiasis Control with a View Toward Elimination
Tuesday, November 15, 8 am - 9:45 am
Marriott - Room A602

8 am
Outcomes of five-year long randomized trials of school- and community-based mass drug administration for *S. mansoni* in Kenya
Pauline Mwinzi, KEMRI, Kisumu, Kenya replaces Susan Montgomery as presenter.

Symposium 64
Where Will the Next Malaria Medicines Come From?
Tuesday, November 15, 8 am - 9:45 am
Marriott - Room A703/A704

8:20 am
What can be learned from the phenotypic screening of over 6 million compounds?
Javier Gamo, GlaxoSmithKline, Tres Cantos Madrid, Spain replaces Jim Brown as presenter.

8:40 am
Screening new compounds: What and why?
Beatriz Baragana, University of Dundee, Dundee, United Kingdom replaces Paul Wyatt as presenter.
Tuesday, November 15 (continued)

Scientific Session 72
American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP): Malaria and Protozoal Diseases - Biology and Pathogenesis
Tuesday, November 15, 10:15 am - Noon
Marriott - Room M103/M104/M105

10:15 am  #1931 Genomic Ablation of Cyst-Wall-Protein-1 prevents stage-specific formation of Golgi-like organelles and regulated secretion of a cyst wall in G. lamblia
Jacqueline Ebneter¹, Sally D. Heusser¹, Elisabeth M. Schraner², Carmen Faso¹, Adrian B. Hehl¹
¹Institute of Parasitology, University of Zurich, Zurich, Switzerland, ²Institute of Veterinary Anatomy, University of Zurich, Zurich, Switzerland

10:30 am  #1932 Adipose Tissue is a Major Reservoir of Functionally Distinct Trypanosoma brucei Parasites
Sandra Trindade¹, Filipa Rijo-Ferreira¹, Tânia Carvalho¹, Daniel Pinto-Neves¹, Fabien Guegan¹, Francisco Aresta-Branco¹, Fabio Bento¹, Simon A. Young², Andreia Pinto¹, Jan Van Den Abbeele³, Ruy M. Ribeiro⁴, Sérgio Dias¹, Terry K. Smith², Luisa M. Figueiredo¹
¹Instituto de Medicina Molecular, Lisboa, Portugal, ²University of St. Andrews, St. Andrews, United Kingdom, ³Institute of Tropical Medicine Antwerp, Antwerp, Belgium, ⁴Los Alamos National Laboratory, Los Alamos, NM, United States

Symposium 73
ASTMH Committee on Global Health (ACGH) Symposium II: Building a Successful Career in Global Health - An Interactive Session with Global Health Experts
Tuesday, November 15, 10:15 am - Noon
Marriott - Atrium A

Small Group Discussion: Skills and strategies to succeed in global health in the United States
Laila Woc-Colburn, Centers for Disease Control and Prevention, Atlanta, GA, United States replaces Jonathan Ripp as group facilitator.

New Small Group Discussion: Developing and Delivering Effective Presentations
Steven Stewart, Centers for Disease Control and Prevention, Atlanta, GA, United States serves as facilitator.
**Symposium 75**  
American Committee of Medical Entomology (ACME) Symposium II: Applied Medical Entomology: Bridging Field and Laboratory Studies  
*Tuesday, November 15, 2016, 10:15 am - Noon*  
*Marriott - Room A601*

### Updated Program

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>10:15 am</td>
<td>International Student Travel Award</td>
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<tr>
<td>10:30 am</td>
<td>Travel Award Recipient Talk</td>
<td></td>
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</tbody>
</table>
| 10:45 am| Case study perspectives on the biodiversity of the mosquito fauna of Brazil | Vinicios Ferreira-de-freitas  
*University of Wisconsin Madison, Madison, WI, United States* |
| 11 am   | Bacterial composition of larval breeding sites of African *Aedes aegypti* and its effect on vectorial capacity | Laura Dickson  
*Pasteur Institute, Paris, France* |
| 11:15 am| Spatial heterogeneity in insecticide resistance patterns in *Ae. aegypti* | Marissa Grossman  
*Emory University, Atlanta, United States* |
| 11:30 am| Interrogating indoor and outdoor mosquito populations and transmission of emerging arboviruses along the Texas-Mexico border | Gabriel Hamer  
*Texas A&M University, College Station, United States* |
| 11:45 am| Eco-epidemiological modeling to identify targets for control of tick-borne pathogens | Maria Diuk-Wasser  
*Columbia University, New York, NY, United States* |

### Scientific Session 77

**Intestinal and Tissue Helminths: Soil-Transmitted Helminths – Epidemiology and Control**  
*Tuesday, November 15, 10:15 am - Noon*  
*Marriott - Room A703/A704*

11 am  
#701 Maternal postpartum deworming as a means of improving infant growth and morbidity in areas endemic for soil-transmitted helminthiasis  
Theresa Gyorkos, McGill University, Montreal, QC, Canada replaces Layla Mofid as presenter.

11:45 am  
#704 Results of a combined public health intervention against *S. stercoralis* in an Argentinian endemic region monitored through NIE-ELISA  
Alejandro Krolewiecki, Consejo Nacional de Investigaciones Científicas y Técnicas, Buenos Aires, Argentina, replaces Paola Vargas as presenter.
Tuesday, November 15 (continued)

Poster Session B
Tuesday, November 15, Noon - 1:45 pm
Hilton – Grand Ballroom and Grand Salon

#112 Seroconversion to dengue and chikungunya in immunologically naïve adults in St. Kitts
This abstract, originally scheduled for Poster Session A on Monday, November 14, will be presented during Poster session B. The poster will be located in the section of the Hilton Grand Salon designated for “Posters Transferred from Other Sessions.”

