

2025 Annual Meeting

November 9-13

Metro Toronto Convention Centre
Toronto, Ontario, Canada



Session Schedule-at-a-Glance



Livestream Sessions

The Livestream Registration package offers a curated selection of the best science across a variety of tropical medicine/global health foci.



Sessions Designated for Educational Content

Sessions designated with an icon for Educational Content feature an instructive/didactic format on specialized topics by field experts, reviews of novel therapeutics, diseases, and public policy content.

This schedule is subject to change.

Sunday, November 9, 5:30 pm - 7 pm



Plenary Session 1: Plenary Session I: Opening Keynote and Awards Program

Monday, November 10, 7:30 am - 8:15 am



Plenary Session 2: Plenary Session II: Fred L. Soper Lecture

Monday, November 10, 8:30 am - 10:15 am



Symposium 3: Responding to Recent Outbreaks of Emerging and Re-emerging Viruses

Scientific Session 4: One Health I: The Interface of Humans, Ecosystems and Animal Health

Scientific Session 5: Malaria - Surveillance and Data Use

Scientific Session 6: Clinical Tropical Medicine: Bacterial Infections and Antibiotics

Symposium 7: Healthcare Environmental Cleaning: What Works

Symposium 8: Addressing Research Gaps in Chemoprevention Targeting School-Aged Children

Symposium 9: American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP) Symposium I: Challenges in Preclinical Drug Discovery: Discovering New Targets and Beating Resistance



Symposium 10: Bold Diplomacy: The Need for an Active Scientific Voice in Global Health Diplomacy

Symposium 11: Long-lasting Insecticidal Nets in Africa: Combining Experimental Huts and Genetics to Inform Vector Control Tool Choice

Scientific Session 12: Measures for Control and Elimination of Neglected Tropical Diseases I

Scientific Session 13: Global Health: Community Health, NTDs and NCDs

Symposium 14: The 100-Day Mission: Are We Ready for Nipah?

Scientific Session 15: Mosquitoes- Bionomics, Behavior and Surveillance

Symposium 16: Data-driven Approaches to Deliver the United Nations General Assembly Political Commitments on Improving Antibiotic Access and Preventing Resistance

Monday, November 10, 10:45 am - 12:30 pm



Symposium 17: Alan J. Magill Malaria Eradication Symposium: Malaria Delenda Est - How Innovation is Advancing the Fight towards Malaria Eradication

Scientific Session 18: One Health II: The Interface of Humans, Ecosystems and Animal Health

Symposium 19: The Role of Food Hygiene in Preventing Pathogens Transmission in Low- and Middle-Income Countries

Scientific Session 20: Clinical Tropical Medicine: Febrile Illness Diagnosis and Epidemiology

Symposium 21: New Drugs for Treatment of Filarial Infections

Symposium 22: Urban Futures: Rethinking Mosquito-borne Disease Risks in Cities

Symposium 23: American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP) Symposium II: Trager, Trainees and Take-off!



Symposium 24: Strategic Advocacy During Turbulent Times

Scientific Session 26: Measures for Control and Elimination of Neglected Tropical Diseases II

Scientific Session 27: Global Health: Improved Health Care Service Delivery and Health Systems Strengthening

Scientific Session 28: Viruses - Field and Ecological Studies of Viruses Including Surveillance and Spillover Risk and Emergence

Scientific Session 29: Arthropods: Arthropods/Entomology- Other

Symposium 30: Pushing the Boundaries of Leprosy Research to Tackle this Ancient Disease

Monday, November 10, 12:30 pm - 2:15 pm

Poster Session 31: Poster Session A

Light lunch served in the Exhibit Hall

Monday, November 10, 12:45 pm - 2 pm

Late-Breaker Abstract Session 32: Late-Breakers in Basic Science



Meet the Professors 33: Meet the Professors: Cases from South Asia

Monday, November 10, 2:15 pm - 4 pm



Symposium 34: Pathways to Success: Highlighting Exceptional Careers in Tropical Medicine and Global Health

