

Young Investigator Award Session C

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

Convention Center - Room 325/326 (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	David L. Narum <i>Malaria Vaccine Development Branch, National Institutes of Health, Rockville, MD, United States</i>
	Judge	Roshanak T. Semnani <i>NIAID, NIH, Bethesda, MD, United States</i>
	Judge	Elia Wojno <i>Cornell Veterinary School, Ithaca, NY, United States</i>
53	To Kill Parasite the Natural Killer Way: Antibody mediated cellular immune response against blood stage malaria	Gunjan Arora ¹ , Javier Manzella-Lapeira ¹ , David L. Narum ¹ , Patrick E. Duffy ¹ , Louis H. Miller ¹ , Susan K. Pierce ¹ , Sanjay A. Desai ¹ , Geoffrey T. Hart ² , Eric O. Long ¹ <i>¹NIAID, NIH, Rockville, MD, United States, ²Division of Infectious Disease and International Medicine, Department of Medicine, University of Minnesota, Minneapolis, MN, United States</i>
74	The early plasmablast derived antibody response to primary dengue virus infection	Usha Nivarthi ¹ , Bhumi Patel ¹ , Matt Delacruz ¹ , Anna Durbin ² , Steve Whitehead ³ , Ralph Baric ¹ , Sean Diehl ⁴ , Daniel Emerling ⁵ , Aravinda Desilva ¹ <i>¹University of North Carolina, Chapel Hill, NC, United States, ²Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, ³Laboratory of Infectious Diseases, Bethesda, MD, United States, ⁴The University of Vermont, Burlington, VT, United States, ⁵Atreca Inc., San Francisco, CA, United States</i>

191	20-hydroxyecdysone (20E) induces priming of mosquito immunity and limits malaria parasite infection in <i>Anopheles gambiae</i>	Rebekah Reynolds , Ryan Smith <i>Iowa State University, Ames, IA, United States</i>
387	Identifying the Components of Severe Malaria Acidosis by Metabolomics	Stije J. Leopold <i>Mahidol-Oxford Tropical Medicine Research Unit, Bangkok, Thailand</i>
489	Angiogenesis and blood-brain barrier disruption in rat model for neurocysticercosis	Rogger Carmen ¹ , Nancy Chile ¹ , Danitza Dávila ¹ , Yudith Cauna ¹ , Edson Bernal ¹ , Gino Castillo ¹ , Manuela Verástegui ¹ , Robert Gilman ² , Cysticercosis Working Group in Peru ¹ ¹ <i>Universidad Peruana Cayetano Heredia, Lima, Peru</i> , ² <i>Johns Hopkins University, Baltimore, MD, United States</i>
647	Determining the mechanism of endosymbiosis between filarial nematodes and <i>Wolbachia</i>	Alexandra Grote ¹ , Denis Voronin ² , Swapna Sheshadri ³ , Dave Curran ³ , Sara Lustigman ² , John Parkinson ³ , Elodie Ghedin ¹ ¹ <i>New York University, New York, NY, United States</i> , ² <i>New York Blood Center, New York, NY, United States</i> , ³ <i>University of Toronto, Toronto, ON, Canada</i>
675	Chemical depletion of granulocytes reveals contributions of hemocytes to anti- <i>Plasmodium</i> immunity	Hyeogsun Kwon , Ryan C. Smith <i>Department of Entomology, Iowa State University, Ames, IA, United States</i>
687	The effect of chronic helminth infection on IgE-mediated anaphylaxis in sensitized mice	Laura E. Kropp , Edward Mitre <i>Uniformed Services University, Bethesda, MD, United States</i>
689	Transcriptomic-based functional characterization of host systemic adverse events following lymphatic filariasis treatment	Britt Andersen ¹ , Bruce Rosa ¹ , Abdoulaye Meité ² , Christopher King ³ , Makedonka Mitreva ¹ , Peter Fischer ¹ , Gary Weil ¹ ¹ <i>Washington University School of Medicine, St. Louis, MO, United States</i> , ² <i>Programme national de la lutte contre la schistosomiase, les geohelminthiases et la filariose lymphatique, Abidjan, Côte D'Ivoire</i> , ³ <i>Case Western Reserve University, Cleveland, OH, United States</i>
770	Targeting inhibitory receptors LAG3 and TIM3 to enhance anti parasitic	Rajiv Kumar ¹ , Neetu Singh ¹ , Bhavana Singh ¹ , Shashi Bhushan Chauhan ¹ , Christian Engwerda ² , Shyam Sundar ¹

