

Young Investigator Award Session D

Sunday, November 5, 2017, 10:00 am - 3:00 pm

Convention Center - Room 328/329 (Level 300)

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	Stephen Davies <i>Department of Microbiology and Immunology, USUHS, Bethesda, MD, United States</i>
	Judge	Miranda Oakley <i>FDA, Silver Spring, MD, United States</i>
	Judge	Prakash Srinivasan <i>NIH, Rockville, MD, United States</i>
117	Therapeutic potential of Interferon- α and Ribavirin as combination therapy against Dengue virus in different cell lines	Camilly P. Pires de Mello , George L. Drusano, Justin J. Pomeroy, Evelyn J. Franco, Jaime L. Rodriguez, Ashley N. Brown <i>University of Florida, Orlando, FL, United States</i>
370	<i>Var</i> code: a new molecular epidemiology tool for monitoring <i>Plasmodium falciparum</i> in a high transmission area of Ghana, West Africa	Shazia Ruybal-Pesántez ¹ , Kathryn E. Tiedje ¹ , Gerry Tonkin-Hill ² , Shai Pilosof ³ , Abraham Oduro ⁴ , Kwadwo A. Koram ⁵ , Mercedes Pascual ³ , Karen P. Day ¹ ¹ <i>Bio21 Institute/University of Melbourne, Melbourne, Australia</i> , ² <i>Walter and Eliza Hall Institute, Melbourne, Australia</i> , ³ <i>University of Chicago, Chicago, IL, United States</i> , ⁴ <i>Navrongo Health Research Centre, Navrongo, Ghana</i> , ⁵ <i>Noguchi Memorial Institute for Medical Research, Legon, Ghana</i>
377	Novel <i>Plasmodium vivax</i> Duffy Binding Protein vaccine candidate are associated strong and persistent naturally acquired IgG and binding-inhibitory antibodies response, in long-term exposure population	Camilla V. Pires ¹ , Jéssica R. Alves ¹ , Barbara A. Lima ¹ , Flora S. Kano ¹ , Francis B. Ntumngia ² , John H. Adams ² , Luzia H. Carvalho ¹ ¹ <i>Research Center René Rachou, Fundação Oswaldo Cruz (FIOCRUZ), Belo Horizonte, Brazil</i> , ² <i>Department of Global Health, College of Public Health, University of South Florida, Tampa, FL, United States</i>

684	Antibiotic resistance in dense, low-income neighborhoods: the role of sanitation in gene dispersion	David Berendes ¹ , David Holcomb ² , Jackie Knee ¹ , Trent Sumner ¹ , Rassul Nala ³ , Joe Brown ¹ <i>¹Georgia Institute of Technology, Atlanta, GA, United States, ²University of North Carolina, Chapel Hill, NC, United States, ³Ministerio da Saude, Maputo, Mozambique</i>
703	NOT1-G is a novel member of the CAF1/CCR4/NOT complex that is essential for host to vector malarial transmission	Kevin J. Hart , Michael P. Walker, Scott E. Lindner <i>The Pennsylvania State University, University Park, PA, United States</i>
738	Trafficking and Topology Identification of <i>Plasmodium falciparum</i> Maurer's Cleft two Transmembrane protein	Raghavendra Yadavalli ¹ , John W. Peterson ² , Judith A. Drazba ² , Tobili Yvonne Sam-Yellowe ¹ <i>¹Cleveland State University, Cleveland, OH, United States, ²The Cleveland Clinic, Cleveland, OH, United States</i>
940	Complexity of infection and parasite relatedness of <i>Plasmodium falciparum</i> parasite populations in patients administered artemether-lumefantrine (AL) in Kenya	Lorna J. Chebon ¹ , Peninnah Muiruri ² , Dennis Juma ³ , Hosea M. Akala ³ , Ben Andagalu ³ , Edwin Kamau ⁴ , Matthew Brown ³ <i>¹JKUAT/Institute of Tropical Medicine and Infectious Diseases (ITROMID)/Walter Reed Project, Kisumu, Kenya, ²Africa Biosystems Limited, Nairobi-Kenya, Nairobi, Kenya, ³KEMRI/USAMRD-K/Walter Reed Project, Kisumu, Kenya, ⁴Walter Reed National Medical Military Center, Bethesda, MD, United States</i>
983	Identification of approved drugs that have activity against <i>Plasmodium falciparum</i> using <i>in silico</i> and <i>in vitro</i> approaches	Reagan M. Mogire ¹ , Hoseah M. Akala ² , Dennis W. Juma ² , Agnes C. Cheruiyot ² , Rosaline W. Macharia ³ , Hans A. Elshemy ⁴ , Ben Andagalu ² , Matthew L. Brown ² , Steven G. Nyanjom ⁵ <i>¹Pan African University, Nairobi, Kenya, ²United States Army Medical Research Directorate – Kenya (The Walter Reed Project), Kisumu, Kenya, ³University of Nairobi Centre for Biotechnology and Bioinformatics, Kenya Medical Research Institute/U.S., Kenya, ⁴Cairo University, Cairo, Egypt, ⁵Jom Kenyatta University of Agriculture and Technology, Kenya Medical Research Institute/U.S., Kenya</i>
1043	Quantifying <i>var</i> gene expression in uncomplicated malaria	Emily M. Stucke ¹ , Antoine Dara ¹ , James Matsumura ² , Matthew Adams ¹ , Kara A. Moser ² , Drissa Coulibaly ³ , Modibo Daou ³ ,