Symposium 35: Evaluating Zoonotic Malaria in Western Indonesia: The ZOOMAL Project

Scientific Session 36: Malaria: Prevention I



Symposium 37: American Committee on Clinical Tropical Medicine and Travelers' Health (Clinical Group - ACCTMTH) Symposium I: Vincenzo Marcolongo Lecture: Navigating Malaria Risk for International Travel: Advances in Prevention, Diagnosis, and Treatment

Scientific Session 38: American Committee of Molecular Cellular and Immunoparasitology (ACMCIP): New Diagnostics and Surveillance of Parasitic Diseases

Symposium 39: Scaling In-country Genomic Surveillance of Malaria across Sub-Saharan Africa: Progress, Challenges, and Insights from Local NOMADS Nanopore Sequencing in Five Countries

Symposium 40: American Committee of Medical Entomology (ACME) Symposium I: Vector-based Genetic Interventions to Tackle Vector Borne Diseases



Symposium 41: Analyzing Anti-science Attacks to Defend our Field

Symposium 42: *Plasmodium Ovale* Species in Sub-Saharan Africa: Curiosity or Emerging Threat?

Symposium 43: Towards an Unprecedented Goal: Development of a Single Dose, High Efficacy, Replication Competent, Genetically Attenuated Pre-erythrocytic Stage Malaria Vaccine for *Plasmodium falciparum* Elimination

Scientific Session 44: Global Health: Global Health Security, Emerging Infectious Diseases and Pandemic Preparedness

Scientific Session 45: Viruses - Immunology

Symposium 46: Addressing the Rising Threat of Scrub Typhus

Scientific Session 47: Kinetoplastida and Other Opportunistic and Anaerobic Protozoa: Epidemiology

Monday, November 10, 3:30 pm - 4:30 pm

Career Chats in the TropStop Student/Trainee Lounge

Monday, November 10, 4:30 pm - 6:15 pm



Symposium 48: President's Symposium: Global Efforts to Elucidating Malaria Pathogenesis and Combatting Multidrug-resistant *P. falciparum*

Symposium 49: In the Eradication Crosshairs: A One Health Examination of Guinea Worm at the Human-animal-environment Nexus, and the Use of Resulting Evidence for Action

Scientific Session 50: Malaria: Clinical and Population Epidemiology



Symposium 51: American Committee on Clinical Tropical Medicine and Travelers' Health (Clinical Group - ACCTMTH) Symposium II: Science Communication for Healthcare Professionals

Scientific Session 52: American Committee of Molecular Cellular and Immunoparasitology (ACMCIP): Host-parasite Interactions Revealed by 'Omics

Symposium 53: Mitigating Malaria Epidemics During Humanitarian Emergencies: Preparing, Planning, Implementing, and Monitoring Responses

Symposium 54: American Committee of Medical Entomology (ACME) Symposium II: Annual Business Meeting, Awards Ceremony, Hoogstraal Medal Presentation, and Networking Reception

Symposium 55: Enteric Pathogen Genomics and Evolution

Symposium 56: The Transmission Fitness of African Artemisinin-resistant Parasites and the Effects of Antimalarials on their Transmission to Mosquitoes

Symposium 57: Evidence to Guide the Implementation of Effective *P. vivax* Radical Cure

Scientific Session 58: Global Health: Modeling, AI and Advanced Methods Applied to Disease Epidemiology and Global Health Issues

Scientific Session 59: Viruses - Therapeutic, Antiviral Drugs and Vaccine Clinical Trials

Scientific Session 60: Ectoparasite-Borne Diseases

Scientific Session 61: Kinetoplastida and Other Opportunistic and Anaerobic Protozoa: Diagnosis and New Detection Tools

Special Session 62: ASTMH Committee on Global Health (ACGH) Networking and Lightning Presentations

Monday, November 10, 6:45 pm - 8:15 pm



Special Session 63: Fever Feud: A Tropical Medicine Spin on "Family Feud"