#780 Studies on knockdown resistance (kdr) mutations in Aedes aegypti and Aedes albopictus in India
Updated affiliation for author Raja Babu Singh Kushwah is National Institute of Malaria Research, Dwarka, New Delhi, India.

#821 The Global Health Service Partnership: An Academic-Clinical Partnership to Build Capacity in Nursing and Medicine in Sub-Saharan Africa
Elizabeth Glaser, Seed Global Health and the Global Health Service Corps, Blantyre, Malawi, replaces Eileen Stuart-Shor as presenter.

#825 Zika virus-related photo sharing on Pinterest and Instagram
Co-Presenters: Isaac Chun-Hai Fung, Elizabeth B. Blankenship, M. Elizabeth Goff, Lindsay A. Mullican

#878 Can Pharmacy Providers provide quality malaria diagnostic in Kenya: Results from Exit interview and Mystery client studies from the Kenyan Coast
Dennis Mwambi, Population Services Kenya, Nairobi, Kenya, replaces Anne M. Musuva as presenter.

#929 Health Worker Adherence to Malaria Case Management Guidelines at Publicly Funded Outpatient Health Facilities — Southern Malawi, 2015
Laura Steinhardt, Centers for Disease Control and Prevention, Atlanta, GA, United States, replaces Ruth Namuyinga as presenter.

#981 Orde Wingate’s Suicide Attempt, Cairo, 1942: A Case Study in Acute Atabrine Psychosis
Additional author: Dina Ahmed, Armstrong State University, Savannah, GA, United States

#1078 Clinical Characteristics of Ebola survivors 40 years post infection in the Democratic Republic of Congo
Complete author list:
Alexis Kabongo Mwanza¹, Daniel Mukadi¹, Patrick Mukadi¹, Nicole A Hoff¹, Reena H Doshi¹, Joseph Wasiswa¹, Vivian H Alfonso², Anne W. Rimoin²
¹University California Los Angeles/Democratic Republic of Congo, Kinshasa, Democratic Republic of the Congo, ²University of California Los Angeles, Los Angeles, CA, United States
**Tuesday, November 15 (continued)**

**Poster Session B (continued)**  
**Tuesday, November 15, Noon - 1:45 pm**  
**Hilton – Grand Ballroom and Grand Salon**

#1136 Guidance in Designing Surveys for Monitoring Surveys for Monitoring the Progress of School-Based Deworming Programs to Control Soil-Transmitted Helminthiasis  
Roy Anderson, Imperial College, London, United Kingdom, replaces Bruno Levecke as presenter.

#1172 Determination of Plasma Levels of Levofloxacin by High Performance Liquid Chromatography for Use at a Multidrug-Resistant Tuberculosis Hospital in Tanzania  
Suzanne Stroup, University of Virginia, Charlottesville, VA, United States replaces Andrew Ebers as presenter.

#LB-5276 What happened to the malaria market in Kenya after the AMFm?  
This abstract, originally scheduled for Poster Session B, will be presented during Poster Session C on Wednesday, November 16. The poster will be located in the Hilton Grand Salon in the section designated for “Posters Transferred from Other Sessions.”

**Scientific Session 83**  
**Bacteriology: Diarrhea - Determinants and Prevention**  
**Tuesday, November 15, 1:45 pm - 3:30 pm**  
**Marriott - Imperial B**

3:15 pm Abstract #1207 has been withdrawn from this session and replaced with:  
#1036 Increasing anti-adhesin immune responses by modifying fimbrial gene stem-loop structure in live attenuated Shigella/ETEC vaccines (This abstract will also be presented during Poster Session B on Tuesday, November 15).  
Presented by Kurt Hanevik, University of Bergen, Bergen, Norway

**Symposium 87**  
**Global Call to Action to Increase Coverage of Intermittent Preventive Treatment in Pregnancy: Progress and Lessons Learned**  
**Tuesday, November 15, 1:45 pm - 3:30 pm**  
**Marriott - Marquis D**

2:45 pm What did it take to expand coverage of IPTp2 and 3: Early successes from Malawi  
Fannie Kachale, Malawi Ministry of Health, Lilongwe, Malawi, replaces Doreen Ali as presenter.
Tuesday, November 15 (continued)

Scientific Session 88
Integrated Control Measures for Neglected Tropical Diseases
Tuesday, November 15, 1:45 pm - 3:30 pm
Marriott - Atrium A
1:45 pm  #1208 Assessment of the needs for the Neglected Tropical Disease (NTD), Non-Communicable Disease (NCD) and the Eye Health Programs in Liberia following the outbreak of Ebola Viral Disease
Brent Thomas, Liverpool School of Tropical Medicine, Liverpool, United Kingdom
replaces Karsor Kollie as presenter.