	infections using whole genome sequence data	<p>Ahmadou Dembele³, Issa Diarra³, Abdoulaye K. Kone³, Bourema Kouriba³, Matthew B. Laurens¹, Amadou Niangaly³, Karim Traore³, Youssouf Tolo³, Mahamadou A. Thera³, Abdoulaye A. Djimde³, Ogobara K. Doumbo³, Christopher V. Plowe¹, Joana C. Silva², Mark A. Travassos¹</p> <p>¹<i>Division of Malaria Research, Institute for Global Health, University of Maryland School of Medicine, Baltimore, MD, United States,</i> ²<i>Institute for Genome Sciences, University of Maryland School of Medicine, Baltimore, MD, United States,</i> ³<i>Malaria Research and Training Center, University of Science, Techniques and Technologies, Bamako, Mali</i></p>
1225	Anti-leishmanial Activities of Synthetic Endoperoxides, N-89 and N-251	<p>Kofi D. Kwofie¹, Sato Kai², Akina Hino¹, Sanjoba Chizu², Shimogawara Rieko¹, Irene Ayi³, Daniel Boakye³, Hye-Sook Kim⁴, Mitsuko Ohashi¹, Yoshitsugu Matsumoto², Nobuo Ohta¹</p> <p>¹<i>Tokyo Medical and Dental University, Tokyo, Japan,</i> ²<i>The University of Tokyo, Tokyo, Japan,</i> ³<i>Noguchi Memorial Institute for Medical Research, Accra, Ghana,</i> ⁴<i>Okayama University, Okayama, Japan</i></p>
1297	A malaria genetic cross generated in a humanized mouse indicate multi-gene control of resistances to artemisinin and piperazine	<p>Sage Z. Davis¹, Lisa Checkley¹, Richard S. Pinapati¹, Ashley Vaughan², Matthew Fishbaugher², Nelly Camargo², Marina McDew-White³, Shalini Nair³, François H. Nosten⁴, Stefan Kappe², Ian Cheeseman³, Timothy JC Anderson³, Michael T. Ferdig¹</p> <p>¹<i>Eck Institute for Global Health, Department of Biological Sciences, University of Notre Dame, South Bend, IN, United States,</i> ²<i>Center for Infectious Disease Research, Seattle, WA, United States,</i> ³<i>Texas Biomedical Research Institute, San Antonio, TX, United States,</i> ⁴<i>Shoklo Malaria Research Unit, Mahidol-Oxford Tropical Medicine Research Unit, Mahidol, Mahidol, Thailand</i></p>
1300	Transcriptional response of <i>P. vivax</i> parasites to chloroquine in vivo	<p>Adam Kim¹, Jean Popovici², Didier Menard², David Serre¹</p> <p>¹<i>University of Maryland, Baltimore, MD,</i></p>