Tuesday, November 11, 7 am - 8:45 am

Sponsored Symposium Sessions

Tuesday, November 11, 9 am - 9:45 am



Plenary Session 64: Plenary Session III: President's Address

Tuesday, November 11, 10:15 am - Noon



Symposium 65: Malaria Vaccines in a New Era of Malaria Control and Elimination: Latest Insights from Research and Real-world Implementation

Scientific Session 66: Viruses - Emerging Viral Diseases

Scientific Session 67: Malaria - Genetics, Genomics and Evolution

Scientific Session 68: Clinical Tropical Medicine: Parasites, Viruses and Others



Meet the Professors 69: Meet the Professors: Trainee Case Competition

Symposium 70: Antimalarial Drug Resistance in Africa: Will We Miss the Train Again?

Symposium 71: Spatial Biology Applications in Immunology and Infectious Disease

Symposium 72: Case Management of Typhoid Fever

Symposium 73: Next Generation Malaria Diagnostics - Harnessing New Biomarkers for Parasite Detection

Symposium 74: AI for One Health: Creative Use of Data and AI for Pandemic and Epidemic Preparedness



Symposium 75: Addressing Newborn Health and Survival in Low- and Middle-income Countries: Challenges and Progress

Symposium 76: Leveraging Global Surveillance Data Across Pathogens and Species for Evidence-based Decision Making: SeroTracker Dashboard, Mapping and Data Tools, from Coronaviruses to Arboviruses and Beyond

Symposium 77: Gene Drive Mosquitoes for Malaria Control: Planning for Field Trials

Symposium 78: Nutrition and Tuberculosis: A Clear and Present Danger

Tuesday, November 11, Noon - 1:45 pm

Poster Session 79: Poster Session B

Light lunch served in the Exhibit Hall

Tuesday, November 11, 12:15 pm - 1:30 pm

Late-Breaker Abstract Session 80: Late-Breakers in Clinical and Applied Sciences I



Meet the Professors 81: Meet the Professors: Borders and Burdens: Clinical Dilemmas in Tropical Diseases Among Migrants and Frontline Indigenous and Rural Populations

Tuesday, November 11, 1:45 pm - 3:30 pm



Symposium 82: Zoonotic Infections of the Arctic-challenges in a Unique Ecosystem

Symposium 83: American Committee on Arthropod-Borne Viruses and Zoonotic Viruses (ACAV) Symposium I: Annual Business Meeting

Scientific Session 84: Malaria - Deciphering Drug Resistance in *Plasmodium*

Scientific Session 85: Clinical Tropical Medicine: HIV and Co-Morbidities



Symposium 86: Noma: Current Knowledge and Future Directions

Symposium 87: New Developments Along the Continuum of Care for Severe Malaria Patients

Scientific Session 88: American Committee of Molecular Cellular and Immunoparasitology (ACMCIP): Modulation of Host Immunity by Parasites and its Impact on Other Diseases

Symposium 89: Data-Driven Strategies for Typhoid Prevention and Response: Modeling, Surveillance, and Innovative Methods

Symposium 90: Coalescing Community Resources for *Plasmodium* Genomic Epidemiology



Symposium 91: Global Health at a Crossroads: Navigating the Fallout of U.S. Disengagement in 2025

Scientific Session 92: Global Health: Women's, Maternal, Newborn, Child, and Adolescent Health

Symposium 93: Portable Digital Microscopy: Harnessing AI and Molecular Tools to Revolutionize Diagnosis of Neglected Tropical Infections

Scientific Session 94: Mosquitoes- Epidemiology and Vector Control I

Scientific Session 95: Filariasis- Clinical, Immunology, and Diagnosis

Tuesday, November 11, 3 pm - 4 pm

Career Chats in the TropStop Student/Trainee Lounge

Tuesday, November 11, 4 pm - 5:45 pm



Symposium 96: Innovations in Emerging Infectious Disease Surveillance and Response

Symposium 97: American Committee on Arthropod-Borne Viruses and Zoonotic Viruses (ACAV) Symposium II: Cooler Climate Arboviruses

