



AMERICAN SOCIETY OF TROPICAL MEDICINE & HYGIENE
ADVANCING GLOBAL HEALTH SINCE 1903

SIXTY-SIXTH ANNUAL MEETING

November 5–9, 2017

The Baltimore Convention Center
Baltimore, Maryland USA

Meeting & Registration Information



astmh.org
ajtmh.org
#TropMed17



Dear Colleagues:

It's my pleasure to welcome you to Baltimore for the 2017 ASTMH Annual Meeting. I'd like to especially welcome our visitors from overseas and trainees. As always, the meeting will feature world-class research findings, clinical updates, and important topical discussions from the world's top TropMed and global health leaders. Plus, it is a great venue to catch up with colleagues, discuss your recent findings or next project, and reinforce your circle of collaborators, mentors and friends.

This year we are fortunate to have two plenary sessions given by distinguished guest speakers. Paul Farmer, MD, PhD, Co-founder of Partners In Health, will deliver our opening keynote address. We'll also have a plenary address on Thursday, November 9, delivered by Anthony S. Fauci, MD, Director of the U.S. National Institute of Allergy and Infectious Diseases.

Look forward to seeing you for a great week in Baltimore.

Chers collègues:

J'ai le plaisir de vous accueillir à Baltimore pour la Réunion Annuelle 2017 de l'ASTMH. J'aimerais particulièrement accueillir nos visiteurs d'outre-mer ainsi que les stagiaires. Comme toujours, la Réunion mettra en évidence les derniers résultats de recherche, les dernières avancées cliniques, ainsi que les débats d'actualité importants des experts mondiaux dans les diverses disciplines de la médecine tropicale et de la santé mondiale. De plus, la Réunion vous offre l'opportunité de retrouver vos collègues pour discuter de vos résultats les plus récents, de vos projets à venir, ainsi que de renforcer vos cercles de collaborateurs, de mentors et d'amis.

Cette année, nous avons le plaisir d'avoir deux séances plénières données par des conférenciers distingués. Paul Farmer, MD, PhD, Co-fondateur de Partners In Health, prononcera notre discours d'ouverture. Nous aurons également une plénière le jeudi 9 novembre, donnée par Anthony S. Fauci, MD, Directeur de l'Institut National des Allergies et des Maladies Infectieuses des États-Unis.

Je vous souhaite une excellente semaine à Baltimore.

Estimados colegas:

Es un gran placer darles la bienvenida a Baltimore para la Reunión Anual de ASTMH de 2017. Me gustaría especialmente dar la bienvenida a nuestros visitantes del extranjero y a los aprendices. Como siempre, la reunión contará con reportes estimulantes de investigación de nivel mundial, avances clínicos y diálogos importantes de parte de los líderes mundiales de las disciplinas diversas de la medicina tropical y salud global. Además, es un gran lugar para ponerse al día con sus colegas, discutir sus hallazgos recientes o el próximo proyecto, y reforzar su círculo de colaboradores, mentores y amigos.

Este año tenemos la suerte de tener dos sesiones plenarias impartidas por distinguidos oradores invitados. Paul Farmer, MD, PhD, co-fundador de Partners In Health, pronunciará nuestro discurso inaugural. También tendremos un discurso plenario el jueves 9 de noviembre, ofrecido por Anthony S. Fauci, MD, Director del Instituto Nacional de Alergias y Enfermedades Infecciosas de los Estados Unidos.

Bienvenidos a ASTMH y Baltimore, esperamos que tengan una gran semana.



Daniel Bausch

Daniel G. Bausch, MD,
MPH&TM, FASTMH
Scientific Program Chair



Patricia F. Walker, MD, DTM&H

Patricia F. Walker,
MD, DTM&H, FASTMH
President



Karen A. Goraleski

Karen A. Goraleski
Executive Director



The Annual Meeting is a five-day educational conference that includes four pre-meeting courses and regularly draws over **4,400** attendees.

Annual Meeting Features

- Scientific sessions devoted to specific topics in tropical medicine and global health
- Scientific poster presentations
- Topical symposia and invited lectures
- Opening reception on Sunday evening
- President's Address, Awards Program and Business Meeting
- Exhibits showcasing tropical medicine and global health products and services
- Student/trainee networking
- Continuing education credits for physicians, physician assistants and veterinarians

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Membership Application

Who We Are

The American Society of Tropical Medicine and Hygiene, founded in 1903, is the largest international scientific organization of experts dedicated to reducing the worldwide burden of tropical infectious diseases and improving global health.

What We Do

We accomplish this through generating and sharing scientific evidence, informing health policies and practices, fostering career development, recognizing excellence, and advocating for investment in tropical medicine/global health research.

ASTMH Acknowledges Its Affiliate Members:

PATRON

Peter Melby

University of Texas Medical Branch



CONTRIBUTOR

Dyan Summers

Zuno Health

Wilbur Milhous

University of South Florida



About the Annual Meeting

WHO ATTENDS THE ASTMH ANNUAL MEETING?



**We are
TropMed**

The ASTMH Annual Meeting draws tropical medicine and global health professionals representing academia, government, non-profits, philanthropy, NGOs, industry, military and private practice. The meeting is designed for researchers, professors, government and public health officials, military personnel, travel clinic physicians, practicing physicians in tropical medicine, students and all healthcare providers working in the fields of tropical medicine, hygiene and global health.

Attend This Meeting if You:

- Work in tropical medicine, hygiene and global health and want to learn the most up-to-date science in the field
- Spend a portion of your professional time in tropical medicine, hygiene or global health and are interested in obtaining an overview of the field

Benefit From This Meeting by:

- Increasing your knowledge base for tropical diseases
- Increasing your scientific knowledge of tropical diseases and pathogens
- Increasing your knowledge base with respect to the latest scientific advances in tropical medicine and hygiene
- Increasing your knowledge of global health strategies
- Visiting exhibits on products and services for the field
- Connecting with old friends and making new connections that will serve you throughout your career

Meeting Objectives

- Identify, evaluate and differentiate various tropical diseases
- Apply current prophylactic and treatment options for tropical diseases
- Explain the basic science background of tropical medicine
- Summarize current research in tropical medicine, hygiene and global health
- Summarize issues relating to the management of dilemmas and emerging issues in tropical medicine and global health



Back by
popular demand



Free Wi-Fi for All Attendees

Your ASTMH registration fee includes Wi-Fi access throughout the registration area and meeting rooms of the Baltimore Convention Center. **Use Wi-Fi to download the ASTMH meeting app from the Apple Store or Google Play** (Wi-Fi is not needed to view the app or access content).

Meeting App

Approximately one month prior to the Annual Meeting, registered attendees can download the meeting app for easy access to all ASTMH program information. Use the app to view the meeting schedule, session and presenter information, full abstracts, exhibitors, maps and the Twitter feed.

Session Audio Recordings

Registrants will have free access to audio recordings and slides of selected sessions within 24 hours. Please note that the entire content of the Annual Meeting will not be available.



“2016 ASTMH Annual Meeting was exceedingly explosive with innovative, technical, scientific and diagnostic inventions at the cutting edge. I can’t miss the next Annual Meeting.”

~ 2016 Attendee

Keynote Address

Sunday, November 5, 2017, 5:30 p.m.

Paul Farmer, MD, PhD

Co-Founder and Chief Strategist of Partners In Health (PIH)

Kolokotronis University Professor and Chair, Department of Global Health and Social Medicine

Harvard Medical School

Chief, Division of Global Health Equity

Brigham and Women's Hospital, Boston

United Nations Special Adviser to the Secretary-General on Community-Based Medicine and Lessons from Haiti

Medical anthropologist and physician Paul Farmer has dedicated his life to improving healthcare for the world's poorest people. He is Co-Founder and Chief Strategist of Partners In Health (PIH), an international non-profit organization that, since 1987, has provided direct healthcare services and undertaken research and advocacy activities on behalf of those who are sick and living in poverty. Dr. Farmer and his colleagues in the U.S. and abroad have pioneered novel community-based treatment strategies that demonstrate the delivery of high-quality healthcare in resource-poor settings.

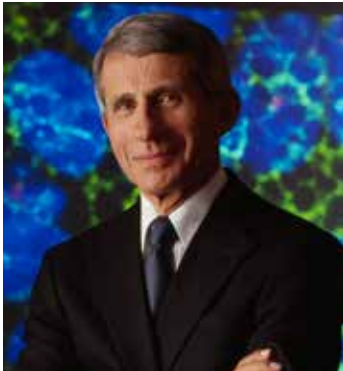
Dr. Farmer holds an MD and PhD from Harvard University, where he is the Kolokotronis University Professor and the Chair of the Department of Global Health and Social Medicine at Harvard Medical School; he is also Chief of the Division of Global Health Equity at Brigham and Women's Hospital, Boston. Additionally, Dr. Farmer serves as the United Nations Special Adviser to the Secretary-General on Community Based Medicine and Lessons from Haiti.