		<i>United States, ²Institut Pasteur in Cambodia, Phnom Penh, Cambodia</i>
1320	Comparison of PCR-methods for <i>Onchocerca volvulus</i> detection in skin biopsies from the Tshopo Province, DRC	Jessica Prince-Guerra ¹ , Vitaliano A. Cama ² , Nana Wilson ² , Josias Likwela ³ , Nestor Ndakala ⁴ , J. Muzinga Muzinga ⁴ , Nicholas Ayebazibwe ⁵ , Yassa Ndjakani ⁶ , Naomi Awaca ³ , D. Mumba ⁷ , Antoinete Tshefu ⁸ , Paul Cantey ² <i>¹ASM/CDC Fellowship Program, Atlanta, GA, United States, ²CDC, Atlanta, GA, United States, ³Programme National de la Lutte contre l'Onchocercose, Kinshasa, Congo, Democratic Republic of the, ⁴FELTP, Kinshasa, Congo, Democratic Republic of the, ⁵AFENET, Kampala, Uganda, ⁶CDC-DRC, Kinshasa, Congo, Democratic Republic of the, ⁷Institut National de Recherche Biomedicale, Kinshasa, Congo, Democratic Republic of the, ⁸Ecole de Sante Publique, Kinshasa, Congo, Democratic Republic of the</i>
1343	Using single-cell transcriptomics to elucidate sexual commitment and differentiation in <i>Plasmodium falciparum</i>	Katelyn A. Walzer , Liane Y. Emerson, Danielle Kubicki, David L. Corcoran, Jen-Tsan Ashley Chi <i>Duke University, Durham, NC, United States</i>
1646	Optimizing approaches to generate whole-genome sequence from non-leukocyte depleted <i>Plasmodium falciparum</i> clinical samples	Zalak Shah ¹ , Matthew Adams ¹ , Kara Moser ² , Miriam K. Laufer ¹ , Joana C. Silva ² , Shannon Takala Harrison ¹ <i>¹Division of Malaria Research, Institute for Global Health, University of Maryland School of Medicine, Baltimore, MD, United States, ²Institute for Genome Sciences, University of Maryland School of Medicine, Baltimore, MD, United States</i>
1649	Whole genome sequence capture to generate high quality genomic data for <i>Plasmodium vivax</i> from clinical isolates	Sonia Agrawal ¹ , Fang Huang ¹ , Biraj Shrestha ¹ , Matthew Adams ¹ , Sandra Ott ² , Lisa Sadzewicz ² , Hui Liu ³ , David Serre ¹ , Shannon Takala-Harrison ¹ , Christopher V. Plowe ⁴ , Myaing M. Nyunt ¹ , Joana C. Silva ² <i>¹Division of Malaria Research, Institute for Global Health, University of Maryland School of Medicine, Baltimore, MD, United States, ²Institute for Genome Sciences, University of Maryland School of Medicine, Baltimore, MD,</i>

		<i>United States, ³Yunnan Institute of Parasitic Diseases, Pu'er, China, ⁴Institute for Global Health, University of Maryland School of Medicine, Baltimore, MD, United States</i>
1659	Gene co-expression network analysis of malaria parasite transcription refines potential gene interaction underlying artemisinin resistance	Katrina A. Button-Simons , Sage Z. Davis, Michael T. Ferdig <i>Eck Institute for Global Health, Department of Biological Sciences, University of Notre Dame, Notre Dame, IN, United States</i>
1663	Accurate assembly of regions of complex diversity in <i>P. falciparum</i> from shotgun genome sequencing and assessment of strain specific immunity--towards optimal formulation of polyvalent vaccines	Nicholas J. Hathaway ¹ , James Kazura ² , Ann M. Moormann ¹ , John Vulule ³ , Jonathan J. Juliano ¹ , Jeffrey A. Bailey ¹ <i>¹University Of Massachusetts Medical School, Worcester, MA, United States, ²Case Western Reserve University, Cleveland, OH, United States, ³Kenya Medical Research Institute, Busia, Kenya</i>
1880	Evidence of RNA editing in <i>Babesia microti</i>	Olukemi O. Ifeonu , Ankit Dwivedi, Joana C. Silva <i>University of Maryland School of Medicine, Baltimore, MD, United States</i>