

Young Investigator Award Session E

Sunday, November 13, 2016, 10:00 am - 3:00 pm

Marriott - Room A707

The Young Investigator Award is presented to outstanding young researchers during the Annual Meeting. This award encourages developing young scientists to pursue careers in various aspects of tropical disease research. Support these young scientists by attending their presentations during this session.

Presentation Number	Title	Author Block
	Judge	Subash Babu NIH, Bethesda, MD, United States.
	Judge	Vitaliano A Cama CDC, Atlanta, GA, United States.
	Judge	Nicole Gottdenker University of Georgia, ATHENS, GA, United States.
	Judge	Albert Ko Yale School of Public Health, New Haven, CT, United States.
84	Maternal Parasitic Infections Alter Infant Antibody Response to Pneumococcal Immunization	Noah D. McKittrick ¹ , David M. Vu ¹ , Derek Boothroyd ¹ , Indu Malhotra ² , Charles H. King ² , Francis M. Mutuku ³ , Angelle Desiree LaBeaud ¹ <i>¹Stanford University, Palo Alto, CA, United States, ²Case Western Reserve University School of Medicine, Cleveland, OH, United States, ³Technical University of Mombasa, Mombasa, Kenya</i>
200	Using an Innovative Telehealth Model to Support Providers in Geographically Dispersed Areas Who Deliver Care to HIV-Positive Pregnant Women	Tara Ness ¹ , Mary F. Annese ² , Natalia Martinez-Paz ² , Kenton T. Unruh ² , David H. Spach ² , Brian R. Wood ² <i>¹University of Washington, Seattle, WA, United States, ²University of Washington, Frontier AETC, Seattle, WA, United States</i>
224	Low Cost, Imaging Based Device for Performing a White Blood Cell Count and 3-Part Differential at the Point of Care	Catherine E. Majors , Michal Pawlowski, Tomasz Tkaczyk, Rebecca Richards-Kortum <i>Rice University, Houston, TX, United States</i>
237	Combating anemia with iron supplementation may inevitably cause a transient increase in malaria risk	Morgan M. Goheen ¹ , Rita Wegmuller ² , Amat Bah ² , Bakary Darboe ² , Ebrima Danso ² , Andrew M. Prentice ³ , Carla Cerami ¹ <i>¹UNC Chapel Hill School of Medicine, Chapel Hill, NC, United States, ²MRC International Nutrition Group, Kenema, Gambia, ³London School of Hygiene and Tropical Medicine, London, United Kingdom</i>
481	A novel electronic algorithm using host biomarker point-of-care	Kristina Keitel ¹ , Frank Kagoro ² , John Masimba ² , Tarsis Mlaganile ² , Zamzam Said ² , Josephine Samaka ² ,

	tests for management of fever in under-fives in resource-poor settings (e-POCT): a controlled, non-inferiority study	<p>Hosiana Temba³, Willy Sangu⁴, Alain Gervais⁵, Valérie D'Acremont⁶, Blaise Genton⁷</p> <p>¹Swiss Tropical and Public Health Institute/Boston Children's Hospital, Basel, Switzerland, ²Ifakara Health Institute, Dar es Salaam, Tanzania, United Republic of, ³Ifakara Health Institute, Basel, Tanzania, United Republic of, ⁴Dar es Salaam City Council, Dar es Salaam, Tanzania, United Republic of, ⁵University Children's Hospital Geneva, Geneva, Switzerland, ⁶Swiss Tropical and Public Health Institute/Policlinique Universitaire Médicale Lausanne, Basel, Switzerland, ⁷Swiss Tropical and Public Health Institute/University Hospital Lausanne, Basel, Switzerland</p>
536	Risk factors for acute human brucellosis in northern Tanzania	<p>Shama Cash-Goldwasser¹, Michael J. Maze², Matthew P. Rubach³, Holly M. Biggs³, Robyn A. Stoddard⁴, Katrina J. Sharples⁵, Jo E. Halliday⁶, Sarah Cleaveland⁶, Michael Shand⁶, Blandina T. Mmbaga⁷, Charles Muiruri¹, Wilbrod Saganda⁸, Bingileki F. Lwezaula⁸, Rudovick R. Kazwala⁹, Venance P. Maro⁷, John A. Crump²</p> <p>¹Duke Global Health Institute, Duke University, Durham, NC, United States, ²Centre for International Health, University of Otago, Dunedin, New Zealand, ³Division of Infectious Diseases, Duke University Medical Center, Durham, NC, United States, ⁴Centers for Disease Control and Prevention, Bacterial Special Pathogens Branch, Atlanta, GA, United States, ⁵Department of Mathematics and Statistics, University of Otago, Dunedin, New Zealand, ⁶Boyd Orr Centre for Population and Ecosystem Health, Institute of Biodiversity, Animal Health and Comparative Medicine, University of Glasgow, Glasgow, United Kingdom, ⁷Kilimanjaro Christian Medical Centre, Moshi, Tanzania, United Republic of, ⁸Mawenzi Regional Referral Hospital, Moshi, Tanzania, United Republic of, ⁹Department of Veterinary Medicine and Public Health, Sokoine University of Agriculture, Morogoro, Tanzania, United Republic of</p>
538	Leptospira Seroprevalence and Risk Factors in Health Centre Patients in Hoima District, Western Uganda	<p>Jonathan Dyal¹, Anou Dreyfus², Raewynne Pearson³, Clovice Kankya⁴, Charles Kajura⁵, Lordrick Anaitwe⁴, Steven Kakooza⁴, Katey Pelican⁶, Dominic Travis⁶, Michael Mahero⁶, David R. Boulware⁷, Lawrence Mugisha⁴</p> <p>¹Baylor College of Medicine, Houston, TX, United States, ²University of Zurich, Zurich, Switzerland,</p>