Symposium 92
New Approaches to Examining Antigenic Variation in Multiple Plasmodium Species and in the Course of Infections in Humans, Non-Human Primates and Mosquitoes
Tuesday, November 15, 1:45 pm - 3:30 pm
Marriott - Room A706/A707
2:05 pm  New presentation title: Plasmodium knowlesi: Bridging the gap between human health and model organism in malaria antigenic variation research
Mariko Peterson, Emory University School of Medicine, Atlanta, GA, United States
replaces Elena Gomez-Diaz as presenter.
2:25 pm  This presentation was originally scheduled for 2:05 pm. Plasmodium knowlesi variant antigen gene and protein investigations using macaque infections to determine the molecular mechanisms that govern switching and epigenomic regulation in vivo

Symposium 98
Results from the Pneumonia Etiology Research for Child Health Study (PERCH)
Tuesday, November 15, 4 pm - 5:45 pm
Marriott - Marquis D
4 pm  PERCH in the context of other etiology studies
Karen Kotloff, University of Maryland, Baltimore, MD, United States replaces Abdullah Brooks as presenter.

Scientific Session 99
Schistosomiasis: Immunology, Pathology and Diagnostics
Tuesday, November 15, 4 pm - 5:45 pm
Marriott - Room M103/M104/M105
5 pm  #1226 An egg protein from Schistosoma mansoni is promising for development of high-specificity diagnostics in the era of intensified control
Updated author list:
Vanessa Silva-Moraes; Paulo Marcos Zech Coelho; Donald A. Harn; Flavia Fernanda Bubula Couto; Liliane Maria Vidal Siqueira; William De Castro Borges; Ana Lucia Teles Rabello; Lisa M. Shollenberger; Rafaella Fortini Queiroz Grenfell
Symposium 102
Approaches, Advances and Needs for the Elimination of Human African Trypanosomiasis (HAT)
Tuesday, November 15, 4 pm - 5:45 pm
Marriott - Room A706/A707
4 pm How can we achieve HAT elimination by 2020?
Gerardo Priotto, World Health Organization, Geneva, Switzerland replaces Jose R. Franco as presenter.

Symposium 105
The Refugee Journey to Wellbeing
Tuesday, November 15, 7:15 pm - 9 pm
Marriott - Marquis B
Updated Program

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:15</td>
<td>Symposium Keynote Address: Migration and Displacement Today: The Big Picture</td>
<td>Ambassador William Lacy Swing, Director General International Organization for Migration, Geneva, Switzerland</td>
</tr>
<tr>
<td>7:35</td>
<td>A Collaborative Response to an Unpredictable and Urgent Refugee Crisis</td>
<td>Mary Jo Frawley Medecins Sans Frontieres, New York, NY, United States</td>
</tr>
<tr>
<td>7:55</td>
<td>UNCHR Perspective on Refugee Health</td>
<td>Ann Burton UN High Commissioner for Refugees, Geneva, Switzerland</td>
</tr>
<tr>
<td>8:15</td>
<td>CDC's Role in Continuum of Care for Resettling Refugees</td>
<td>Martin S. Cetron Division of Global Migration and Quarantine, Centers for Disease Control and Prevention, Atlanta, GA, United States</td>
</tr>
<tr>
<td>8:35</td>
<td>Healthy Resettlement in the U.S.</td>
<td>Alawode Oladele County Wide Services, DeKalb County Board of Health, Decatur, GA, United States</td>
</tr>
</tbody>
</table>
**Wednesday, November 16**

**Symposium 106**  
**Community Providers for Neglected Tropical Disease Control: The “Building Blocks” for Program Success**  
*Wednesday, November 16, 8 am - 9:45 am*  
*Marriott - Imperial A*

8 am  
Health systems strengthening and NTD control programs: Close-to-community providers’ experiences, opportunities and constraints  
Theresa Hoke, FHI360, Durham, NC, United States replaces Sally Theobald as presenter.

**Scientific Session 109**  
**American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP): Malaria and Protozoans - Molecular Biology**  
*Wednesday, November 16, 8 am - 9:45 am*  
*Marriott - Marquis B*

8 am  
#1933 Analyzing the cryptic stator of the ATP synthase complex in *Toxoplasma gondii*  
**Diego Huet**, Saima M. Sidik, Sebastian Lourido  
*Whitehead Institute, Cambridge, MA, United States*

8:15 am  
#1934 *Toxoplasma gondii* Interactions with the Host Lipid Droplets: Recruitment, Neutral Lipid Scavenging and Consequences  
**Sabrina Nolan**, Julia D. Romano, Isabelle Coppens  
*Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States*

**Scientific Session 110**  
**Pneumonia, Respiratory Infections and Tuberculosis I**  
*Wednesday, November 16, 8 am - 9:45 am*  
*Marriott - Marquis C*

8 am  
#1248 Transcriptional and proteomic categorization of the etiology of pneumonia syndrome in pediatric patients in malaria endemic areas  
Quique Bassat, ISGlobal, Barcelona, Spain, replaces Danny Milner as presenter.

**Scientific Session 112**  
**Kinetoplastida: Diagnosis, Treatment and Vaccine Development**  
*Wednesday, November 16, 8 am - 9:45 am*  
*Marriott - Room M103/M104/M105*

9:30 am  
#1268 Assessing *in vitro* and *in vivo* Activity of Miltefosine Against *Trypanosoma cruzi*  
This abstract, originally scheduled for Scientific Session 112, will be presented as a poster during Poster Session C on Wednesday, November 16. This poster will be located in the Grand Salon of the Hilton in the section designated for “Posters Transferred from Other Sessions.”

9:30 am  
#519 replaces #1268; #1268 will now be presented during Poster Session C.  
#519 A loop-mediated isothermal amplification (LAMP) kit for molecular detection of *Trypanosoma cruzi* DNA; A feasibility study (This abstract will also be presented during Poster Session A on Monday, November 14.)  
Presented by Albert Picado, FIND, Geneva, Switzerland
Scientific Session 113
Malaria: Chemotherapy for Control and Elimination
Wednesday, November 16, 8 am - 9:45 am
Marriott - Atrium A
9:30 am #1275 Evaluation of Targeted Mass Treatment of Malaria in Tanintharyi Region, Myanmar: Preliminary Results
Phyo Maung Maung, Community Partners International, Yangon, Myanmar, replaces Si Thura as presenter.