Scientific Session 98: Malaria - Current Trends in Antimalarial Drug Resistance



Symposium 99: Point-of-care Ultrasound for Infectious Diseases: Advancing Care Across the Globe



Symposium 100: Sustaining the Elimination of Visceral Leishmaniasis in South Asia

Symposium 101: Advances in Human Cerebral Malaria: Mechanistic Insights and Translational Models

Scientific Session 102: American Committee of Molecular Cellular and Immunoparasitology (ACMCIP): Parasite Cellular Immunity



Symposium 103: Vincenzo Marcolongo Celebration - Milestones in Travel Medicine

Symposium 105: Results from Large-Scale Implementation of Perennial Malaria Chemoprevention (PMC) in Benin, Cameroon, Côte d'Ivoire, Mozambique and Nigeria

Scientific Session 106: Schistosomiasis: Epidemiology and Control

Symposium 107: Bridging Academia and Humanitarian Response: Data, Modelling, and Policy for Crisis-Affected Populations

Scientific Session 108: Mosquitoes- Epidemiology and Vector Control II

Scientific Session 109: Filariasis - Epidemiology and Control

Special Session 110: ASTMH Committee on Global Health (ACGH) Interviewing Practice for Global Health Careers

Tuesday, November 11, 6:15 pm - 8 pm

Special Session 111: Speed-Networking with the Experts

Tuesday, November 11, 6:15 pm - 8 pm

Sponsored Symposium Sessions

Wednesday, November 12, 7 am – 8:45 am

Sponsored Symposium Sessions

Wednesday, November 12, 9:15 am - 11 am



Symposium 112: Turning Point 2025: Reimagining Global Health and Building Resilience for the Future

Symposium 113: From Pilot to Scale: Implementing Moxidectin Where It Is Needed to Support Countries' Onchocerciasis Elimination Efforts

Scientific Session 114: Malaria - Diagnosis - Challenges and Innovations

Symposium 115: What's New in Clinical Tropical Medicine Literature?

Scientific Session 116: American Committee of Molecular Cellular and Immunoparasitology (ACMCIP): Drug Resistance and Parasite Biology

Scientific Session 117: Malaria: Vaccines and Immunotherapeutics

Scientific Session 118: Water, Sanitation, Hygiene and Environmental Health (WaSH-E): Interventions

Symposium 119: Integrated Surveillance Approaches for Lymphatic Filariasis in Post-Elimination and Near-Elimination Settings

Symposium 120: Eliminating Malaria Deaths: Managing Endemic Malaria While Pursuing Elimination



Symposium 121: Tropical Medicine Consult: Tissue Helminths

Scientific Session 122: Kinetoplastida and Other Opportunistic and Anaerobic Protozoa: Genomics, Proteomics and Metabobionics, Molecular Therapeutic Targets, Treatment Drug Delivery, Drug Repurposing and Drug Discovery

Scientific Session 123: Viruses – Epidemiology

Scientific Session 124: Mosquitoes- Biology and Genetics of Insecticide Resistance

Scientific Session 125: Bacteriology: Trachoma, Systemic Infections, and Other Bacterial Infections

Wednesday, November 12, 11 am - 12:45 pm

Poster Session 126: Poster Session C

Light lunch served in the Exhibit Hall

Wednesday, November 12, 11:15 am - 12:30 pm



Meet the Professors 127: Meet the Professors: Same Story, Different Faces

Late-Breaker Abstract Session 128: Late-Breakers in Malaria I

Late-Breaker Abstract Session 129: Late-Breakers in Virology

Wednesday, November 12, 12:45 pm - 2:30 pm



Symposium 130: Innovation in Countering Substandard and Falsified Medicines

Symposium 131: The Data Revolution: Harnessing AI, Geospatial Science, and Big Data for Guinea Worm Disease Eradication

Scientific Session 132: Malaria - Getting to Zero and Staying There: Successes and Challenges in Malaria Elimination