		³ Massey University, Palmerston North, New Zealand, ⁴ College of Veterinary Medicine, Makerere University, Kampala, Uganda, ⁵ Hoima District Government, Hoima, Uganda, ⁶ College of Veterinary Medicine, University of Minnesota, Minneapolis, MN, United States, ⁷ Department of Medicine, University of Minnesota, Minneapolis, MN, United States
539	Impact of Rev1 livestock vaccination on the risk of human brucellosis in Azerbaijan	Ian Kracalik¹ , Rita Ismayilova ² , Mehriban Baghirova ³ , Jason K. Blackburn ¹ ¹ University of Florida, Gainesville, FL, United States, ² Anti-Plague Station, Baku, Azerbaijan, ³ State Veterinary Service, Baku, Azerbaijan
640	Risk factors for acute leptospirosis in northern Tanzania	Michael J. Maze¹ , Shama Cash-Goldwasser ² , Holly M. Biggs ³ , Matthew P. Rubach ³ , Renee L. Galloway ⁴ , Katrina J. Sharples ⁵ , Kathryn J. Allan ⁶ , Jo E. Halliday ⁶ , Sarah Cleaveland ⁶ , Michael C. Shand ⁶ , Charles Muiriri ² , Rudovick R. Kazwala ⁷ , Wilbrod Saganda ⁸ , Bingileki F. Lwezaula ⁸ , Blandina T. Mmbaga ⁹ , Venance P. Maro ⁹ , John A. Crump ¹ ¹ Centre for International Health, University of Otago, Dunedin, New Zealand, ² Duke Global Health Institute, Durham, NC, United States, ³ Division of Infectious Diseases, Duke University Medical Center, Durham, NC, United States, ⁴ Centers for Disease Control and Prevention, Bacterial Special Pathogens Branch, Atlanta, GA, United States, ⁵ Department of Mathematics and Statistics, University of Otago, Dunedin, New Zealand, ⁶ Boyd Orr Centre for Population and Ecosystem Health, Institute of Biodiversity, Animal Health and Comparative Medicine, University of Glasgow, Glasgow, United Kingdom, ⁷ Department of Veterinary Medicine and Public Health, Sokoine University of Agriculture, Morogoro, Tanzania, United Republic of, ⁸ Mawenzi Regional Referral Hospital, Moshi, Tanzania, United Republic of, ⁹ Kilimanjaro Christian Medical Centre, Moshi, Tanzania, United Republic of
708	Identification of factors associated with chronic chikungunya disease in patients in Grenada, West Indies	Claire J. Heath¹ , Jason Lowther ² , Trevor P. Noël ² , Idis Mark-George ² , Derek B. Boothroyd ¹ , Calum N. MacPherson ² , A. Desiree LaBeaud ¹ ¹ Stanford University, San Francisco, CA, United States, ² WINDREF, St. George's University, St. George's, Grenada