Symposium 115
Understanding, Detecting, Preventing the Fertilization of Plasmodium Parasites
Wednesday, November 16, 2016, 8 am - 9:45 am
Marriott - Room A601
9 am Updated presentation title: Integrated transcriptomic and proteomic analyses of *P. falciparum* gametocytes and their application for estimating gametocyte-sex ratio in natural infections

Scientific Session 116
Arthropods: Other Arthropods
Wednesday, November 16, 8 am - 9:45 am
Marriott - Room A703/A704
8 am Abstract #1276 has been withdrawn and replaced with:
#172 A reverse transcriptase PCR assay for the identification of *Dirofilaria immitis* infective (L3) larvae in mosquitoes (This abstract will also be presented during Poster Session A on Monday, November 14).
Presented by Eric Chambers, Valdosta State University, Valdosta, GA, United States

Scientific Session 117
Malaria: Control Interventions - Operational Innovations and Challenges
Wednesday, November 16, 8 am - 9:45 am
Marriott - Room A706/A707
8:30 am #1285 Evaluating the impact of the national scale-up of malaria control interventions in Liberia from 2004 to 2013
Victor Koko, National Malaria Control Program, Monrovia, Liberia, replaces Samantha Herrera as presenter.

Symposium 119
Yellow Fever: Scientific and Logistical Challenges for a Preventable Disease
Wednesday, November 16, 10:15 am - Noon
Marriott - Imperial B
10:40 am Correct presentation title:
View from the field: Outbreak control activities during the 2016 Yellow Fever outbreak in the Democratic Republic of the Congo
**Scientific Session 125**

**Virology: Ebola**

*Wednesday, November 16, 10:15 am - Noon*

*Marriott - Atrium A*

**10:15 am #1309 Investigating Virus Persistence in Body Fluids of Ebola Survivors in Sierra Leone**

Elizabeth Ervin, Centers for Disease Control and Prevention, Atlanta, GA, United States replaces Barbara Knust as presenter.

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**Poster Session C**

*Wednesday, November 16, Noon - 1:45 pm*

*Hilton – Grand Ballroom and Grand Salon*

**#1268**

Assessing *in vitro* and *in vivo* Activity Of Miltefosine against *Trypanosoma cruzi*

This abstract, originally scheduled for Scientific Session 112 on Wednesday, November 16, will be presented as a poster during Poster Session C. This poster will be located in the Grand Salon of the Hilton in the section designated for "Posters Transferred from Other Sessions."

**#1443**

Tropical Disease in Late 18th Surinam: The Case of Capt. John Stedman, 1772-1777

Additional author: Dina Ahmed, Armstrong State University, Savannah, GA, United States

**#1551**

Including most-at-risk populations in health program planning and implementation: an intercultural communication framework to support malaria elimination amongst indigenous peoples in the Americas

Complete author list:

Julie N. de Carvalho, Patricia Isabel Sánchez Bao, Chloe Hans-Barrientos

**#1632**

Improving private sector malaria case surveillance and quality assurance using DHIS2: lessons learned

Cristina Lussiana, Population Services International, Nairobi, Kenya, replaces Andrea Cutherell as presenter.

**#1690**

Can we eliminate trachoma as a public health problem by 2020?

The data for this presentation will be presented during Symposium 100: Quantitative Approaches to Support the Achievement of Elimination Targets for Intensified Disease Management NTDs on Tuesday, November 15 at 5 pm in Marriott - Atrium A.

**#1711**

Comprehensive care of Chagas disease in a non-endemic country: the example of Spain

Additional authors:

María D. Flores-Chavez; Javier Nieto

Leishmaniasis and Chagas Disease Unit, National Microbiology Center, Instituto de Salud Carlos III, Madrid, Spain
**Poster Session C (continued)**

*Wednesday, November 16, Noon - 1:45 pm*

*Hilton – Grand Ballroom and Grand Salon*

#1727  
*The effect of maternal postpartum deworming on infection status, anemia and fatigue*
Theresa Gyorkos, McGill University, Montreal, QC, Canada, replaces Layla Mofid as presenter.

#1759  
*Cutaneous leishmaniasis due to Leishmania donovani: Role of IL-4 and IFN-gamma in lesion healing*
Nadira D. Karunaweera, University of Colombo, Colombo, Sri Lanka, replaces Nuwani H. Manamperi as presenter.

#1764  
*Biomarkers of protective immunity induced by live attenuated Leishmania donovani parasites in presence of asymptomatic infection*
Hira Nakhasi, U.S. Food and Drug Administration, Silver Spring, MD, United States replaces Nevien Ismail as presenter.

#1800  
*Effect of a Combined Hardware and Behavior Change Intervention on Handwashing Behaviors in Primary School Children: the Povu Poa School Pilot Study*
Complete author list:
1. Wit Wichaidit (lead author)
2. Rachel Steinacher
3. Jaynie Whinnery
4. Jemima Akinyi Okal
5. Clair Null
6. Amy J. Pickering
7. Pavani K. Ram (senior author)

#1920  
*The impact of anemia during pregnancy and its risk factors on the cognitive development of one-year-old children*
This abstract, originally scheduled for Scientific Session 180 on Thursday, November 17, will be presented during Poster Session C. The poster will be located in the Grand Salon of the Hilton in the section designated for “Posters Transferred from Other Sessions.”