Symposium 133: Strike While the Iron is Hot: How Outbreak Research Response Efforts Can Address Critical Knowledge and Programmatic Gaps in our Understanding of Emerging Infectious Disease

Scientific Session 134: Water, Sanitation, Hygiene and Environmental Health (WaSH-E): Outcomes

Symposium 135: Cabamiquine: A Decade of Antimalarial Drug Development

ASTMH Annual Business Meeting 136: ASTMH Annual Business Meeting

Symposium 137: Host Biomarkers to Predict Severe Febrile Illness in Community Settings Across Sub-Saharan Africa and Asia

Symposium 138: Doing More with Less: The Opportunity of Sub-national Tailoring to Maximize the Cost-effectiveness of Malaria Vector Control

Scientific Session 139: Cestodes: Epidemiology, Pathogenesis, and Treatment

Late-Breaker Abstract Session 140: Late-Breakers in Malaria II

Scientific Session 141: Viruses - Evolution and Genomic Epidemiology



Symposium 142: Bytes Against Bites: Building a Unified Digital Framework for Vector Surveillance and Control

Scientific Session 143: Bacteriology: Cholera

Wednesday, November 12, 2 pm - 3 pm

Career Chats in the TropStop Student/Trainee Lounge

Wednesday, November 12, 3 pm - 4:45 pm



Symposium 144: The Changing Epidemiology of Oropouche Virus in South and Central America

Symposium 145: Vector-borne Diseases at the Interface Between Irrigation and Climate Change: The Case of the Shire Valley in Southern Malawi

Scientific Session 146: Malaria: Prevention II

Symposium 147: ASTMH Committee on Global Health (ACGH) Symposium I: The Melting Frontier: Climate Change in the Arctic and Its Global One Health Implications

Symposium 148: Aspartyl Protease Inhibitors for *Plasmodium* and other Apicomplexan Parasites: From Screening Hits to Clinical Proof of Biology for Malaria

Symposium 149: Next-generation Antimalarial Drug Resistance: Molecular Approaches, New Determinants, and Implications for the Field

Scientific Session 150: Respiratory Infections I

Symposium 151: Uncovering the Hidden Burden of Acute Febrile Illness and their Infectious Causes in Rural South and Southeast Asia

Symposium 152: Delayed (post-intervention) Malaria - Should This Be a Concern?

Scientific Session 153: Nematodes: Epidemiology, Diagnostics, and Treatment



Symposium 154: Clinical Tropical Medicine Debates: Chikungunya Vaccine and Leishmaniasis Therapy

Scientific Session 155: Viruses - Transmission Biology Pathogenesis and Animal Models

Scientific Session 156: Mosquitoes- Molecular Biology, Population Genetics and Genomics

Scientific Session 157: Bacteriology: AMR and Other Enteric Infections

Wednesday, November 12, 5:15 pm - 7 pm



Symposium 158: Advances in the Diagnosis and Treatment of Congenital Chagas Disease

Symposium 159: Climate Change and Neglected Tropical Diseases: Challenges and Solutions

Scientific Session 160: Malaria - Pathogenesis of the Brain, Blood and Beyond



Symposium 161: ASTMH Committee on Global Health (ACGH) Symposium II: Advancing mRNA Technologies in the Global South - Opportunities, Challenges, and Pathways to Equitable Access

Symposium 162: Sustaining the Fight Against NTDs: Financing, Local Investment, Manufacturing, and Policy for Long-Term Impact

Scientific Session 163: Malaria- Drug Development and Clinical Trials

Scientific Session 164: Respiratory Infections II



Symposium 165: Melioidosis in South Asia

Symposium 166: Seasonal Mass Vaccination with the Pre-erythrocytic Vaccine R21 for Malaria Elimination in Africa: Early Results

Scientific Session 167: Helminth Infections: Immunology, Diagnostics and Treatment

Scientific Session 168: Global Health: Ensuring Rigorous Research and Its Impact (Research Ethics, Training, Translation, Policy, and Decolonization)

