

Young Investigator Award Session B

Convention Center - Room 701B (Level 7)

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.

Title	Author Block	Presentation #	Start Time	End Time
Blood RNA transcripts for diagnosing and predicting the outcomes of febrile illnesses in low- and middle-income countries	Hannah Nicole Kozlowski ¹ , Rebecca Womersley ² , Sam Brophy-Williams ³ , Ryan Huang ¹ , Coztanza Di Chiara ³ , Katie Ann Lee ¹ , Nikki Wong ¹ , Shaun K. Morris ³ <i>¹University of Toronto, Toronto, ON, Canada, ²Imperial College London, London, United Kingdom, ³Hospital for Sick Children, Toronto, ON, Canada</i>	6075	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM
Advancing Dengue Serodiagnostics: Leveraging Epitope Insights for Peptide-Based Test Development	Johanna Bouckaert ¹ , Francesca Falconi Agapito ² , Michael Talledo ² , Ole Lagatie ³ , Kevin K. Ariën ¹ <i>¹Institute of Tropical Medicine, Antwerp, Belgium, ²Universidad Peruana Cayetano Heredia, Lima, Peru, ³Johnson & Johnson, Beerse, Belgium</i>	6247	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM
Geographical Distribution and Temporal Trends of Antimalarial	Thomas Katairo ¹ , Francis D. Semakuba ¹ , Bienvenu Nsengimaana ¹ , Stephen Tukwasibwe ¹ , Shahiid Kiyaga ¹ , Innocent Wiringilimaana ¹ , Jackie	6319	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM

Drug Resistance Markers in Uganda: 2023-24	Nakasaanya¹, Trevor E. Esilu¹, Alisen Ayitewala², Victor Asua¹, Monica Mbabazi¹, Kisakye Diana Kabbale¹, Jerry Mulondo¹, Eric Watyekele¹, Andrés Aranda-Díaz³, Catherine Maiteki-Sebuguzi⁴, Jimmy Opigo⁴, Samuel Lubwama Nsobya¹, Moses R. Kamya¹, Bosco Bekiita Agaba⁴, Isaac Ssewanyana¹, Bryan Greenhouse⁵, Philip Rosenthal⁵, Jessica Briggs⁵, Melissa D. Conrad⁵ <i>¹Infectious Diseases Research Collaboration, Kampala, Uganda, ²Central Public Health Laboratories, Kampala, Uganda, ³ISGlobal, Barcelona, Spain, ⁴Ministry of Health, Kampala, Uganda, ⁵Univ of California San Francisco, San Francisco, CA, United States</i>			
Performance of a rapid urinary Point-of-Care assay for neurocysticercosis diagnosis in a endemic region of Peru	Luz M. Toribio¹, Alessandra Vasquez¹, Seth O'Neal², Javier A. Bustos¹, Theodore E. Nash³, Hector Hugo Garcia¹ <i>¹Universidad Peruana Cayetano Heredia, Lima, Peru, ²Oregon Health & Sciences University, Portland, OR, United States, ³Asheville, NC, United States</i>	6580	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM
Spatial Transcriptomics and Multiplex Imaging Reveal Distinct	Carla Johnson¹, Brenda Karumbo¹, João Da Silva Filho¹, Claire Kennedy Dietrich², Yoana Doncheva², Andrew J. Cameron², Michael J. Haley³, Hannah L.	6626	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM

Blood-Brain Barrier Signatures in Cerebral Malaria	Morgan², Adnane Nemri¹, Dagmara McGuinness¹, Terrie E. Taylor⁴, Karl Seydel⁴, Kevin N. Couper³, Peter Bankhead⁵, Matthias Marti¹, Thomas D. Otto¹, Nigel B. Jamieson², Christopher A. Moxon¹ <i>¹School of Infection and Immunity, University of Glasgow, Glasgow, United Kingdom, ²School of Cancer Sciences, University of Glasgow, Glasgow, United Kingdom, ³School of Biological Sciences, University of Manchester, Manchester, United Kingdom, ⁴Michigan State University, East Lansing, MI, United States, ⁵Institute of Genetics and Cancer, University of Edinburgh, Edinburgh, United Kingdom</i>			
Candidate autoantibodies as biomarkers of therapeutic response following benznidazole treatment in chronic Chagas disease	Anton Dmitriev¹, Heriks Ribeiro¹, Diptendu Chatterjee¹, Meena Fatah¹, Maria Do Carmo P. Nunes², Lea Campos de Oliveira³, Ester Cerdeira Sabino⁴, Juliana de Assis Silva Gomes⁵, Walderez Ornelas Dutra⁵, Antonia Cláudia Jácome da Câmara⁶, Lúcia Maria da Cunha Galvão⁶, Hui Tzu Lin Wang⁷, Fabiano Castro Albrecht⁸, Dalmo Antonio Ribeiro Moreira⁹, Cristiane Castro Faccini¹⁰, Angela Maria Lourenço¹⁰, Edecio Cunha Neto¹¹, Andre Ducati Luchessi⁶, Vivian Nogueira Silbiger¹, Robert Murray Hamilton¹ <i>¹Department of Pediatrics, The Labatt Family Heart Centre and Translational Medicine, The Hospital for</i>	6662	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM

	<i>Sick Children & Research Institute, The University of Toronto, Toronto, ON, Canada, ²Unit of Cardiology and Cardiovascular Surgery, Clinics Hospital, Federal University of Minas Gerais, Belo Horizonte, Brazil, ³Institute of Tropical Medicine, University of Sao Paulo, São Paulo, Brazil, ⁴Faculty of Medicine of the University of São Paulo, University of São Paulo, Sao Paulo, Brazil, ⁵Laboratory of Cellular Interaction Biology, Department of Morphology, Institute of Biological Sciences, Federal University of Minas Gerais, Belo Horizonte, Brazil, ⁶Department of Clinical Analysis and Toxicology, Federal University of Rio Grande do Norte, Natal, Brazil, ⁷Molecular Biology Laboratory, Dante Pazzanese Institute of Cardiology, São Paulo, Brazil, ⁸Department of Cardiomyopathy, Dante Pazzanese Institute of Cardiology, São Paulo, Brazil, ⁹Department of Electrophysiology, Dante Pazzanese Institute of Cardiology, São Paulo, Brazil, ¹⁰Chagas Disease Laboratory, Dante Pazzanese Institute of Cardiology, São Paulo, Brazil, ¹¹Laboratory of Immunology, Heart Institute (InCor), University of São Paulo, School of Medicine, São Paulo, Brazil</i>			
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Identifying antibody biomarkers that predict progression of Chagas Cardiomyopathy	Heriks Gomes Ribeiro¹, Anton Dmitriev¹, Diptendu Chatterjee¹, Meena Fatah¹, Maria Carmo Pereira Nunes², Lea Campos de Oliveira³, Ester Cerdeira Sabino⁴, Juliana de Assis Silva Gomes⁵, Walderez Ornelas Dutra⁵, Antonia Cláudia Jácome da Câmara⁶, Lúcia Maria da Cunha Galvão⁶, Hui Tzu Lin Wang⁷, Fabiano Castro Albrecht⁸, Dalmo Antonio Ribeiro Moreira⁹, Cristiane Castro Faccini¹⁰, Angela Maria Lourenço¹⁰, Edecio Cunha Neto¹¹, Andre Ducati Luchessi⁶, Vivian Nogueira Silbiger¹, Robert Murray Hamilton¹ <i>¹Department of Pediatrics, The Labatt Family Heart Centre and Translational Medicine, The Hospital for Sick Children & Research Institute, The University of Toronto, Toronto, ON, Canada, ²Unit of Cardiology and Cardiovascular Surgery, Clinics Hospital, Federal University of Minas Gerais, Belo Horizonte, Brazil, ³Institute of Tropical Medicine, University of Sao Paulo, São Paulo, Brazil, ⁴Faculty of Medicine of the University of São Paulo, University of São Paulo, Sao Paulo, Brazil, ⁵Laboratory of Cellular Interaction Biology, Department of Morphology, Institute of Biological Sciences, Federal University of Minas Gerais, Belo Horizonte, Brazil, ⁶Department of Clinical Analysis and Toxicology, Federal University of Rio Grande do Norte, Natal, Brazil, ⁷Molecular Biology</i>	6668	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM
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Break	Break	Break	Break	Break
Machine Learning Identifies Metabolic Biomarkers of Post-Ebola Syndrome	Anna Sanford ¹ , Nell G. Bond ² , Samuel Ficenec ³ , Charlotte Osterman ¹ , Payton Farkas ¹ , Emily J. Engel ⁴ , Robert Samuels ³ , Kevin Zvezdaryk ¹ , John S. Schieffelin ¹ ¹ Tulane University, New Orleans, LA, United States, ² Tulane University SOM, New Orleans, LA, United States, ³ New Orleans, LA, United States, ⁴ TUSOM, New Orleans, LA, United States	6672	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM
Genomic Surveillance of Malaria Reveals Emergence and Rise of the k13 P441L Candidate Marker	Lydia Eloff ¹ , Andrés Aranda-Díaz ² , Stark Katokele ³ , Petrina Uusiku ³ , Jennifer Smith ⁴ , Davis Ropafadzo Mumbengegwi ¹ ¹ University of Namibia, Windhoek,	6934	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM

and Other Resistance Markers in North-Eastern Namibia	<i>Namibia, ²Barcelona Institute for Global Health - ISGLOBAL, Barcelona, Spain, ³Ministry of Health and Social Services, Windhoek, Namibia, ⁴Malaria Elimination Initiative, San Francisco, CA, United States</i>			
Community-Led Schistosomiasis Diagnostics : The Foldscope and Microfluidic Slides in Rural Nigeria	Simon L. Birk¹, Caroline Crain¹, Jonathan Beaubrun², Phillip J. Koether³, Rakesh Kathiresan¹, Nehali Shah¹, Jacob Bartz¹, Cristina Salas⁴, Nadia Khalil¹, Sabona Simbassa¹, Maya Grayck⁵, Thomas Copeland⁶, Jaran Rudd⁷, Kristina Tebo¹, Jim Cybulski⁸, Manu Prakash⁸, Jayhun Lee¹, William C. McCarthy¹ ¹McGovern Medical School, UTHealth Houston, Houston, TX, United States, ²Cornell University, Ithaca, NY, United States, ³Department of Healthcare Administration, University of Houston, Houston, TX, United States, ⁴University of Texas Medical Branch, Galveston, TX, United States, ⁵University of Colorado Anschutz Medical School, Aurora, CO, United States, ⁶Belmont University, Nashville, TN, United States, ⁷Department of Anthropology, University of Virginia, Charlottesville, VA, United States, ⁸Department of Bioengineering, Stanford University, Stanford, CA, United States	7111	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM

Integrating <i>Plasmodium knowlesi</i> -Specific Serological Markers of Recent Exposure in a Multiplex Panel to Improve Surveillance of Zoonotic and Non-Zoonotic Malaria	Zi Kang Ooi¹ , Anju Abraham ¹ , Caitlin Bourke ¹ , Ping Chin Lee ² , Sylvia Daim ³ , Giri S. Rajahram ⁴ , Timothy William ⁴ , Mohd Khairul Ameer Yahaya ⁵ , Dawn Weir ⁶ , Benjamin A. Seager ¹ , Stephen W. Scally ¹ , Pailene S. Lim ¹ , Jetsumon Sattabongkot ⁷ , Kevin Tetteh ⁸ , Andrew Letizia ⁶ , Gavin J. Wright ⁹ , Christopher Drakeley ¹⁰ , Nicholas Anstey ¹¹ , Matthew Grigg ¹¹ , Rhea J. Longley ¹ ¹ Walter and Eliza Hall Institute, Parkville, VIC, Australia, ² Biotechnology Research Institute, Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia, ³ Faculty of Medicine and Health Sciences, Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia, ⁴ Infectious Diseases Society of Kota Kinabalu, Kota Kinabalu, Sabah, Malaysia, ⁵ Malaysian Armed Forces, Kota Kinabalu, Sabah, Malaysia, ⁶ Naval Medical Research Center, Silver Spring, MD, United States, ⁷ Mahidol Vivax Research Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand, ⁸ FIND Global Alliance for Diagnostics, Geneva, Switzerland, ⁹ Department of Biology, Hull York Medical School, York Biomedical Research Institute, University of York, York, United Kingdom, ¹⁰ Department of Infection Biology, London School of Hygiene & Tropical Medicine, London, United Kingdom, ¹¹ Global and Tropical Health	7234	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM
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	<i>Division, Menzies School of Health Research, Darwin, NT, Australia</i>			
Deploying Molecular Malaria Field Testing to Rural Africa: A LAMP-Based Approach for Detecting Low-Density Asymptomatic Infections	Dimbintsoa Rakotomalala Robinson¹ , Ivana Pennisi ² , Matthew Cavuto ² , Francois Kiemde ³ , Kenny Malpartida-Cardenas ² , Elliot Quigley ² , Diane Yrgnur Some ⁴ , Mamadou Ousmane Ndiath ¹ , Martin Chamai ⁵ , Mamadu Baldeh ¹ , Jesus Rodriguez-Manzano ² , Halidou Tinto ³ , Aubrey J. Cunningham ² , Annette Erhart ¹ , Umberto D'Alessandro ¹ ¹ MRC Unit The Gambia at LSHTM, Banjul, Gambia, ² Imperial College London, London, United Kingdom, ³ Unité de Recherche Clinique de Nanoro, Nanoro, Burkina Faso, ⁴ Unité de Recherche Clinique de Nanoro, nanoro, Burkina Faso, ⁵ University of Ghana, Accra, Ghana	7237	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM
Assessing the risk of existing and emerging PfKelch13 and PfCoronin variants conferring artemisinin resistance in Senegal	Morgan Martin¹ , Imran Ullah ¹ , Sarah K. Volkman ¹ , Daouda NDIAYE ² , Dyann F. Wirth ¹ ¹ Harvard School of Public Health, Boston, MA, United States, ² Cheikh Anta Diop University, Dakar, Senegal	7476	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM
Host plasma protein biomarkers for diagnosing tuberculosis	Michael Prodanuk¹ , Noemie Boillat-Blanco ² , Valerie D'Acremont ³ , Kevin C. Kain ⁴ , Thekla Kazimoto ⁵ , Ian	7805	11/9/2025 9:00:00 AM	11/9/2025 2:00:00 PM

disease in febrile adults
presenting to outpatient clinics in
Tanzania

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Samaka⁵, Melissa Richard-Greenblatt¹
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