#LB-5276  
*What happened to the malaria market in Kenya after the AMFm?*
This abstract, originally scheduled for Poster Session B on Tuesday, November 15, will be presented during Poster Session C. The poster will be located in the Grand Salon of the Hilton in the section designated for “Posters Transferred from Other Sessions.”
Wednesday, November 16 (continued)

**Symposium 134**
Global Antibiotic Resistance Partnership and ResistanceMap
*Wednesday, November 16, 1:45 pm - 3:30 pm*
*Marriott - Imperial A*
2 pm GARP-Kenya: The road to a national action plan
   Tom Menge, Kenyatta National Hospital/GARP Kenya, Nairobi, Kenya replaces Evelyn Wesangula as presenter.

**Scientific Session 136**
Global Health: mHealth, Vaccines and Strategies
*Wednesday, November 16, 1:45 pm - 3:30 pm*
*Marriott - Marquis A*
2:30 pm #1810 First oral cholera vaccination campaign in Iraq during an outbreak and humanitarian crisis: Findings from the coverage survey, 2015
   Steven Russell, Centers for Disease Control and Prevention, Atlanta, GA, United States, replaces Eugene Lam as presenter.

**Scientific Session 147**
Global Health: Febrile Illness and Malaria
*Wednesday, November 16, 4 pm - 5:45 pm*
*Marriott - Imperial A*

**Symposium 152**
Careers in Refugee Health: Case-Based Perspectives and Descriptions
*Wednesday, November 16, 4 pm - 5:45 pm*
*Marriott - Atrium A*
5 pm U.S./Domestic Refugee Health
   Elizabeth Barnett, Boston University, Boston, MA, United States replaces Ann Settgast as presenter.

**Symposium 153**
An Integrated Approach to Tropical Dermatology
*Wednesday, November 16, 4 pm - 5:45 pm*
*Marriott - Atrium B*
5 pm New presentation title: Improving Skin Barrier Function: Reflecting on the Impact of Lower Limb Simple Skin Care on Reducing Disease Burden in Tropical Lymphoedemas and Other Lower Limb Diseases including Filariasis, Podoconiosis, Leprosy and Kaposi’s Sarcoma
   Claire Fuller, Chelsea and Westminster Hospital, London, United Kingdom replaces Kingsley Asiedu as presenter.
Thursday, November 17

Symposium 165
Clinical Update - What's New in Literature?
Thursday, November 17, 8 am - 9:45 am
Marriott - Atrium B
Co-Chair: Miguel Cabada, Universidad Peruana Cayetano Heredia and University of Texas Medical Branch, Galveston, TX United States, replaces Davidson Hamer as co-chair.

Scientific Session 168
American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP): Malaria - Biology and Pathogenesis
Thursday, November 17, 8 am - 9:45 am
Marriott - Room A703/A704
8 am #1938 A Serum Factor Regulates Sexual Commitment in *P. falciparum*
Nicolas M. B. Brancucci¹, Joseph P. Gerdt², Charley Wang³, Mariana De Niz¹, Nisha Philip¹, Swamy R. Adapa³, Min Zhang³, Martha Clark⁴, Christoph Gruering⁴, Alison Demas⁴, Selma Bopp⁴, Dyann Wirth⁴, Manoj Duraisingh⁴, John Adams³, Andrew P. Waters¹, Rays H. Y. Jiang³, Jon C. Clardy², Matthias Marti¹
¹Wellcome Trust Centre for Molecular Parasitology, Institute of Infection, Immunity and Inflammation, College of Medical, Veterinary and Life Sciences, University of Glasgow, Glasgow, United Kingdom, ²Harvard Medical School, Department of Biological Chemistry and Molecular Pharmacology, Boston, MA, United States, ³Center for Global Health and Infectious Diseases Research, Department of Global Health, College of Public Health, University of South Florida, Tampa, FL, United States, ⁴Harvard T.H. Chan School of Public Health, Department of Immunology and Infectious Diseases, Boston, MA, United States

8:15 am #1939 Molecular Dissection of *Cryptosporidium* Lifecycle
Jayesh V. Tandel, Adam Sateriale, Brittain Pinkston, Carrie Brooks, Boris Striepen
Center for Tropical and Emerging Global Diseases, University of Georgia, Athens, GA, United States

Scientific Session 169
Malaria: Control Interventions - Assessment of Quality and Effectiveness
Thursday, November 17, 8 am - 9:45 am
Marriott - Room A706/A707
8:45 am #1884 Building a System of Quality Assured Malaria Case Management in the Democratic Republic of the Congo
Fozo Alombah, PATH, Kinshasa, Democratic Republic of the Congo, replaces Jean Yves Mukamba as presenter.

Symposium 170
Making Money Matter: Cost-Effectiveness and NTD Interventions
Thursday, November 17, 10:15 am - Noon
Marriott - Imperial A
Co-Chair: Inyang Asibong replaces Christopher Fitzpatrick as co-chair.
Scientific Session 176
Kinetoplastida: Molecular Biology and Immunology
Thursday, November 17, 10:15 am - 12:15 pm
Marriott - Room M103/M104/M105
11:45 am New presentation time for #1762, which was originally scheduled for this session at noon: Identification of microRNA-21 as a biomarker in live attenuated *Leishmania* vaccine induced protective immunity

Symposium 179
Gene Drives on the Horizon: Advancing Science, Navigating Uncertainty and Aligning Research with Public Values
Thursday, November 17, 10:15 am - Noon
Marriott - Room A601
11:15 am Regulatory Considerations in a Global Arena
Todd Kuiken, North Carolina State University, Raleigh, NC, United States replaces Joyce Tait as presenter.