Symposium 169: Looking in the Mirror: Revisiting Preconceptions, Assumptions, and Dogma in Dengue Ecology, Immunology, and Epidemiology

Scientific Session 170: Mosquitoes- Biology, Physiology and Immunity

Scientific Session 171: Bacteriology: *Shigella* and *Salmonella*

Wednesday, November 12, 7:15 pm - 9 pm

Special Session 173: Clinical Pub Trivia Night

Thursday, November 13, 8 am - 9:45 am



Symposium 174: Onchocerciasis Elimination is in Sight: A Multi-country Snapshot of Progress Towards Interruption of Transmission in Africa and Lessons for the Road Ahead

Symposium 175: Emerging Rodent-borne Disease in Dynamic Landscapes: Multi-modal Insights

Scientific Session 176: Malaria - Immunology

Symposium 177: Viral Genomics and Global Health in the Age of Artificial Intelligence



Symposium 178: Ophthalmic Manifestations of Ebola, Mpox, and Emerging Infectious Diseases: Patient, Public Health, and Scientific Perspectives

Symposium 179: Malaria in the Metropolis: Building Global Networks to Address the Expanding Risk of Urban Transmission

Scientific Session 180: American Committee of Molecular Cellular and Immunoparasitology (ACMCIP): Developments in Parasite Vaccines and Treatments

Late-Breaker Abstract Session 181: Late-Breakers in Clinical and Applied Sciences II

Symposium 182: Oral Ivermectin Mass Drug Administration for Malaria Elimination: Results from Five Cluster Randomized Trials in Sub-Saharan Africa

Symposium 183: Use of Cardiac Evaluation Modalities for Management of Patients with Chagas Disease

Scientific Session 184: Global Health: Extreme Weather and Climate Change as Global Health Issues

Symposium 185: Advances in HEV Outbreak Detection and Burden Estimation

Symposium 186: Spatial Repellents to Prevent Dengue and Malaria: From Active Ingredient Discovery to Policy and Rollout Evaluations

Symposium 187: From Neglect to Action: Results from the Multi-Country Assessment of Prevalence for Female Genital Schistosomiasis (MAP-FGS)

Thursday, November 13, 10:15 am - 11:15 am



Plenary Session 188: Plenary Session IV: Commemorative Lecture

Thursday, November 13, 11:30 am - 1:15 pm



Symposium 189: Mpox Without Borders: Global Trends, Breakthroughs, and Preparedness

Symposium 190: Advances in Multistage Malaria Vaccine for Malaria Prevention and Elimination: Challenges and Opportunities

Scientific Session 191: Malaria - Parasite Transmission Biology



Symposium 192: Enhancing Mental Health and Neglected Tropical Disease Program Integration: Evaluating mhGAP's Impact in West Africa



Symposium 193: Innovations in Tropical Medicine and Global Health (TMGH) Education

Symposium 194: The Paradox of IPTp: Balancing Malaria Control and Maternal and Infant Health Outcomes



Symposium 195: Antimicrobial Resistance: Prevention and Control in LMIC Settings

Symposium 196: Molecular Xenomonitoring: A Game Changer for Eliminating Vector-Borne Diseases in India: Lymphatic Filariasis, Visceral Leishmaniasis, and Malaria

Symposium 197: Towards the First Non-artemisinin Combinations for *falciparum* Malaria: Phase 3 Results, Capacity-Building in WANECAM2 and Beyond

Symposium 198: Hypoxia-Associated Pathways: Key Regulators of Immune Response and Pathogen Growth in Parasitic Infections and Potential Targets for Intervention

Symposium 199: Approaches to Strengthen Climate and Health Data Integration Initiatives for Early Warning and Public Health Decision-making



Symposium 200: Assisting Endemic Countries Today: Essential Components for Eliminating Onchocerciasis: Lessons from Niger and Beyond

Symposium 201: Optimizing Blackfly Trapping for Onchocerciasis Elimination



Symposium 202: Integrating Female Genital Schistosomiasis (FGS) into Health Systems: Transformative Approaches to Advocacy, Training, and Service Delivery