Dr. Farmer has written extensively on health, human rights, and the consequences of social inequality. He is the recipient of numerous honors, including the Margaret Mead Award from the American Anthropological Association, the Outstanding International Physician (Nathan Davis) Award from the American Medical Association, a John D. and Catherine T. MacArthur Foundation Fellowship, and, with his PIH colleagues, the Hilton Humanitarian Prize. He is a member of the Institute of Medicine of the National Academy of Sciences and of the American Academy of Arts and Sciences.



Plenary Session

Thursday, November 9, 2017, 10:15 a.m.



Anthony S. Fauci, MD

Director

National Institute of Allergy and Infectious Diseases

National Institutes of Health

Anthony S. Fauci, MD, is a physician-scientist who directs the NIAID-NIH in Bethesda, MD. He oversees an extensive research program on infectious diseases such as HIV/AIDS, influenza, tuberculosis, Ebola and Zika, as well as diseases of the immune system. Dr. Fauci also serves as one of the key advisors to the White House and Department of Health and Human Services on global infectious disease issues. He was one of the principal architects of the President's Emergency Plan for AIDS Relief (PEPFAR), a program that has saved millions of lives throughout the developing world. Dr. Fauci also is the long-time chief of the NIAID Laboratory of Immunoregulation, where he has made numerous important discoveries related to HIV/AIDS and is one of the most-cited scientists in the field. He is a member of the U.S. National Academy of Sciences and the U.S. National Academy of Medicine, and has received numerous prestigious awards for his scientific and global health accomplishments, including the National Medal of Science, the Robert Koch Medal, the Mary Woodard Lasker Award for Public Service, and the Presidential Medal of Freedom. He has been awarded 43 honorary doctoral degrees and is the author, coauthor, or editor of more than 1,300 scientific publications, including several major textbooks.





Alan J. Magill

Alan J. Magill Malaria Eradication Symposium

ASTMH is proud to hold this symposium, now in its second year and created in memory of ASTMH Past President Alan J. Magill. Supported by the Bill & Melinda Gates Foundation, this session will honor Alan's life work in malaria and his contributions to advancing prospects for eradication. Details regarding the symposium schedule and speaker presentations will be available with the Online Program Planner in late September and the meeting app in October.

Malaria Delenda Est.

ASTMH Thanks the Following Sponsors

(to date)

**Bill & Melinda Gates
Foundation**

LEADER

**Takeda Pharmaceuticals
International AG**

CONTRIBUTOR

TECHLAB Inc.

CONTRIBUTOR

Bayer

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ASTMH Thanks the Following Supporters

(to date)

Burroughs Wellcome Fund

**International Association
for Medical Assistance to
Travellers (IAMAT)**

ASTMH Thanks the Following Donors

(to date)

**William A. Petri, Sr.
The Petri Family**

Thank You!



\$35 Local Student/ Trainee One-Day Rate

ONE DAY ONLY – students from the following states are eligible for the student one-day registration rate: Delaware, Maryland, Pennsylvania, Virginia, Washington, DC, and West Virginia



BEWARE!

Housing scam alert!

See page 39 for information on unauthorized third parties selling hotel rooms.

Activities for Students/Trainees and Career Development Sessions

\$35 Special One-Day Registration Discount For Local Students and Trainees

(Delaware, Maryland, Pennsylvania, Virginia, Washington, DC, and West Virginia)

ASTMH is pleased to offer a special one-day registration fee of \$35 for local students and trainees who have an interest in tropical medicine and global health but can only attend one day of the Annual Meeting. This radically reduced fee is designed for students and trainees from the following states ONLY: Delaware, Maryland, Pennsylvania, Virginia, Washington, DC, and West Virginia. You must submit a valid student ID card with your registration. Students may either pre-register or register onsite to take advantage of this discount. Limited to a one-day purchase. Multiple one-day purchases are not eligible.

Please note that this discounted rate does not apply to the pre-meeting courses. All students pay the full student registration fee for the pre-meeting courses.

ASTMH is pleased to offer the following opportunities for the next generation of leaders in tropical medicine, hygiene and global health:

- Young Investigator Competition and Awards (page 10)
- Elsevier Clinical Research Competition and Awards (page 10)
- Student Reception
- The TropStop Student/Trainee Lounge
- TropStop Office Hours — Watch for more details
- Meet the Professors Sessions (page 10)
- Speed-Networking Session (Limited space, pre-registrants only)
- Tropical Medicine Postdoctoral Training: Burroughs Wellcome Fund/ASTMH Fellowship Award and Other Opportunities
- ASTMH Committee on Global Health (ACGH) Symposium II: Building a Successful Career in Global Health — An Interactive Session with Global Health Experts

Roommate Service

For assistance in finding a roommate, contact Brenda Howe at +1-847-686-2389, or email bhowe@astmh.org.



“Excellent — top scientists in the field — up-to-date and cutting edge.”
~2016 Attendee

First-Time Attendee Orientation: Point of Entry

Sunday, November 5

2:30 p.m. – 3:30 p.m.

Are you new to the ASTMH Annual Meeting and want to get the lay of the land? Don't miss our Point of Entry session on Sunday afternoon. ASTMH staff will orient new attendees to the schedule, session structure and highlights of the Annual Meeting. Meet others attending the conference for the first time and expand your professional network while learning the ins and outs of the meeting.

Young Investigator Award Competition

Sunday, November 5, 10 a.m. – 3 p.m.

ASTMH thanks the Petri Family, TECHLAB Inc. and PLOS for their support of these sessions. Young Investigator Award competition sessions are open to all meeting attendees. A list of applicants and the presentation schedule will be included in the Program Book. Support these young scientists in the tropical medicine and hygiene field as they share reports about their research and projects.

Elsevier Clinical Research Award Competition

Sunday, November 5, Noon – 2:30 p.m.

ASTMH gratefully acknowledges the support of Elsevier Health Sciences for its support of this award. The Elsevier Clinical Research Award competition sessions are open to all meeting attendees. The award recognizes excellence in clinical research presented by a student at the Annual Meeting. A list of applicants and the presentation schedule will be included in the Program Book and meeting app.

TropStop — The Student/Trainee Lounge

Monday, Tuesday and Wednesday

ASTMH is pleased to offer a designated area for conversation and networking with other young colleagues. Students/trainees are encouraged to visit the TropStop, meet other students/junior investigators and catch up with friends and colleagues.

TropStop Office Hours — Meet and Talk with Up-and-Coming Professionals in the Field

The TropStop schedule will include Office Hours to meet up-and-coming professionals in the fields of tropical medicine, global health, science and industry who will share their personal career paths and answer any questions you have.

Meet the Professors Sessions

Monday, Tuesday and Wednesday, 12:15 p.m. – 1:30 p.m.

Students and trainees are especially encouraged to attend these interactive sessions, which are open to all meeting attendees. The speakers will present a clinical case of a tropical disease specific to a particular region that they have found a challenge to manage or diagnose.





Follow ASTMH on Social Media at the Meeting

Don't miss out on the latest meeting updates and timely news!



Subscribe to the ASTMH Facebook page for updates from the Annual Meeting and for relevant content year round.



Follow **@ASTMH**. During the conference, follow what your colleagues are saying with the **#TropMed17** hashtag. Add the Twitter application to your smartphone and get your updates in real time!



Enjoy classic video interviews of pioneers in the field, such as William Reeves, Calista and Ottis Causey, Thomas Weller and Jordi Casals.





Pre-Meeting Courses

Clinical Pre-Meeting Course:

MIGRANT HEALTH: ADDRESSING HEALTH DISPARITIES – A GUIDE FOR THE PRACTITIONER

Parasitology Pre-Meeting Course:

SINGLE CELL BIOLOGY FOR PARASITOLOGISTS

Global Health Pre-Meeting Course:

THE ECONOMICS OF HEALTH AND DISEASE: MAKING THE CASE FOR GLOBAL HEALTH SPENDING

Arbovirology Pre-Meeting Course:

CLINICAL PRESENTATION AND MANAGEMENT OF ARBOVIRAL DISEASES: LESSONS FROM THE BEDSIDE FOR THE RESEARCHERS AT THE BENCH OR IN THE BUSH

“Premier meeting
on the planet
for malaria.”

~2016 Attendee

Clinical (ACCTMTH – Clinical Group) Pre-Meeting Course:

MIGRANT HEALTH: ADDRESSING HEALTH DISPARITIES – A GUIDE FOR THE PRACTITIONER

Saturday, November 4

1 p.m. – 5 p.m.

Sunday, November 5

7 a.m. – 3:45 p.m.

This course offers a comprehensive examination of the health disparities and unique health needs of diverse migrant populations, the systems designed to respond to them, and the skills needed by their healthcare providers. The course will review the changes in migration over time and the value migrants bring to our societies. Various national screening strategies will be reviewed along with some disease-specific programs. Recent experiences in managing surges in migration will be presented. Cultural competence skills and their integral role in migrant care will be presented and illustrated through clinical cases. These topics will be presented by well-recognized faculty with a global perspective. The target audience includes any clinician who cares for migrants and would like to develop a deeper understanding of the broad context of migrant health and expand their knowledge of conditions and skills needed to provide optimal care for this population.