Scientific Session 180
Global Health: Maternal and Child Health
Thursday, November 17, 10:15 am - Noon
Marriott - Room A602
Co-chair: Erin Eckert, United States Agency for International Development, Washington, DC, United States, replaces Davidson Hamer as co-chair.
11:15 am #1920 The impact of anemia during pregnancy and its risk factors on the cognitive development of one-year-old children
This abstract, originally scheduled for Scientific Session 180, will be presented during Poster Session C on Wednesday, November 16. The poster will be located in the Grand Salon room of the Hilton in the section designated for “Posters Transferred from Other Sessions.”
11:15 am #835 replaces #1920, which will now be presented during Poster Session C on Wednesday, November 16.
#835 Linking Household and Point-of-care Data to Estimate Coverage of Appropriate Management of Childhood Illness in Southern Province, Zambia (This abstract will also be presented during Poster Session B on Tuesday, November 15.)
Presented by Emily Carter, Johns Hopkins School of Public Health, Baltimore, MD, United States

Symposium 181
Enhancement of Syndromic Surveillance, Outbreak-Response and Disease Elimination through Innovative Laboratory Diagnostics
Thursday, November 17, 10:15 am - Noon
Marriott - Room A703/A704
10:45 am Development and Challenges of Translating Viral Hemorrhagic Fever Research to Actionable Diagnostic Applications
Lou Altamura, USAMRIID, Frederick, MD, United States replaces Tim Minogue as presenter.
Withdrawn/Cancelled Presentations

Monday, November 14

Scientific Session 3
Bacteriology: Cholera
Monday, November 14, 8 am - 9:45 am
Marriott - Imperial B
9:30 am   #14 Oral cholera vaccine studies in high cholera endemic settings in Bangladesh

Scientific Session 11
Malaria: Biology and Pathogenesis
Monday, November 14, 8 am - 9:45 am
Marriott - Room A602
8 am       #36 Functional analysis of divergent GPCR-like proteins during *Plasmodium chabaudi* blood-stage development

Scientific Session 12
Mosquitoes: Operational Control
Monday, November 14, 8 am - 9:45 am
9 am       #47 Autocidal mosquito control: Allowing mosquitoes to help us with our work

Poster Session A
Monday, November 14, Noon - 1:45 pm
Hilton – Grand Ballroom and Grand Salon

#94 Arthropod Exosomes as novel transmission blocking strategies for Vector-borne Pathogens

#98 Prevalence of Dengue and Chikungunya virus infections in north-eastern Tanzania: A cross sectional study among participants presenting with malaria-like symptoms

#134 Zika Virus: Knowledge gaps and vaccine research and development challenges

#199 Utilize All for Health. An Observational Study

#204 Crowdsource Reporting of Infectious Diseases during a Disaster: A Novel Technology Approach

#214 Understanding research activity in the health sector of Uzbekistan: Implications for health research capacity strengthening

#233 A LAP-like process as a novel immune mechanism downstream of IFN-γ in the control of the human malaria *Plasmodium vivax* liver stage
**Monday, November 14 (continued)**

**Poster Session A (continued)**  
*Monday, November 14, Noon - 1:45 pm*  
*Hilton – Grand Ballroom and Grand Salon*

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<tbody>
<tr>
<td>#298</td>
<td>Human polymorphism assessment against the safety and efficacy usage of primaquine</td>
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<tr>
<td>#299</td>
<td>Characterization of populations crossing formal and informal borders on the Cambodia-Laos border, including identification of malaria infection and artemisinin resistance infection</td>
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<td>#313</td>
<td>Heterogeneity of <em>Plasmodium falciparum</em> malaria cases in Matabeleland South: analysis of cases reporting travel history in the early stages of an elimination program</td>
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<td>#316</td>
<td>Severe flooding and malaria transmission: Implications for disease control in an era of global climate change</td>
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<td>#321</td>
<td>Correlation between malaria infection during pregnancy and adverse birth outcomes in varied malaria transmission settings in Uganda and Burkina Faso respectively</td>
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<td>#345</td>
<td>Does a single peripheral blood sample from a malaria-infected individual capture all parasite genotypes present in an infection?</td>
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<td>#354</td>
<td>The role of inflammation and microvascular damage/repair in the pathogenesis of cerebral malaria</td>
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<td>#356</td>
<td>The influence of inhibitory molecules on Treg cells during <em>Plasmodium vivax</em> malaria</td>
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<td>#357</td>
<td>Antibodies to <em>Plasmodium falciparum</em> apical membrane antigen-1 and circumsporozoite protein are associated with protection from hospitalization after severe malaria disease</td>
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<td>#379</td>
<td>Geographic targeting of malaria interventions in Myanmar using a dynamic economic epidemiological model</td>
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<td>#386</td>
<td>Comparison of Methemoglobin Level Between Children and Adult After Treatment with Primaquine</td>
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<td>#430</td>
<td>Genotypic identification of AmpC β-Lactamases production in diarrhoeagenic <em>E. coli</em> from children under five and molecular docking of their proteins</td>
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<tr>
<td>#474</td>
<td>A Prospective Study of Scabies Outbreaks in Ten Residential Care Facilities for the Elderly</td>
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**Monday, November 14 (continued)**