	CD4 T cell responses in visceral leishmaniasis	¹ Banaras Hindu University, Varanasi, India, ² QIMR Berghofer Medical Research Institute, Brisbane, Australia
1056	Immunobiology of the Kupffer cell-sporozoite interaction	Rebecca E. Tweedell ¹ , Henry C. Law ² , Timothy Hamerly ² , Zhaoli Sun ¹ , Rhoel R. Dinglasan ² ¹ Johns Hopkins School of Medicine, Baltimore, MD, United States, ² University of Florida, Gainesville, FL, United States
1058	Identifying RIFIN and STEVOR epitopes associated with malaria exposure using peptide and protein microarrays	Albert E. Zhou ¹ , Andrea A. Berry ¹ , Jason A. Bailey ¹ , Andrew Pike ¹ , Antoine Dara ¹ , Sonia Agrawal ¹ , Amed Ouattara ¹ , Drissa Coulibaly ² , Youssef Tolo ² , Kristen Lyke ¹ , Matthew B. Laurens ¹ , Matthew Adams ¹ , Shannon Takala Harrison ¹ , Jozelyn Pablo ³ , Algis Jasinskis ³ , Rie Nakajima ³ , Amadou Niangaly ² , Bourema Kouriba ² , Abdoulaye K. Kone ² , J. Alexandra Rowe ⁴ , Ogobara K. Doumbo ² , Mahamadou A. Thera ² , Myaing M. Nyunt ¹ , Jigar J. Patel ⁵ , John C. Tan ⁵ , Phillip L. Felgner ³ , Christopher V. Plowe ¹ , Mark A. Travassos ¹ ¹ Division of Malaria Research, Institutes of Global Health, University of Maryland School of Medicine, Baltimore, MD, United States, ² Malaria Research and Training Center, University Science, Techniques and Technologies, Bamako, Mali, ³ Division of Infectious Diseases, Department of Medicine, University of California, Irvine, CA, United States, ⁴ Centre for Immunity, Infection and Evolution, Institute of Immunology and Infection Research, School of Biological Sciences, University of Edinburgh, Edinburgh, United Kingdom, ⁵ Roche NimbleGen Inc., Madison, WI, United States
1230	Identification of Anti- <i>Trypanosoma cruzi</i> Lead Compounds with Putative Immunomodulatory Activity	Isabela Natália P. do Vale ¹ , Dayane A. Ottaa ¹ , Fernanda F. Araújo ¹ , Elaine M. Fagundes ² , Vítor B. Rezende ¹ , Matheus F. Silva ¹ , Raiany A. Santos ¹ , Heloísa A.

		Costa¹, Silvana M. Elói-Santos³, James McKerrow⁴, Jair S. Neto⁴, Olindo A. Martins-Filho¹, Andréa T. Carvalho¹ ¹<i>Grupo Integrado de Pesquisas em Biomarcadores, Centro de Pesquisas René Rachou, Fundação Oswaldo Cruz, Belo Horizonte, Minas Gerais, Brazil, Belo Horizonte, Brazil,</i> ²<i>Departamento de Fisiologia e Biofísica, Universidade Federal de Minas Gerais, Belo Horizonte, Minas Gerais, Brazil., Belo Horizonte, Brazil,</i> ³<i>Grupo Integrado de Pesquisas em Biomarcadores, Centro de Pesquisas René Rachou, Fundação Oswaldo Cruz, Belo Horizonte, Minas Gerais, Brazil e Departamento de Propedêutica Complementar, Faculdade de Medicina, Universidade Federal de Minas Gerais, Belo Hori, Belo Horizonte, Brazil,</i> ⁴<i>Skaggs School of Pharmacy and Pharmaceutical Sciences, University of California, San Diego, USA, Belo Horizonte, Brazil</i>
1461	Identification of Metabolic Choke Points for Controlling Dengue Virus Type 2 Infection in the Midgut of <i>Aedes aegypti</i> Mosquitoes	Nunya Chotiwan¹, Barbara G. Andre¹, Irma Sanchez-Vargas¹, Jeffrey M. Grabowski², Amber Hopf-Jannasch², Erik Gough², Ernesto Nakayasu², Carol D. Blair¹, Catherine A. Hill², Richard J. Kuhn², Rushika Perera¹ ¹<i>Colorado State University, Fort Collins, CO, United States,</i> ²<i>Purdue University, West Lafayette, IN, United States</i>
1539	A PvDBP monoclonal antibody recognizes a conserved epitope in <i>Plasmodium falciparum</i> and <i>P. chabaudi</i> antigens	Catherine J. Mitran¹, Shanna Banman¹, Sedami Gnidehou², Brian Taylor¹, Aja M. Rieger¹, Francis Ntumngia³, John H. Adams³, Michael F. Good⁴, Stephanie K. Yanow¹ ¹<i>University of Alberta, Edmonton, AB, Canada,</i> ²<i>Campus Saint-Jean, University of Alberta, Edmonton, AB, Canada,</i> ³<i>University of South Florida, Tampa, FL, United States,</i> ⁴<i>Institute for Glycomics, Griffith University, Gold Coast, Australia</i>