Course Objectives

- Recognize the resources needed to provide culturally competent care
- Contribute to optimal care for migrant populations
- Establish mechanisms to ensure that migrant patients are well-connected to disease-specific management programs

Target Audience

This course is designed for any clinician who cares for migrants, and would like to develop a deeper understanding of the broad context of migrant health and expand their knowledge of conditions and skills needed to provide optimal care for this population.



Attend this course if you:

- Seek cultural competence skills and an understanding of their integral role in migrant care
- Face challenges determining the best approach to screening in the context of the national immigration health system
- Seek information on how to navigate the continuum of care and optimize the management of conditions identified through screening

Benefit from this course by:

- Improving your cultural competence and advocating for systemic resources to assist in that goal
- Increasing your competence to provide optimal care for migrant populations
- Improving the continuity of care for patients with specific conditions

Clinical Pre-Meeting Course Agenda

Saturday, November 4

1 p.m.	Introduction – Course Scope and Goals <i>Christina Greenaway, MD, FRCPC</i> <i>Susan Kuhn, MD, MSc, DTMH</i>
1:15 p.m.	Migrant Health Needs Over Time and Across the Migration Spectrum <i>Francesco Castelli, MD, FRCP (London), FFTM RCPS (Glasgow)</i>
2 p.m.	The Benefits of Migration: Globalizing Human Capital <i>Ambassador William Swing</i>
2:45 p.m.	Coffee Break
3 p.m.	Pre-Departure Screening Strategies: The U.S. Model <i>William Stauffer, MD, MSPH, FASTMH</i>
4 p.m.	Post-Arrival and Mixed Screening Strategies: Everyone Else! <i>Christina Greenaway, MD, FRCPC</i>
5 p.m.	Attendee Reception

Sunday, November 5

7 a.m.	Networking Breakfast
8 a.m.	Response to Surges – The Experience with Syrian Migrants and the European Refugee Crises <i>Androula Pavli, MD, FRACGP, DTM, MPH, PhD</i>
9 a.m.	Navigating the Health Care System: The Migrant Prospective (Video Narratives of Migrants) <i>Susan Kuhn, MD, MSc, DTMH</i>
9:30 a.m.	Best Practices: Incorporating Cultural Competence <i>Patricia F. Walker, MD, DTM&H, FASTMH</i>
10:30 a.m.	Coffee Break
10:45 a.m.	Challenges in Case Management <i>Lavanya Narasiah, MD, MSc, CCFP</i> <i>Rogelio Lopez Velez, MD, DTMH, PhD</i>
11:45 a.m.	The VRF Traveler: An Opportunity for Health Promotion <i>Elizabeth Day Barnett, MD, FASTMH</i>

FACULTY AFFILIATIONS



12:30 p.m.	Lunch on your own
1:45 p.m.	Getting the Desired Outcomes: Going Beyond the Screening Basics in Hepatitis B and C <i>Alexander Millman, MD</i>
2:30 p.m.	Getting the Desired Outcomes: Going Beyond the Screening Basics in Active and Latent Tuberculosis <i>Dominik Zenner, MD</i>
3:15 p.m.	Wearing Your Advocacy Hat in Migrant Health <i>Janet Cleveland, PhD</i>
3:45 p.m.	Course Adjourns

Faculty List

Chris Greenaway, MD, FRCPC

Course Co-Chair
Department of Microbiology
Jewish General Hospital
Montreal, QC, Canada

Susan Kuhn, MD, MSc, DTM&H

Course Co-Chair
Associate Professor
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Alberta Children's Hospital
Calgary, AB, Canada

Elizabeth Day Barnett, MD, FASTMH

Professor of Pediatrics
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Francesco Castelli, MD, FRCP (London), FTM RCPS (Glasgow)

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Brescia, Italy

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Rogelio Lopez Velez, MD, DTM&H, PhD

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Dominik Zenner, MD

Department of Infection and
Population Health
University College London
London, United Kingdom



“Great science.”

~2016 Attendee

Clinical Pre-Meeting Course Fees

November 4, 2017:

1 p.m. – 5 p.m.; Pre-Meeting Course Attendee Reception: 5 p.m.

November 5, 2017:

7 a.m. – 3:45 p.m.

Full 1.5-Day Course

Saturday, November 4 and Sunday, November 5

	On or before September 22	September 23 through October 20	October 21 through Onsite
Member	\$290	\$320	\$350
Non-Member	\$545	\$575	\$605
Student/Trainee Member	\$160	\$190	\$220
Student/Trainee Non-Member	\$185	\$215	\$245

Accreditation and Continuing Medical Education Credit

ASTMH is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. ASTMH designates this live educational activity for a maximum of 10 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Assistant Continuing Education Credit

AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 10 *AMA PRA Category 1 Credits™* for completing this program.

Disclosure of Faculty's Commercial Relationships

Consistent with ASTMH policy, faculty are required to disclose any economic or other personal interests that create, or may be perceived as creating, a conflict of interest related to the material discussed. ASTMH resolves all conflicts of interest. Faculty are required to disclose at the beginning of their presentation(s) any relevant financial relationships, as well as any product mentioned during the presentation that is not labeled for the use under discussion or is still investigational. This policy is intended to allow attendees to form their own judgments about such material.

Clinical Pre-Meeting Course Syllabus—Available Online

Approximately one week prior to the course, the syllabus with course materials will be available for download to pre-registrants. All pre-registrants will receive an email with instructions for downloading the syllabus. A printed syllabus will not be distributed at the course.





Parasitology (ACMCIP) Pre-Meeting Course:

SINGLE CELL BIOLOGY FOR PARASITOLOGISTS

Sunday, November 5

7 a.m. – 4 p.m.

From transmission to pathology and treatment, parasitic diseases are the complex result of the actions of individual cells, of groups of cells or organs, and of whole organisms. Technological limitations have largely confined most research to examining bulk populations of host, parasite or vector cells. This has obscured important biology happening at the single cell level. There have been remarkable advances in the ability to identify, capture and analyze individual cells from their environment that are enabling research at a finer scale than previously feasible. This course will introduce the emerging tools that are being used to dissect the biology of single cells. The course will focus on four main areas: I) identification, marking and capture of single cells; II) 'omics approaches for single cell biology; III) data analysis for single cell biology; and IV) the scale and cost of single cell analysis. The course will draw from aspects of host, vector and parasite biology.

Course Objectives

- Analyze data for single cell biology and summarize the scale and cost of single cell analysis
- Explain the 'omics approaches for single cell biology
- Describe the tools available for identification, marking and capture of single cells

Target Audience

- Scientists, physicians, clinicians, graduate students and educators with interests in the topic of single cell biology

Attend this course if you:

- Seek knowledge about the transmission, pathology and treatment of parasitic diseases as the complex result of the actions of individual cells, of groups of cells or organs, and of whole organisms
- Face technological limitations that confine research to examining bulk populations of host, parasite or vector cells
- Seek information about emerging tools that are being used to dissect the biology of single cells

Benefit from this course by:

- Increasing your ability to analyze data for single cell biology
- Increasing your awareness of approaches to single cell biology involving 'omics methods
- Increasing your ability to utilize tools for available for single cells



BEWARE!

Housing scam alert!

See page 39 for information on unauthorized third parties selling hotel rooms.



“Meeting helped
us build NTD
policy in
Vietnam.”
~2016 Attendee

Parasitology Pre-Meeting Course Agenda

Sunday, November 5

7 a.m.	Light Continental Breakfast
7:45 a.m.	Opening Remarks <i>Stephen M. Beverley, PhD, FASTMH</i>
8 a.m.	How Can Parasitology Benefit from Single Cell Research?
8:45 a.m.	Dissecting Liver Stage Malaria Progression with Single Cell Imaging <i>Kirsten Hanson, PhD</i>
9:30 a.m.	Dissection of Sexual Commitment in Malaria Parasites Using Highly Parallel Single Cell Transcriptomics <i>Bjorn Kafsack, PhD</i>
10:15 a.m.	Coffee Break
10:30 a.m.	Measuring Anueploidy in Single <i>Leishmania</i> Parasites <i>Malgorzata Domagalska, PhD</i>
11:15 a.m.	Single Cell Transcriptomics of <i>Plasmodium vivax</i> hypnozoites <i>Richárd Bártfai, PhD</i>
Noon	Lunch (on your own)
1:15 p.m.	Single Cell Dissection of <i>Schistosoma</i> Stem Cells <i>Bo Wang, PhD</i>
2 p.m.	Bioinformatic Approaches to Single Cell Parasitology <i>Jessica Kissinger, PhD</i>
2:45 p.m.	Break
3 p.m.	Tracing Cell Lineages <i>Patrick Cahan, PhD</i>
3:45 p.m.	Closing Remarks <i>Stephen M. Beverley, PhD, FASTMH</i> <i>Ian Cheeseman, PhD</i>
4 p.m.	Course Adjourns



FACULTY AFFILIATIONS



Faculty List

Stephen M. Beverley, PhD, FASTMH

Course Co-Chair

Professor and Head of Molecular Microbiology
Washington University School of Medicine
St. Louis, MO, United States