**Poster Session A (continued)**  
Monday, November 14, Noon - 1:45 pm  
Hilton – Grand Ballroom and Grand Salon

- **#475** Bacterial Etiology and Outcome Of Childhood Life Threatening Infections in the Gambia: EUCLIDS in West Africa
- **#478** Iron deficiency is common in Ugandan children with sickle cell anemia
- **#514** Identification and biological characterization of novel pharmacologically active compounds obtained from high throughput screening of *Leishmania* parasite
- **#516** Evaluation of macrophage activation marker neopterin as a pharmacodynamic biomarker in visceral leishmaniasis
- **#570** Development of a novel method for *Opisthorchis viverrini* DNA detection in urine by PCR Assay
- **#578** Characterization And Functional Studies Of Serine/Threonine Protein Phosphatase 1 (PP1)Encoding Genes From *Schistosoma japonicum*
- **#582** Advancing Water Treatment for Resource Recovery to Enhance Disease Mitigation
- **#595** Quantifying the role of failing water and sanitation infrastructure on health, healthcare costs and societal wellbeing during varying disaster scenarios
- **LB-5051** Analysis of antimalarial resistance markers pfmdr1 and pfcrt across Southeast Asia from the Tracking Resistance to Artemisinin Collaboration Study

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**Tuesday, November 15**

**Scientific Session 59**

**Bacteriology: Trachoma**  
Tuesday, November 15, 8 am - 9:45 am  
Marriott - Room M103/M104/M105

- 9 am **#683** Use of Multiple Strategies to Mobilize Trachomatous Trichiasis Cases for Surgery in 4 Districts of Katsina State, Nigeria
## Tuesday, November 15 (continued)

### Poster Session B

**Tuesday, November 15, Noon - 1:45 pm**  
**Hilton – Grand Ballroom and Grand Salon**

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<tbody>
<tr>
<td>#728</td>
<td>A closer look at ADE and OAS in the secondary dengue plasmablast response</td>
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<td>#738</td>
<td>Recent scientific and clinical advances in Sanofi Pasteur’s Dengue Vaccine Program</td>
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<td>#740</td>
<td>Spatiotemporal Analyses of Dengue Hospitalizations Coded in Brazil</td>
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<td>#745</td>
<td>Comprehensive mutagenesis of HCV E1/E2 envelope to epitope map anti-Env antibodies and functional residues critical for HCV infectivity</td>
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<td>#749</td>
<td>Clinical characterization of acute patients in Brazil, Venezuela, and El Salvador in 2015/16</td>
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<tr>
<td>#751</td>
<td>Mapping the global distribution of yellow fever</td>
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<tr>
<td>#753</td>
<td>Hospitalizations by Hepatitis C between 1998 and 2013 in Brazil: An intriguing Amazonian tale</td>
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<tr>
<td>#760</td>
<td>A trial to assess the thermotolerance of an inactivated rabies vaccine</td>
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<td>#813</td>
<td>Contribution of remotely sensed data for malaria risk surveillance in Madagascar</td>
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<tr>
<td>#816</td>
<td>Malaria risk assessment using Multi Criteria Evaluation to identify priority areas for indoor residual spraying in the Central Highlands of Madagascar</td>
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<tr>
<td>#823</td>
<td>Creating a holistic framework for understanding the full impact of the Zika virus on mothers, infants, health systems and society</td>
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<tr>
<td>#824</td>
<td>Using AMR data in data-rich countries in combination with universal ‘media’ data to map antimicrobial trends and drivers across data-poor areas of Africa</td>
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<tr>
<td>#839</td>
<td>Voting for better health in deprived communities</td>
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<td>#864</td>
<td>Population genetics of the chloroquine-resistant gene Pfcrt in Cameroonian field Plasmodium falciparum isolates</td>
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<td>#867</td>
<td>Antimalarial drug-resistance; what do HIV and immunity have to do with it?</td>
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<td>#937</td>
<td>Temporal dynamics of genome-wide transcription in malarial children in Burkina Faso</td>
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<tr>
<td>#960</td>
<td>The transcription factor T-bet compromises humoral immunity to blood-stage malaria by inhibiting the efficient development of germinal centre responses</td>
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**Tuesday, November 15 (continued)**

**Poster Session B (continued)**  
*Tuesday, November 15, Noon - 1:45 pm*  
*Hilton – Grand Ballroom and Grand Salon*

| #1044 | Five-year surveillance of diphtheria outbreak in Indonesia |
| #1052 | Persistence of ST217 Clonal Complex Lineage B of Serotype 1 Pneumococcal Meningitis in Northern Ghana - The Prospect of Pneumococcal Vaccines in African meningitis Belt |
| #1057 | Blockade of CTLA-4 impairs antibacterial immunity by reducing activation of CD8+ T cells and increasing production of IL-10 by T cells in murine *Orientia tsutsugamushi* infection |
| #1090 | New methods to measure changes in infectious disease transmission from quantitative antibody measurements: examples using *Wuchereria bancrofti*, *Plasmodium falciparum*, and enteric pathogens |
| #1110 | Development of Immunocompetent Animal Models for Simultaneous and Separate Testing of Drugs on *Onchocerca* and *Loa loa* microfilariae, and *Onchocerca* adult worms |
| #1126 | Prevalence of STH at a coastal area in India - Role of students' hygiene practices, school and home sanitation facilities |
| #1144 | HIV epidemiology and coverage of HIV health services in Gem County, Siaya County, Western Kenya, 2013-2014 |
| #1157 | Outcomes of a community interventional-evaluative model for neglected diseases in East Pokot, Kenya |
| #1161 | Estimating the costs and cost-effectiveness of early diagnosis and treatment of Chagas Disease in Colombia |
| #1178 | A pilot study on human schistosomiasis in a rural community of Fianga, Republic of Chad |
| #1183 | Determining the impact of *Schistosoma mansoni* infection on public health in a high prevalence region in remote Madagascar |
| #1196 | Incorporating WASH indicators into national control program surveys for Schistosomiasis and STH in Madagascar |
| LB-5259 | HIV incidence among high risk population groups living in a peri-urban area of Maputo City, Mozambique: A cohort study |
Tuesday, November 15 (continued)