761	Risk Factors for Antibody Loss after Hepatitis E Virus Natural Infection or Vaccination: Results of a Multi-site Cohort Study	<p>Brittany L. Kmush¹, Ting Wu², Tuly Rahman³, Huan Yu², Kenrad Nelson¹, James W. Shih², K. Zaman³, Alain B. Labrique¹</p> <p>¹<i>Johns Hopkins School of Public Health, Baltimore, MD, United States</i>, ²<i>National Institute of Diagnostics and Vaccine Development in Infectious Diseases, The Key Laboratory of the Ministry of Education for Cell Biology and Tumour Cell Engineering, Xiamen University, Xiamen, China</i>, ³<i>International Center for Diarrheal Disease Research, Bangladesh, Dhaka, Bangladesh</i></p>
835	Linking Household and Point-of-care Data to Estimate Coverage of Appropriate Management of Childhood Illness in Southern Province, Zambia	<p>Emily Carter¹, Micky Ndhlovu², Emmy Nkhama², Melinda Munos¹, Joanne Katz³, Thomas P. Eisele⁴</p> <p>¹<i>Institute for International Programs, Johns Hopkins School of Public Health, Baltimore, MD, United States</i>, ²<i>Chainama College of Health Sciences, Lusaka, Zambia</i>, ³<i>Johns Hopkins School of Public Health, Baltimore, MD, United States</i>, ⁴<i>Center for Applied Malaria Research and Evaluation, Tulane School of Public Health and Tropical Medicine, New Orleans, LA, United States</i></p>
1030	Risk factors associated with typical enteropathogenic Escherichia coli infection among children <5 years old with moderate-to-severe diarrhea in rural western Kenya, 2008-2012	<p>Kirsten Fagerli¹, Richard Omore², Sunkyung Kim³, John B. Ochieng², Tracy Ayers³, Tamer H. Farag⁴, Dilruba Nasrin⁴, Sandra Panchalingam⁴, Roy M. Robins-Browne⁵, James P. Nataro⁴, Karen L. Kotloff⁴, Myron M. Levine⁴, Joseph Oundo², Michele B. Parsons³, Kayla Laserson⁶, Eric D. Mintz³, Robert F. Breiman⁷, Ciara E. O'Reilly³</p> <p>¹<i>Emory University, Atlanta, GA, United States</i>, ²<i>Kenya Medical Research Institute/Centers for Disease Control and Prevention, Kisumu, Kenya</i>, ³<i>Division of Foodborne, Waterborne and Environmental Diseases, Centers for Disease Control and Prevention, Atlanta, GA, United States</i>, ⁴<i>University of Maryland, School of Medicine, Center for Vaccine Development, Baltimore, MD, United States</i>, ⁵<i>Department of Microbiology and Immunology, The University of Melbourne, Victoria, Australia</i>, ⁶<i>Centers for Disease Control and Prevention, Kisumu, Kenya</i>, ⁷<i>Centers for Disease Control and Prevention, Nairobi, Kenya</i></p>
1049	Methicillin-sensitive and methicillin-resistant Staphylococcus aureus (MRSA) carriage at a Ugandan regional referral hospital	<p>Lisa M. Bebell¹, Arnold Ayebare², Yap Boum Il³, Mark J. Siedner¹, Joel Bazira², Steven J. Schiff⁴, Joshua P. Metlay¹, David R. Bangsberg¹, Stephen Ttendo², Paul G. Firth¹</p> <p>¹<i>Massachusetts General Hospital, Boston, MA, United</i></p>

		<i>States, ²Mbarara University of Science and Technology, Mbarara, Uganda, ³Epicentre Research Base, Mbarara, Uganda, ⁴The Pennsylvania State University, Hershey, PA, United States</i>
1905	Activation of human keratinocytes by Leishmania spp.: divergent effects of Leishmania infantum versus Leishmania major	Breanna Scorza , Mark Wacker, Kelly Messingham, Janet Fairley, Mary Wilson <i>University of Iowa, Iowa City, IA, United States</i>
1917	High Serum Zinc Levels Protect against Rotavirus Infection but Not Other Diarrhea-Associated Pathogens in a Birth Cohort in Bangladesh	E. Ross Colgate ¹ , Dorothy M. Dickson ¹ , Rashidul Haque ² , Mami Taniuchi ³ , James A. Platts-Mills ³ , Josyf C. Mychaleckyj ³ , Uma Nayak ³ , Marya P. Carmolli ¹ , William A. Petri ³ , Beth D. Kirkpatrick ¹ <i>¹University of Vermont College of Medicine, Burlington, VT, United States, ²icddr,b, Dhaka, Bangladesh, ³University of Virginia, Charlottesville, VA, United States</i>
1928	ASSESSING IMPACT OF COMMUNITY-BASED ANTIRETROVIRAL THERAPY AND ITS SCALE UP: PERSPECTIVES FROM FOUR PRIORITY LOCAL GOVERNMENT AREAS IN LAGOS, NIGERIA	Chinedu O. Oraka ¹ , Babatunde Odusolu ¹ , Adegbenla Olarinoye ¹ , Chinedu Agbakwuru ² , Titi Badru ² , Ifeyinwa Ndubuisi ¹ , Mariam Adeyemi ¹ , Ebere Iwerumoh ¹ , Adedoyin Ogunyemi ¹ <i>¹FHI 360, Lagos, Nigeria, ²FHI 360, Abuja, Nigeria</i>