Ian Cheeseman, PhD

Course Co-Chair

Milton S. & Geraldine M. Goldstein Young Scientist
Assistant Scientist
Department of Genetics
Texas Biomedical Research Institute
San Antonio, TX, United States

Richárd Bártfai, PhD

Assistant Professor
Department of Molecular Biology
Faculty of Science
Radboud Institute of Molecular Life Sciences
Nijmegen, The Netherlands

Patrick Cahan, PhD

Assistant Professor
Department of Biomedical Engineering
Johns Hopkins School of Medicine
Baltimore, MD, United States

Malgorzata Domagalska, PhD

Post-Doctoral Researcher
Molecular Parasitology Unit
Department of Biomedical Sciences
Institute of Tropical Medicine
Antwerp, Belgium

Kirsten Hanson, PhD

Assistant Professor
Department of Biology
University of Texas at San Antonio
San Antonio, TX, United States

Bjorn Kafsack, PhD

Assistant Professor of Microbiology and Immunology
Weill Cornell Medicine
New York, NY, United States

Jessica Kissinger, PhD

Distinguished Research Professor
Director
Institute of Bioinformatics
Department of Genetics
University of Georgia
Athens, GA, United States

Bo Wang, PhD

Assistant Professor of Bioengineering
Stanford University
Stanford, CA, United States

Parasitology Pre-Meeting Course Fees

	On or before September 22	September 23 through October 20	October 21 through Onsite
Member	\$260	\$290	\$320
Non-Member	\$490	\$520	\$550
Student/Trainee Member	\$125	\$155	\$185
Student/Trainee Non-Member	\$150	\$180	\$245

Accreditation and Continuing Medical Education Credit

ASTMH is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. ASTMH designates this live educational activity for a maximum of 6.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

“Happy to see
more clinical
medicine
sessions.”

~2016 Attendee

Physician Assistant Continuing Education Credit

AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 6.5 *AMA PRA Category 1 Credits™* for completing this program.

Disclosure of Faculty's Commercial Relationships

Consistent with ASTMH policy, faculty are required to disclose any economic or other personal interests that create, or may be perceived as creating, a conflict of interest related to the material discussed. ASTMH resolves all conflicts of interest. Faculty are required to disclose at the beginning of their presentation(s) any relevant financial relationships, as well as any product mentioned during the presentation that is not labeled for the use under discussion or is still investigational. This policy is intended to allow attendees to form their own judgments about such material.

Parasitology Pre-Meeting Course Syllabus—Available online

Approximately one week prior to the course, the syllabus with course materials will be available for download to pre-registrants. All pre-registrants will receive an email with instructions for downloading the syllabus. A printed syllabus will not be distributed at the course.

CONGRATULATIONS 2016 ASTMH/BMGF Travel Award winners!





Global Health (ACGH) Pre-Meeting Course: THE ECONOMICS OF HEALTH AND DISEASE: MAKING THE CASE FOR GLOBAL HEALTH SPENDING

Sunday, November 5

8 a.m. – 3:30 p.m.

Economics and health are inextricably intertwined. Income level, the distribution of income, social status, location and other social attributes have a critical impact on health and wellbeing for an individual and on population health. At the same time, health status enhances or limits an individual's and a nation's prospects for economic and human development. Disease and disability impose a grave economic burden, particularly on poor people and poor populations.

Economics also plays a critical role in determining which health interventions will be implemented. Governments and donors generally require evidence of the preponderance of economic benefits over costs before they will implement programs for prevention or treatment.

This course aims to answer questions that healthcare professionals may have about economic evaluations of health interventions. It includes an overview of the economic burden of disease. Topics include:

- How an economic study is framed
- Examples of economic studies
- The kinds of data health economists need to evaluate and defend expenditures
- How healthcare professionals can gather data needed for economic evaluation of their projects
- How to utilize economic data to promote global health at the local, national and international level

Course Objectives

- Cite data that health economists need to evaluate and defend expenditures
- Compile data needed for economic evaluation of global health projects
- Utilize economic data to promote global health at the local, national and international level

Target Audience

This course is for graduate students, public health practitioners, global health policymakers and development partners with an interest in the economic burden of disease.

Attend this course if you:

- Seek instruction on how to cite evidence of the economic benefits over costs with respect to public health program implementation
- Seek to establish methods to collect data needed in evaluations of effectiveness with respect to public health program implementation
- Seek methods and data used by economists and policy makers in determining the success of public health programs in order to promote them effectively

“The content
was very
international!”
~2016 Attendee

Benefit from this course by:

- Increasing your competence in data analysis to evaluate and defend public health expenditures
- Increasing your knowledge of data collection needed at the time public health programs are initiated
- Increasing your understanding of critical analysis involved in economic analyses

Global Health Pre-Meeting Course Agenda

8 a.m.	Light Continental Breakfast
8:30 a.m.	Welcome and Introductory Remarks: Economics and Health <i>Eileen Stillwaggon, PhD</i>
8:45 a.m.	Framing and Economic Evaluation – The Economic Evaluation Toolkit: Cost-Benefit, Cost-Effectiveness, Cost-Utility <i>Phaedra Corso, PhD, MPA</i>
9:15 a.m.	Question and Answer Session
9:30 a.m.	The Economic Evaluation Toolkit: An Example (Part I) <i>Deborah McFarland, PhD, MPH</i>
10 a.m.	Question and Answer Session
10:15 a.m.	Coffee Break
10:30 a.m.	The Economic Evaluation Toolkit: An Example (Part II) <i>Joseph D. Njau, PhD, MA</i>
11 a.m.	Question and Answer Session
11:15 a.m.	Panel and Questions <i>Phaedra Corso, PhD, MPH</i> <i>Deborah McFarland, PhD, MPH</i> <i>Joseph D. Njau, PhD, MA</i> <i>Moderator: Eileen Stillwaggon, PhD</i>
11:45 a.m.	Lunch (on your own)
1 p.m.	Keynote Address: The Economic Burden of Disease of Poverty Across the World <i>Lorenzo Savioli, MD, DTM&H, MSc, Cav.OMRI</i>
1:45 p.m.	An Innovative Approach to Economic Evaluation <i>Michelle Remme, MSc</i>
2:15 p.m.	Political Considerations for Communicating with Policy Makers <i>Christopher Dickey, DrPH, MBA</i>
2:45 p.m.	Applying Economic Findings to Programmatic and Policy Decisions: Talking to Ministers and Getting Them to Talk to Each Other <i>Christopher Dickey, DrPH, MBA</i> <i>Michelle Remme, MSc</i> <i>Lorenzo Savioli, MD, DTM&H, MSc, Cav.OMRI</i> <i>Moderator: Eileen Stillwaggon, PhD</i>
3:15 p.m.	Course Wrap-Up
3:30 p.m.	Course Adjourns

FACULTY AFFILIATIONS



Faculty List

Eileen Stillwaggon, PhD

Course Organizer

Professor of Economics and Benjamin
Franklin Professor of Arts and Sciences
Department of Economics
Gettysburg College
Gettysburg, PA, United States

Ilin Chuang, MD, MPH

Course Co-Chair

Director of Product Development
Naval Medical Research Center
Silver Spring, MD, United States

Juliette Morgan, MD

Course Co-Chair

Country Director
Centers for Disease Control and
Prevention South Caucasus
Tbilisi, Georgia

Christina Polyak, MD, MPH

Course Co-Chair

Research Physician
Military HIV Research Program
Walter Reed Army Institute of Research
Washington, DC, United States

Miguel Reina Ortiz, MD, PhD, MPH

Course Co-Chair

Assistant Professor
Department of Global Health
University of South Florida
Tampa, FL, United States

Phaedra Corso, PhD, MPA

University of Georgia Foundation Professor
of Human Health
Director, Economic Evaluation
Research Group
Department of Health Policy and
Management
Associate Director
Owens Institute for Behavioral Research
Athens, GA, United States

Christopher Dickey, DrPH, MBA

Director of Global Health
Director, Global Professional Studies
and Entrepreneurship
Clinical Associate Professor of
Global Public Health
New York University College of
Global Public Health
New York, NY, United States

Deborah McFarland, PhD, MPH

Professor
Hubert Department of Global Health
Rollins School of Public Health
Emory University
Atlanta, GA, United States

Joseph D. Njau, PhD, MA

Senior Service Fellow
Division of Global Migration and Quarantine
at the National Center for Zoonotic and
Emerging Infectious Diseases
Centers for Disease Control and Prevention
Atlanta, GA, United States

Michelle Remme, MSc

Assistant Professor in Health Economics
London School of Hygiene & Tropical
Medicine
London, United Kingdom

Lorenzo Savioli, MD, DTM&H, MSc, Cav. OMRI

Senior Professorial Fellow
Department of Parasitology
Liverpool School of Tropical Medicine
Chavannes de Bogis, Switzerland



Global Health Pre-Meeting Course Fees

	On or before September 22	September 23 through October 20	October 21 through Onsite
Member	\$260	\$290	\$320
Non-Member	\$490	\$520	\$550
Student/Trainee Member	\$125	\$155	\$185
Student/Trainee Non-Member	\$150	\$180	\$210

“Content on viral diseases (dengue, Zika, chikungunya) was great and timely.”