Scientific Session 83
**Bacteriology: Diarrhea - Determinants and Prevention**
*Tuesday, November 15, 1:45 pm - 3:30 pm*
*Marriott - Imperial B*

3:15 pm  #1207 A Phase 1 Open-label, Dose Escalating Study of Artificial *Shigella flexneri* 2a Invaplex administered intranasally to healthy, adult volunteers

Wednesday, November 16

Scientific Session 116
**Arthropods: Other Arthropods**
*Wednesday, November 16, 8 am - 9:45 am*
*Marriott - Room A703/A704*

8 am  #1276 *Aedes albopictus* at altitude: what cost for chikungunya and dengue transmission?

Poster Session C
*Wednesday, November 16, Noon - 1:45 pm*
*Hilton – Grand Ballroom and Grand Salon*

#1341 Seasonal Prevalence of Alphaviruses and Flaviviruses in Children in Western Kenya

#1368 Superensemble forecasts of dengue outbreaks

#1380 Guillain-Barré syndrome risk among individuals infected with Zika virus

#1411 Spatio-temporal evolution of resistance to deltamethrin and kdr mutations in *Aedes aegypti* populations in French Guiana: A worrying situation for vector control

#1441 Detection of mammalian antibodies against Ross River Virus in mosquito blood meals and potential for arbovirus surveillance

#1471 The Global Health Exchange Fellowship, a pilot program

#1505 Using polypharmacology to identify novel drugs and drug targets against malaria infection

#1657 Plant-Mediated Effects on Mosquito Capacity to Transmit Human Malaria

#1684 Leptospiral DNA in febrile patients from semi-rural communities in Manabí-Ecuador

#1709 Podoconiosis: Genetic Predisposition Northern Province, Rwanda, Africa
**Poster Session C (continued)**

*Wednesday, November 16, Noon - 1:45 pm*

Hilton – Grand Ballroom and Grand Salon

#1730  Comparison of Kato-Katz, Mini-FLOTAC and Multi-Parallel Real-Time Polymerase Chain Reaction Techniques for Detection of Soil-Transmitted Helminths in Feira de Santana, Brazil

#1737  Prevalence of Cervical Cancer (CC) screening and the role of knowledge of CC risk and screening guidelines for women living with HIV in Lima, Peru

#1743  Levering HIV diagnostic and care infrastructure in Rwanda to accelerate the roll-out of new pediatric TB treatment formulations

#1745  *Trypanosoma cruzi* inhibition of SIRT1/PGC1 activity contributes to antioxidant/oxidant imbalance but not to mitochondrial biogenic defects: Benefits of SIRT1-targeted therapy in Chagas disease

#1760  Oxygen Metabolism Regulates Macrophage Susceptibility to *Trypanosoma cruzi*

#1784  Spatiotemporal Modeling of Schistosomiasis in Ghana: Linking Remote Sensing Data to Infectious Disease

#LB-5368  A Hybridization-Based Enrichment Strategy to Increase the Efficiency of Next Generation Sequencing of Dengue Viruses in Sri Lanka Allows for Higher Resolution Phylogenetic Analysis

#LB-5377  Sustaining community event-based surveillance in the post-Ebola recovery period in Sierra Leone: Signals of the potential impact of a change in swabbing policy on death reporting, January-July 2016

#LB-5420  Ebola virus prevention and response, and Zika virus informational workshops in The Gambia, West Africa

**Scientific Session 136**

**Global Health: mHealth, Vaccines and Strategies**

*Wednesday, November 16, 1:45 pm - 3:30 pm*

*Marriott - Marquis A*

2:15 pm  #1809 Multimedia tool for obtaining informed consent in The Gambia: A mixed method study

3:15 pm  #1813 Snakebite: Strategies to reverse the public health neglect of tropical snakebite victims
Thursday, November 17

Scientific Session 173
Pneumonia, Respiratory Infections and Tuberculosis II
Thursday, November 17, 10:15 am - Noon
Marriott - Marquis B
11:45 am  #1901 Etiology of acute lower respiratory infections in inpatient children in Ghana - a case-control study

Scientific Session 176
Kinetoplastida: Molecular Biology and Immunology
Thursday, November 17, 10:15 am - 12:15 pm
Marriott - Room M103/M104/M105
11:45 am  #1908 Evaluation of the use of *Leishmania donovani* double knock-out parasites (LdCen-/MIF-/−) as protective vaccine against visceral leishmaniasis

Scientific Session 182
HIV and Tropical Co-Infections
Thursday, November 17, 10:15 am - Noon
Marriott - Room A706/A707
11:15 am  #1927 Persistence of lower antibody levels to VAR2CSA in HIV-positive Kenyan pregnant women despite HAART