1665	Phagocytic Efficiency of Beads Coated with Various Malarial PfEMP1 Domains by Monocytes/Macrophages Depends on the Domain Identity and/or Binding Avidity to Monocyte Surface Receptors	Jordan B. Merritt¹ , Justin Gullingsrud ² , Andrew Oleinikov ¹ <i>¹Florida Atlantic University, Boca Raton, FL, United States, ²Seattle Biomedical Research Institute, Seattle, WA, United States</i>
1927	Field trial to assess leishmaniosis vaccine effectiveness as a potential immunotherapy in asymptomatic dogs	Angela J. Toepp¹ , Mandy Larson ¹ , Tara Grinnage-Pulley ¹ , Geneva Wilson ¹ , Carolynne Bennett ¹ , Adam Lima ¹ , Michael Anderson ¹ , Hailie Fowler ¹ , Bryan Anderson ¹ , Molly Parrish ¹ , Kelsey Willardson ¹ , Germine Alfonse ¹ , Jane Jefferies ² , George Seier ³ , Javan Esfandiari ⁴ , Caitlin Cotter ⁵ , Radhika Gharpure ⁵ , Christine Petersen ¹ <i>¹The University of Iowa, Iowa City, IA, United States, ²Noah's Ark Animal Clinic, Kansas City, MO, United States, ³Cobb Ford Pet Health Center, Prattville, AL, United States, ⁴ChemBio Diagnostic Systems, Inc, Medford, NY, United States, ⁵Johns Hopkins University, Baltimore, MD, United States</i>
1934	Longitudinal clinical and molecular analysis of asymptomatic malaria infection in Malawi	Andrea Geri Buchwald¹ , Miriam Ismail ¹ , Courtney Aceto ² , Alaina Halbach ¹ , Alick Sixpence ³ , Mabvuto Chimunya ³ , Millius Damson ³ , John D. Sorkin ⁴ , Karl Seydel ⁵ , Don Mathanga ³ , Terrie E. Taylor ⁶ , Miriam K. Laufer ¹ <i>¹Division of Malaria Research, Institute for Global Health, University of Maryland School of Medicine, Baltimore, MD, United States, ²Stevenson University, Baltimore, MD, United States, ³Malaria Alert Center, University of Malawi College of Medicine, Blantyre, Malawi, ⁴University of Maryland Baltimore and Baltimore VA Medical Center GRECC, Baltimore, MD, United States, ⁵Michigan State University, East Lansing, MI, United States, ⁶Michigan State University College of Osteopathic Medicine, East Lansing, MI, United States</i>

1994	Linking EPCR-binding PfEMP-1 to brain swelling in pediatric cerebral malaria	Anne Kessler¹, Selasi Dankwa², Maria Bernabeu², Visopo Harawa³, Samuel Danziger², Fergal Duffy², Sam Kampondeni⁴, Michael Potchen⁵, Nicholas Dambrauskas², Vladimir Vigdorovich², Brian Oliver², Noah Sather², Ian MacCormick³, Wilson Mandala³, Stephen Rogerson⁶, John Aitchison², Terrie Taylor⁴, Sarah Hochman⁷, Wenzhu Mowrey¹, Karl Seydel⁴, Joseph Smith², Kami Kim¹ ¹<i>Albert Einstein College of Medicine, Bronx, NY, United States</i>, ²<i>Center for Infectious Disease Research, Seattle, WA, United States</i>, ³<i>Malawi-Liverpool Wellcome Trust Clinical Research Programme, Blantyre, Malawi</i>, ⁴<i>Blantyre Malaria Project, Blantyre, Malawi</i>, ⁵<i>University of Rochester Medical Center, Rochester, NY, United States</i>, ⁶<i>University of Melbourne, Melbourne, Australia</i>, ⁷<i>New York University Langone Medical Center, New York, NY, United States</i>
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