~2016 Attendee

Accreditation and Continuing Medical Education Credit

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Physician Assistant Continuing Education Credit AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 5.5 *AMA PRA Category 1 Credits™* for completing this program.

Disclosure of Faculty's Commercial Relationships

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“The best event to
bring arbovirologists
(field and lab)
together.”

~2016 Attendee

Arbovirology (ACAV) Pre-Meeting Course:

CLINICAL PRESENTATION AND MANAGEMENT OF ARBOVIRAL DISEASES: LESSONS FROM THE BEDSIDE FOR RESEARCHERS AT THE BENCH OR IN THE BUSH

Sunday, November 5

7 a.m. – 3:15 p.m.

Facing ongoing global arbovirus outbreaks in people and animals, the American Committee on Arthropod-Borne Viruses (ACAV) pre-meeting course will educate arbovirology researchers from the laboratory and field on clinical arbovirus disease. Participants will learn the clinical presentations of pathogenic arboviruses of humans and animals, how to diagnose and treat infections, and current progress on arbovirus therapeutics and vaccines in development. The course will focus on flaviviruses including Zika virus, alphaviruses and bunyaviruses that cause arthralgic, hemorrhagic or encephalitic disease.

Course Objectives

- Identify clinical presentations of pathogenic arboviruses of humans and animals
- Diagnose and treat arbovirus infections
- Summarize current arbovirus therapeutics and vaccines that are available and in development

Target Audience

- Scientists, physicians, clinicians, residents, fellows, graduate students and educators with an interest in the topic of arboviral diseases.

Attend this course if you:

- Seek information on the clinical presentation of ongoing global arbovirus outbreaks in people and animals
- Seek information to diagnose and treat arbovirus infections, especially for newly emerging arboviruses like Zika
- Seek an understanding of the available and developing arbovirus therapeutics and vaccines

Benefit from this course by:

- Improving your ability to identify clinical presentations of pathogenic arboviruses of humans and animals
- Improving your understanding to diagnose and treat arbovirus infections
- Improving your ability to describe the current state of arbovirus therapeutics and vaccines



Arbovirology Pre-Meeting Course Agenda

7 a.m.	Light Continental Breakfast
7:45 a.m.	Welcome and Introduction by Course Organizers <i>Lark Coffey, PhD</i> <i>Kathryn Hanley, PhD</i> <i>A. Desiree LaBeaud, MD</i>
8 a.m.	Diagnosis and Treatment of Arthralgic and Hemorrhagic Arboviruses in Humans <i>Stephen J. Thomas, MD, FACP, FIDSA, FASTMH</i>
8:45 a.m.	Diagnosis and Treatment of Encephalitic Arboviruses in Humans <i>Tom Solomon, MD, PhD</i>
9:30 a.m.	Special Consideration of Prenatal Infection with Arboviruses in Humans <i>A. Desiree LaBeaud, MD</i>
10 a.m.	Coffee Break
10:15 a.m.	Diagnosis and Treatment of Arthralgic and Hemorrhagic Arboviruses in Animals <i>Richard Bowen, DVM, PhD</i>
11 a.m.	Diagnosis and Treatment of Encephalitic Arboviruses in Animals <i>Kristen Bernard, DVM, PhD</i>
11:45 a.m.	Lunch (on your own)
1 p.m.	Current State of Flavivirus Vaccines <i>Anna Durbin, MD</i>
1:45 p.m.	Current State of Alphavirus Vaccines <i>Shannan Rossi, PhD</i>
2:30 p.m.	Arbovirus Therapeutics: What's Flowing Fastest in the Pipeline? <i>Pei-Yong Shi, PhD</i>
3:15 p.m.	Course Adjourns



FACULTY AFFILIATIONS



Faculty List

Lark Coffey, PhD

Course Co-Chair
Assistant Professor
School of Veterinary Medicine
Department of Pathology, Microbiology
and Immunology
University of California Davis
Davis, CA, United States

Kathryn A. Hanley, PhD

Course Co-Chair
Professor
Department of Biology
New Mexico State University
Las Cruces, NM, United States

A. Desiree LaBeaud, MD

Course Co-Chair
Associate Professor of Pediatrics
Stanford University
Stanford, CA, United States

Kristen Bernard, DVM, PhD

Associate Professor
University of Wisconsin at Madison
PBS, School of Veterinary Medicine
Madison, WI, United States

Richard A. Bowen, DVM, PhD

Professor
Biomedical Sciences
Colorado State University
Wellington, CO, United States

Anna P. Durbin, MD

Professor, International Health
Johns Hopkins Bloomberg School
of Public Health
Baltimore, MD, United States

Shannan Rossi, PhD

Research Scientist
Department of Pathology
University of Texas Medical Branch
Galveston, TX, United States

Pei-Yong Shi, PhD

I.H. Kempner Professor of Human Genetics
Department of Biochemistry and Molecular
Biology
University of Texas Medical Branch
Galveston, TX, United States

Tom Solomon, MD, PhD

Professor
Institute of Infection and Global Health
University of Liverpool
Liverpool, United Kingdom

Stephen J. Thomas, MD, FACP, FIDSA, FASTMH

Professor of Medicine
Chief, Division of Infectious Diseases
SUNY Upstate Medical University
Syracuse, NY, United States

Arbovirology Pre-Meeting Course Fees

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Member	\$260	\$290	\$320
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Student/Trainee Non-Member	\$150	\$180	\$210

“The refugee health symposium was phenomenal.”

~2016 Attendee

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Invited Lectures

ASTMH President's Address

Migration Medicine: Notes on a Young Science

Wednesday, November 8, 6:15 p.m.



Patricia Walker, MD, DTM&H, FASTMH
Professor of Medicine, University of Minnesota
Medical Director, HealthPartners Travel and Tropical Medicine Center
Staff Physician, HealthPartners Center for International Health
Associate Medical Director, Global Health Pathway, University of Minnesota

Dr. Patricia Walker is an internist specializing in refugee and immigrant health, and clinical tropical and travel medicine. She is a Professor of Medicine at the University of Minnesota, and from 1988-2011, served as the Medical Director at HealthPartners Center for International Health, a nationally known refugee and immigrant health clinic. She continues to practice medicine and teach resident physicians at the Center. She attended Mayo Medical School and Mayo Graduate School of Medicine, where she received a Graduate Travel Award for Outstanding Achievement in Internal Medicine.

In addition to other awards, in 2004 she was honored as one of the Top 100 Influential Health Care Leaders in Minnesota. She received a Distinguished Alumnus in Medicine award from Gustavus Adolphus College in 2010. From 2002 through 2004, she chaired the State of Minnesota Immigrant Health Task Force, a statewide group of 70 experts who developed best practices in care for refugees and immigrants in Minnesota. These best practices are being shared nationally and internationally.

Dr. Walker has published multiple articles and book chapters on refugee and immigrant health, and co-edited a medical textbook published in October 2007, "Immigrant Medicine", the first of its kind. She serves as the Associate Medical Director of the Global Health Pathway at the University of Minnesota.

Her research focuses on best practices in refugee and immigrant health, and she serves as HealthPartners Principle Investigator for the CDC's Refugee Centers of Excellence. Her work was profiled in the Lancet in February, 2017.

Dr. Walker received her Diploma in Tropical Medicine and Hygiene from the London School of Hygiene & Tropical Medicine in 1997, and further studied clinical tropical medicine as part of a Bush Medical Leadership Fellowship at Chiang Mai University in Thailand. She received her Certificate in Tropical Medicine and Travelers' Health from the American Society of Tropical Medicine and Hygiene, and a Certificate of Knowledge in Clinical Tropical Medicine from the International Society of Travel Medicine. She speaks Thai and Cambodian, and enjoys teaching tropical medicine, learning from people all over the world and international travel. Dr. Walker is a Fellow in the American Society of Tropical Medicine and Hygiene and is current President of the Society.



Fred L. Soper Lecture

Monday, November 6, 6:15 p.m.

Scott O'Neill, PhD, FAA, FAAAA

*Director, Institute of Vector-Borne Disease
Monash University, Australia*



Professor Scott O'Neill (PhD FAA FAAAA) is the Director of the Institute of Vector-Borne Disease at Monash University, Australia. He has spent his academic career at the University of Illinois, Yale University, the University of Queensland and Monash University where until recently he was the Dean of Science. Scott leads The Eliminate Dengue Program, an international not-for-profit consortium that is working on the development of *Wolbachia* as a novel method to sustainably and cost effectively block transmission of arboviruses like dengue, Zika and chikungunya. The Eliminate Dengue program is undertaking field trials and pilot deployments in multiple countries. A central feature of this program is the emphasis on the use of *Wolbachia* to reduce pathogen transmission rather than suppress mosquito populations. More information can be found at www.eliminatedengue.com. Scott is an elected Fellow of the Australian Academy of Science, the American Association for the Advancement of Science, and the American Academy of Microbiology.



Fred L. Soper

Vincenzo Marcolongo Memorial Lecture

Claudio F. Lanata, MD, MPH

*Senior Researcher
Nutritional Research Institute
Lima, Peru*



Dr. Lanata is Senior Researcher at the Nutritional Research Institute in Lima, Peru, which he joined in 1983 after returning from his post-graduate training in the United States. He has led extensive research in child health and nutrition areas, mainly on diarrheal and respiratory diseases, micronutrients and vaccine development. His work has resulted in two books, 27 chapters and more than 150 journal publications, mainly in major international journals, as well as in several collaborations. He has been an active collaborator with WHO and PAHO, has served as a Trustee of the International Center for Diarrhoeal Disease Research, Bangladesh (ICDDR,B) and founded the Child Health and Nutrition Research Initiative (CHNRI) in Switzerland. He also has been a member of the Child Health Epidemiology Reference Group (CHERG), as well as of the Foodborne Epidemiology Reference Group (FERG) of WHO, and continues to be part of several expert committees on diarrheal diseases and vaccine development. Since 2011, Dr. Lanata has been a member of the Pneumonia Etiology Research for Child Health (PERCH) and the Research for Product Development Advisory Committee Strategic Advisory Group of Experts (SAGE), WHO. He is an Adjunct Professor, Department of Pediatrics at Vanderbilt University, and Honorary Professor at the London School of Hygiene & Tropical Medicine. Since 2009, he has been an Associate Member of the Peruvian Academy of Medicine.



Vincenzo Marcolongo

Commemorative Fund Lecture

Tuesday, November 7, 6:15 p.m.



Jane Cardoso, DPhil
Chief Scientific Officer
Sentinext Therapeutics
Penang, Malaysia

Dr. Jane Cardoso completed a bachelor's degree at Princeton University in 1974, an M.Phil. at Columbia University in New York in 1975 and a D.Phil. at Oxford University in 1984. She has extensive experience conducting research in developing countries and has combined basic research with translational research in Penang and in Sarawak, Malaysia. She has also been actively involved in disease surveillance activities, especially for dengue, Japanese encephalitis and enterovirus 71, as well as for other emerging diseases.

Dr. Cardoso has served on a number of international scientific boards and committees, using the insight she developed from working in developing countries to address global health problems. Among others she has been a member of the WHO Advisory Group on Dengue and other Flavivirus Vaccines, the Scientific Board of the Bill and Melinda Gates Foundation initiative, Grand Challenges in Global Health, and the Scientific Advisory Board of the Grand Challenges Canada.

In February 2009, she had the honor of giving a Tanner Lecture on Emerging Infectious Diseases on the occasion of the 500th anniversary of Brasenose College, Oxford University.

Dr. Cardoso is now retired from academic service and is committed to developing novel vaccines needed by children in developing countries. She is Chief Scientific Officer of Sentinext Therapeutics, a biotechnology startup based in Penang, Malaysia, and is currently deeply involved in overseeing the manufacture of a Virus-Like Particle (VLP) vaccine for enterovirus 71, a virus that causes large outbreaks in the Asia Pacific during which there is significant mortality and morbidity, including encephalitis and flaccid paralysis. A phase I clinical trial is planned for mid-2017.





Registration Information

Registration Fees

Member, non-member and student/trainee registration fees include plenary sessions, scientific sessions, symposia, poster sessions, exhibit hall admittance, light lunches, coffee breaks and Sunday's opening reception. Pre-meeting courses and CME documentation require additional fees. Participation is limited to registered attendees and guests. The official ASTMH Annual Meeting name badge is required for admittance to all sessions and events. Attendees may register in advance at astmh.org by using the online registration system or by completing the Annual Meeting registration form and submitting it with full payment to the ASTMH office. Attendees may also register onsite at the meeting.

	On or before September 22	September 23 through October 20	October 21 throughout the Annual Meeting
Member	\$545	\$605	\$665
Non-member	\$870	\$930	\$990
Student/Trainee	\$190	\$250	\$310
Student Non-Member/Trainee	\$215	\$275	\$335
Emeritus Member	\$205	\$265	\$325
Spouse/Partner/Guest	\$185	\$185	\$210
Local Student/Trainee	\$35	\$35	\$35

Join Now

Non-members, join now and qualify for the reduced member registration fee. Download the membership application or join online at astmh.org. Membership includes an e-subscription and reduced page charges for publication in the Society's monthly journal, the *American Journal of Tropical Medicine and Hygiene*.

Included in the Registration Fee....

Free Wi-Fi for All Attendees

Your ASTMH registration fee includes free Wi-Fi access throughout the registration area and meeting rooms of the Baltimore Convention Center. Use Wi-Fi to download the ASTMH meeting app from the Apple Store or Google (Wi-Fi is not needed to view the app or access content).

Meeting App

Approximately one month prior to the Annual Meeting, registered attendees can download the meeting app for easy access to all ASTMH program information. Use the app to view the meeting schedule, session and presenter information, full abstracts, exhibitors, maps and the Twitter feed.

Session Audio Recordings

Registrants will have free access to audio recordings and slides of selected sessions within 24 hours. Please note that the entire content of the Annual Meeting will not be available.



BEWARE!

Housing scam alert!

See page 39 for information on unauthorized third parties selling hotel rooms.



“Bringing it all together in one place — where else do you find this?”

~2016 Attendee

Food Functions

- Opening reception
- Coffee breaks
- Light lunches
- Special functions for students/trainees
- Student reception
- Meet the Professors lunches on Monday, Tuesday and Wednesday

e-Abstract Book

The Annual Meeting Abstract Book will be available in electronic format, saving the ecological cost of printing 1,455,200 sheets of paper—that's more than 180 trees! The online book will include the full text of every abstract presented at the meeting. This e-book will be emailed just prior to the meeting to all pre-registered attendees.

Late-Breaker Abstracts

Late-Breaker Abstracts are specifically designed for presentations of new data obtained after the closing date for regular abstract submissions. Late-Breaker Abstract presentations include: Late-Breakers in Basic Science/Molecular Biology; Late-Breakers in Clinical Tropical Medicine and Global Health; and Late-Breakers in Malaria.

Online Registration

Online Registration Open Through Annual Meeting! If you are unable to register in advance of the meeting, plenty of opportunity remains. ASTMH will continue to accept online registrations through the Annual Meeting, which ends Thursday, November 9. This means you can register after you arrive in Baltimore, during your travels or onsite, with no waiting in line at the registration area. Simply register online and pick up your badge from the Badge Pickup area.

Payment by credit card is required for online registration. You will receive a confirmation notice by email after your registration is processed.

REDUCED REGISTRATION FEE OPPORTUNITIES

See the online registration form for fee details.

Student/Trainee Reduced Registration Fee

Pre-doctoral students, post-doctoral students, fellows, residents and undergraduates qualify for the special student/trainee registration fee. You must submit a Certificate of Student Status form with your registration or a letter from a dean or program director verifying you are a student in good standing.

Spouse/Partner/Guest Reduced Registration Fee

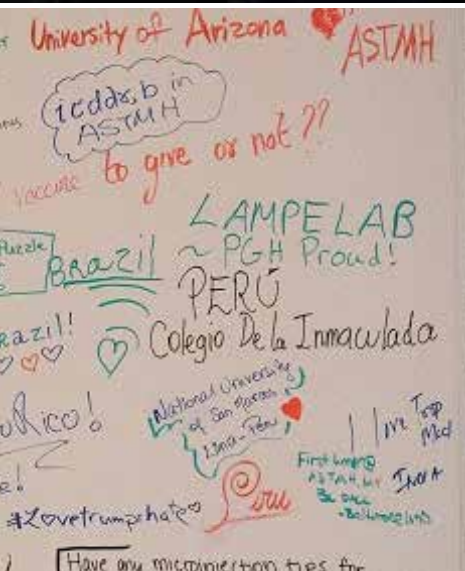
The spouse/partner/guest registration includes the opening reception and admission to the exhibit hall, plenary sessions and poster sessions. Note that the spouse/partner/guest registration is applicable only to attendees from outside of the field of tropical medicine, hygiene and global health.

Emeritus Member Reduced Registration Fee

To facilitate attendance by emeritus members, ASTMH offers a reduced emeritus member registration fee.

Please note:

We guarantee that registration materials will be available for all pre-registered attendees. Print Program Books will be available for pre-registered attendees who check the option for a printed version during the registration process.



Register online before the Annual Meeting:

1. Go to astmh.org and click the blue Annual Meeting box on the right side of the screen.
2. Click **Register Now** in the middle of the screen. Click the online registration link and log in.
3. **ASTMH MEMBERS:** Anyone completing the registration process on your behalf must have your login and password to receive the discounted member rate.
4. **NON-MEMBERS:** If you are a first-time attendee, you must create a Non-Member profile to proceed with online registration. If you are a returning attendee and do not remember your login and/or password, use the Forgot Login/Password links.
5. Follow prompts to register for the meeting.

Do not click the SUBMIT button more than once. This action will result in multiple charges on your credit card.

Registration By Check

Mailed registrations must be in U.S. funds drawn on a U.S. bank and made payable to the American Society of Tropical Medicine and Hygiene. Registrations will only be processed with full payment. Send your registration using only one method of payment. Faxed registration forms that do not contain credit card information do not qualify as an early paid registration.

Pre-registrations received online, by fax or by postal mail will be confirmed by email. Registration processing time is approximately two weeks. We cannot confirm your registration until it is fully processed. Confirmation will be sent via email.

Americans With Disabilities Act

ASTMH complies with the legal requirements of the ADA and the rules and regulations thereof. Notify us of any special needs using the online registration form or the registration form in this brochure.

Cancellations

Cancellations must be submitted in writing before September 29, 2017 to receive a refund minus a \$100 USD administrative fee. Refunds will not be granted after this date and will not be given for now-shows. Submit cancellation requests to Brenda Howe at bhowe@astmh.org.

Membership Status

Membership status for each registrant will be verified. Registrations paid at the member rate without a valid current membership in ASTMH will automatically be charged the non-member registration fee.

Substitution Policy

Substitutions are allowed at any time. A substitution form must be completed and submitted to Brenda Howe at bhowe@astmh.org. **Note:** If the registration rates are different based on membership status, payment must be provided for any balance remaining on the registration.

“Posters are the bread and butter of TropMed and it’s where you see everyone.”

~2016 Attendee

Registration Desk

Pick up name badges and program materials at the ASTMH registration desk, located on Level 300 of the Baltimore Convention Center.

Pre-Meeting Course Registration

Saturday, November 4 10 a.m. – 2 p.m.

Annual Meeting Registration

Sunday, November 5	7 a.m. – 7:30 p.m.
Monday, November 6	7 a.m. – 5 p.m.
Tuesday, November 7	7 a.m. – 5 p.m.
Wednesday, November 8	7 a.m. – 5 p.m.
Thursday, November 9	7 a.m. – 10:30 a.m.

Continuing Education Credit

Continuing Medical Education Accreditation

ASTMH is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. ASTMH designates this live educational activity for a maximum of 32.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Medical Education Credit — \$150 application fee

Use the online registration form to register and pay for CME credit.

Physician Assistant Continuing Education Credit — \$150 application fee

AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 32.25 *AMA PRA Category 1 Credits™* for completing this program. Use the Annual Meeting registration form to register and pay for CME credit.

Veterinarian Continuing Education Credit — \$150 application fee

To better serve the continuing education needs of the full range of disciplines participating in the Annual Meeting, ASTMH offers accredited CE sessions for veterinarians. The Society’s application is reviewed by the determining body, the American Association of Veterinary State Boards RACE Committee. Anticipating approval, ASTMH is typically notified just prior to the start of the Annual Meeting. Register for this CE onsite or check off the veterinary CE box when registering.

Disclosure of Faculty’s Commercial Relationships

Consistent with ASTMH policy, faculty are required to disclose any economic or other personal interests that create, or may be perceived as creating, a conflict of interest related to the material discussed. ASTMH resolves all conflicts of interest. Faculty are required to disclose at the beginning of their presentation(s) any relevant financial relationships, as well as any product mentioned during the presentation that is not labeled for the use under discussion or is still investigational. This policy is intended to allow attendees to form their own judgments about such material.

Schedule-at-a-Glance*

*Subject to change

Saturday, November 4

10 a.m. – 2 p.m.	Pre-Meeting Course Registration
Noon – 6 p.m.	ASTMH Council Meeting
1 p.m. – 5 p.m.	Clinical Pre-Meeting Course: Migrant Health: Addressing Health Disparities – A Guide for the Practitioner (One and one-half days)

Sunday, November 5

7 a.m. – 7:30 p.m.	Registration
7 a.m. – 3:15 p.m.	Arbovirology Pre-Meeting Course: Clinical Presentation and Management of Arboviral Diseases: Lessons from the Bedside for Researchers at the Bench or in the Bush
7 a.m. – 3:45 p.m.	Clinical Pre-Meeting Course: Migrant Health: Addressing Health Disparities – A Guide for the Practitioner (Second Day)
7 a.m. – 4 p.m.	Parasitology Pre-Meeting Course: Single Cell Biology for Parasitologists
8 a.m. – 3:30 p.m.	Global Health Pre-Meeting Course: The Economics of Health and Disease: Making the Case for Global Health Spending
10 a.m. – 3 p.m.	Young Investigator Award Competition <i>Sponsored by: The Petri Family, TECHLAB Inc. and PLOS</i>
11 a.m. – Noon	American Committee on Arthropod-Borne Viruses (ACAV) SIE Subcommittee Meeting
Noon – 2 p.m.	ACAV SIRACA Subcommittee Meeting
Noon – 2:30 p.m.	Elsevier Clinical Research Award Competition
Noon – 4 p.m.	Advocacy Workshop
2 p.m. – 3:30 p.m.	ACAV SALS Subcommittee Meeting
2:30 p.m. – 3:30 p.m.	Point of Entry: First-Time Attendee Orientation
3:30 p.m. – 5:30 p.m.	American Committee of Medical Entomology (ACME-Medical Entomology) Council Meeting
	American Committee on Arthropod-Borne Viruses (ACAV-Virology) Council Meeting
	American Committee on Clinical Tropical Medicine and Travelers' Health (ACCTMTH — Clinical Group) Council Meeting
	ASTMH Committee on Global Health (ACGH-Global Health) Council Meeting
	American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP-Parasitology) Council Meeting
4 p.m. – 5 p.m.	Student Reception

5:30 p.m. – 7 p.m.	Official Opening of the Annual Meeting Keynote Address and Awards Program Keynote Address: Paul Farmer, MD <i>Co-Founder and Chief Strategist, Partners In Health</i>
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7 p.m. – 9:30 p.m.	Welcome Reception and Exhibit Hall Opening <i>Sponsored in part by: Bayer</i>
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Monday, November 6

7 a.m. – 5 p.m.	Registration
8 a.m. – 9:45 a.m.	Scientific Sessions/Symposia
9:30 a.m. – 10:30 a.m.	Exhibits
9:45 a.m. – 10:15 a.m.	Coffee Break
10:15 a.m. – Noon	Scientific Sessions/Symposia
Noon – 1:45 p.m.	Poster Session A and Exhibits
12:15 p.m. – 1:30 p.m.	Meet the Professors and Midday Sessions
1:45 p.m. – 3:30 p.m.	Scientific Sessions/Symposia
3:15 p.m. – 4:15 p.m.	Exhibits
3:30 p.m. – 4 p.m.	Coffee Break
4 p.m. – 5:45 p.m.	Scientific Sessions/Symposia
6:15 p.m. – 7 p.m.	Plenary Session: Fred L. Soper Lecture
7:15 p.m. – 9 p.m.	Sponsored Symposia

Tuesday, November 7

7 a.m. – 5 p.m.	Registration
8 a.m. – 9:45 a.m.	Scientific Sessions/Symposia
9:30 a.m. – 10:30 a.m.	Exhibits
9:45 a.m. – 10:15 a.m.	Coffee Break
10:15 a.m. – Noon	Scientific Sessions/Symposia
Noon – 1:45 p.m.	Poster Session B and Exhibits
12:15 p.m. – 1:30 p.m.	Meet the Professors and Midday Sessions
1:45 p.m. – 3:30 p.m.	Scientific Sessions/Symposia
3:15 p.m. – 4:15 p.m.	Exhibits
3:30 p.m. – 4 p.m.	Coffee Break
4 p.m. – 5:45 p.m.	Scientific Sessions/Symposia
6:15 p.m. – 7 p.m.	Plenary Session: Commemorative Fund Lecture Jane Cardosa <i>Sentinel Therapeutics, Malaysia</i>
7:15 p.m. – 9 p.m.	Symposium

Wednesday, November 8

7 a.m. – 5 p.m.	Registration
8 a.m. – 9:45 a.m.	Scientific Sessions/Symposia
9:30 a.m. – 10:30 a.m.	Exhibits
9:45 a.m. – 10:15 a.m.	Coffee Break
10:15 a.m. – Noon	Scientific Sessions/Symposia
Noon – 1:45 p.m.	Poster Session C
Noon – 2:30 p.m.	Exhibits
12:15 p.m. – 1:30 p.m.	Meet the Professors and Midday Sessions
1:45 p.m. – 3:30 p.m.	Scientific Sessions/Symposia
4 p.m. – 5:45 p.m.	Scientific Sessions/Symposia
6:15 p.m. – 7:45 p.m.	Plenary Session and Annual Business Meeting: ASTMH President's Address Patricia F. Walker, MD, DTM&H, FASTMH <i>University of Minnesota and HealthPartners Travel and Tropical Medicine Center</i>

Thursday, November 9

7 a.m. – 10:30 a.m.	Registration
7:30 a.m. – 9:30 a.m.	ASTMH Council Meeting
8 a.m. – 10:15 a.m.	Scientific Sessions/Symposia
10:15 a.m. – 11 a.m.	Plenary Session Anthony S. Fauci <i>Director, National Institute of Allergy and Infectious Diseases</i>
11:15 a.m. – 1 p.m.	Scientific Sessions/Symposia
1 p.m.	Annual Meeting Adjourns





“This is the premier Annual Meeting on the planet for malaria science, and the inclusion of all tropical diseases makes it a valuable smorgasbord of learning for anyone interested in tropical medicine.”

~ 2016 Attendee

Travel Information

Baltimore, MD, USA

Baltimore — the colorful, diverse city that is Maryland's largest city and economic hub, is known for its beautiful harbor; quirky, distinct neighborhoods; unique museums; and the world-renowned Johns Hopkins Hospital to the east and the University of Maryland Medical Center to the west.

Attendees Traveling from Overseas — Obtaining a Temporary Travel Visa

Visit unitedstatesvisas.gov for step-by-step instructions on the process for obtaining a temporary visa.

Invitation Letters — Available Online

You **MUST** be registered for the Annual Meeting in order to generate an invitation letter. Invitation letters are only for those traveling from outside the United States. Questions? Contact Brenda Howe, Registration Manager, at bhowe@astmh.org.

Airline Travel — Delta Airlines Discount*

Delta Airlines is offering special discounted* airfares for the Annual Meeting for travel originating in the United States or Canada. Discounts vary up to 10% off the fare for domestic travel, depending on the class of ticket purchased.

**Please note the following:*

- Not all airfares are eligible for a discount; fare rules determine eligibility
- Discounts vary, depending on the class of ticket purchased, and apply to round-trip travel only, and only for flights originating in the United States or Canada
- Not valid with other discounts, certificates, coupons or promotional offers
- To take advantage of these travel discounts for flights to and from Baltimore:
- Go to www.Delta.com and click on «Book a Trip.» Click on the Advanced Search link. Enter your departure and arrival information and enter the code NMPN3 in the Meeting Event Code box. You may also call Delta Meeting Network® Reservations at +1-800-328-1111. Use this same phone number to make changes to an existing Delta Meetings Network® reservation. On the Search Results page, verify the discount is applied. As a reminder, not all fares are eligible.

Baltimore/Washington International Thurgood Marshall Airport (BWI)

Three major airports serve Baltimore: **Baltimore/Washington International Thurgood Marshall Airport** in Maryland, as well as Washington Dulles International Airport (IAD) and Ronald Reagan Washington National Airport (DCA). Just 15 minutes from downtown Baltimore, BWI Thurgood Marshall features easy access to the Light Rail as well as the BWI Amtrak Station. Use SuperShuttle for transportation between the airports and downtown Baltimore. Call 1-800-258-3826 or go to www.supershuttle.com to reserve your ride. From Baltimore/Washington International Airport, a shared-ride Supper Shuttle van is approximately \$22 per person; a non-stop van is approximately \$47 per person.



Attire, Climate and Time Zone

The daytime temperature in Baltimore in November can range from 49 degrees Fahrenheit to 64 degrees Fahrenheit (9 degrees Celsius to 17 degrees Celsius). Because of varying temperatures in hotel meeting rooms, we recommend that you dress in layers or bring a sweater or other warm clothing to wear during the meeting sessions. Baltimore is located in the Eastern time zone of the United States (UTC/GMT- 5 hours).

Warning: Housing Scam Alert!

Unauthorized third parties are contacting previous Annual Meeting attendees and offering discounted hotel rooms for the ASTMH 2017 Annual Meeting. These solicitations ask for credit card information and have resulted in fraudulent charges. Hang up on them.



We also have a report of a woman calling and claiming to represent one of the Baltimore hotels. "Julie Henry" offered to sell rooms and left the following number: (800) 348-5816 ext 103. None of our hotels will call and solicit your business. Hang up on people like this.

If you are approached by anyone offering a special hotel rate or hotel room for the ASTMH Meeting, please contact info@astmh.org.

Hotel Information

Annual Meeting sessions and events will be held at the Baltimore Convention Center, with some events held at the Hilton Baltimore.

A block of guest rooms is available at the Hilton Baltimore, Baltimore Marriott and Sheraton Inner Harbor. The Hilton Baltimore serves as the headquarters hotel for the Annual Meeting. Both the Marriott and the Sheraton are a very close proximity to the Hilton Baltimore.

Hilton Baltimore

401 W. Pratt Street
Baltimore, MD 21201 USA
Phone +1-443-573-8700
Fax +1-443-683-8841

ASTMH has negotiated a discounted rate of \$238/night, plus applicable taxes, at the Hilton Baltimore. Call the hotel and identify yourself as an ASTMH meeting attendee to obtain the special rate. Discounted rooms are sold on a first-come, first-served basis and apply only to reservations received before October 5, 2017, provided rooms are still available in the room block. Please make your reservations early!

Valet parking: \$43 USD (per night)

Self-parking: \$30 USD (per night)



Baltimore Marriott Inner Harbor at Camden Yards

110 S. Eutaw Street
Baltimore, MD 21201 USA
Phone +1-410-962-0202
Fax +1-410-625-7892
Toll-Free Reservations +1-800-228-9290
Click [here](#) to make your reservations online.

ASTMH has negotiated a discounted rate of \$236/night, plus applicable taxes, at the Baltimore Marriott Inner Harbor. Call the hotel and identify yourself as an ASTMH meeting attendee to obtain the special rate. Discounted rooms are sold on a first-come, first-served basis and apply only to reservations received before October 5, 2017, provided rooms are still available in the room block. Please make your reservations early!

On-site parking: \$29 USD daily

Sheraton Inner Harbor

300 S. Charles Street
Baltimore, MD 21201 USA
Phone +1-410-347-1849
Fax +1-410-347-1853
Click [here](#) to make your reservations online

ASTMH has negotiated a discounted rate of \$234/night, plus applicable taxes, at the Sheraton Inner Harbor. Call the hotel and identify yourself as an ASTMH meeting attendee to obtain the special rate. Discounted rooms are sold on a first-come, first-served basis and apply only to reservations received before October 2, 2017, provided rooms are still available in the room block. Please make your reservations early!

Valet parking: \$23.75 - \$35 USD per day

Local Public Transit

Amtrak

Amtrak operates out of Baltimore's Penn Station, which is located 1.5 miles from downtown Baltimore. Penn Station is served by Baltimore's MTA (Maryland Transit Administration) Light Rail and bus systems. [Click here](#) to visit the MTA web site and plot your transit plan.

Light Rail

The Light Rail service is provided by the Maryland Transit Administration (MTA) to and from Baltimore/Washington International Airport. [Click here](#) to visit the airport web site with information on Light Rail service to downtown Baltimore.



Roommate Service

For assistance in finding a roommate, contact Brenda Howe at +1-847-686-2389, or email bhowe@astmh.org.

Child Care

Please note that ASTMH does not provide childcare service for attendees. Contact the Hilton Baltimore at +1-443-573-8700 to inquire about childcare service providers in the Baltimore area.

Request for Meeting Space

Is your organization interested in holding a meeting during the ASTMH conference? Submit a meeting space request form, located on the Annual Meeting section of the ASTMH website at astmh.org.

Unauthorized Photography

Still and video photography of educational sessions is strictly prohibited. Attendees using cameras in educational sessions without permission will be asked to leave the conference and will not be issued a refund.

Exhibit and Sponsorship Information

For exhibit and sponsorship information, contact Madhuri Carson, Manager, Partnership Opportunities, at ASTMH, One Parkview Plaza, Suite 800, Oakbrook Terrace, IL 60181 USA; +1-847-686-2362; fax +1-847-686-2253; email mcarson@astmh.org.

Available Late September: Online Session Schedule

Beginning in late September, search the Annual Meeting Online Program Planner at astmh.org. Access information and build an itinerary of sessions you plan to attend. All plenary sessions, scientific sessions, poster sessions, symposia and abstracts will be available for viewing. You can transfer your itinerary to the meeting app when it becomes available in October.

The print Program Book distributed onsite is also available electronically and emailed just prior to the meeting to all pre-registered attendees. Please note that pre-registered attendees who check the print Program Book option during the registration process will receive a print Program Book on site that contains the complete schedule and session information with speakers, presentation titles, abstract titles and authors.

Meeting App

Approximately one month prior to the Annual Meeting, registered attendees can download the meeting app for easy access to all ASTMH program information. Use the app to view the meeting schedule, session and presenter information, full abstracts, exhibitors, maps and the Twitter feed.

Important Dates to Remember!

Early-Bird Discount Registration Deadline:

September 22

Hotel Room Discount on Available Rooms:

October 5 - Hilton and Marriott; October 2 - Sheraton

Registration Cancellation Deadline:

September 29

Pre-Registration Discount Registration Deadline:

October 20

Register Onsite:

October 21 – November 9

Mark your calendars!

ASTMH 67th Annual Meeting

October 28 - November 1, 2018

Sheraton New Orleans and New Orleans Marriott
New Orleans, LA USA

ASTMH 68th Annual Meeting

November 20-24, 2019

Gaylord National Resort and Convention Center
National Harbor, MD USA (adjacent to Washington, DC)



Questions:

CONTACT:

**American Society of Tropical Medicine
and Hygiene**

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