

ASTMH



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

Pre-Meeting Courses & Schedule-at-a-Glance

November 13–17, 2016

Atlanta Marriott Marquis

Atlanta, Georgia USA

65th Annual Meeting



astmh.org | ajtmh.org | #TropMed16





**Registration will
open June 15.**



The ASTMH meeting is an excellent platform for updates in the field of tropical medicine worldwide, from cell biology to policies.

~ 2015 Attendee

- **Four unique pre-meeting courses will be offered on Saturday, November 12 and Sunday, November 13.**
 - Clinical Ultrasound in Resource Limited Settings — From Basic to Advanced
 - Chemical Biology: A New Tool for Parasite Biology and Drug Development
 - The Science of Disease Elimination
 - Know Thine Enemy: Methods to Identify Mosquitoes and the Viruses They Carry
- **The Annual Meeting will be held Sunday, November 13 through Thursday, November 17, 2016 at the Atlanta Marriott Marquis and Hilton, Atlanta, Georgia USA.**

Pre-Meeting Courses

CLINICAL PRE-MEETING COURSE

November 12, 12:30 p.m. – 5 p.m. | November 13, 7 a.m. – 5 p.m.*

Clinical Ultrasound in Resource Limited Settings — From Basic to Advanced

This intensive two day workshop will combine hands-on ultrasound training with expert discussion of most of the common illnesses found in resource limited settings that are amenable to evaluation by point-of-care ultrasound. The course is aimed at all skill levels from those who have never touched an ultrasound to those who use it in their day-to-day practice. Participants will be provided with 3 separate hands-on scanning blocks throughout the two day course. Hands-on sessions will include evaluation of the liver, spleen, aorta, heart, lungs, lower extremity veins and eyes. There will also be a hands-on ultrasound guided procedures workshop. Scanning sessions progress from basic to advanced, with lectures, panel discussions and case presentations covering the ultrasonographic characteristics of the common diseases seen in resource limited settings. These include, but are not limited to: extra-pulmonary tuberculosis, HIV/AIDS, echinococcus, schistosomiasis, filariasis, rheumatic valvular heart disease, cardiomyopathy and lung infections. All faculty have ultrasound expertise and significant experience in point-of-care ultrasound in resource limited settings. Hands-on faculty to participant ratio will be 1 to 5 to insure everyone gets ample opportunity to practice hands-on scanning using live models. **Maximum participation — 100 people.**

PARASITOLOGY PRE-MEETING COURSE

November 13, 7:30 a.m. – 4 p.m.*

Chemical Biology: A New Tool for Parasite Biology and Drug Development

In recent years there has been a revolution in high-throughput screening and molecular techniques that have led to the discovery of compounds with activity against parasites. These compounds drive biologic knowledge and drug development for parasites. The compounds, if their targets can be discovered, become molecular probes into biological processes of parasites and can be applied throughout lifecycles to elucidate target function. In addition, many collaborations between academic and industry groups have arisen, generating promising compounds for drug development.

This pre-meeting course will provide examples of processes that lead to the discovery of small molecules with antiparasite activity. The course will examine how targets of these compounds are identified, using chemical-genomic approaches and ligand-based approaches. The course will investigate how the molecular structure of compound targets are elucidated and how iterative co-crystallography can be used to improve the potency and



The best tropical
medicine congress
in the world.

~ 2015 Attendee

general properties of compounds. The speakers will provide examples of kinetoplastid and helminthic drug discovery programs and how industry-academic drug discovery interactions occur. The program will explore how pharmacokinetics and safety interact with drug discovery programs to enhance success. Finally, the course will explore recent examples of antiparasitic resistance and how those resistance mechanisms are characterized.

GLOBAL HEALTH PRE-MEETING COURSE

November 13, 8 a.m. – 3:30 p.m.*

The Science of Disease Elimination

Eradication of disease is the aspirational goal of global public health efforts, and yet only one infectious disease of humans — smallpox — has been eradicated to date. There are ongoing efforts to eradicate poliomyelitis, dracunculiasis, yaws and malaria, and five more infectious diseases have been identified as potentially eradicable. Diseases that are potentially eradicable share a number of critical features, including the absence of a non-human reservoir or environmental amplification, availability of diagnostics, and an efficient and effective intervention. Additional factors such as financial support to implement interventions and political commitment are crucial to mount a successful eradication campaign. In recent years, health leaders have put forward the concept of disease elimination while calling upon scientists and policy makers to determine ways to achieve this noble aspiration. Global commitments to finance disease control programs worldwide have made this concept a tangible reality. Although these commitments are unprecedented in their amounts, they may still fall short in being able to reach the desired outcome unless progress can be demonstrated. Progress inspires continued support as without continued support, elimination and ultimately eradication are not possible.

Meanwhile, breakthroughs in program management, treatment, diagnostics, informatics, mapping, modelling and analysis to eliminate or eradicate diseases are notable. The pre-meeting course will focus on highlighting elimination topics, explaining their scientific theory, describing the implementation of elimination strategies and their evaluation to assess their utility in helping to drive transmission to zero, and maintaining it there. The course will also explore what is needed to develop successful partnerships and how the science can assist in gaining support for policy and political will. The course will also present disease-specific topics that integrate the range of elimination science topics to demonstrate how the components of elimination science came together to help drive particular diseases to elimination or near-elimination as well as successes and challenges from existing disease elimination and eradication programs.

About ASTMH

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. 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 is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Join ASTMH



The ASTMH Annual Meeting is always an enriching experience for me.

~ 2015 Attendee

Pre-Meeting Courses (cont.)

ARBOVIROLOGY AND MEDICAL ENTOMOLOGY PRE-MEETING COURSE

Sunday, November 13, 7:30 a.m. – 3:45 p.m.

Know Thine Enemy: Methods to Identify Mosquitoes and the Viruses They Carry

In the wake of major outbreaks of arthropod-borne viruses in the Americas, the course organizers have joined forces and gathered expertise from the American Committee of Medical Entomology and the American Committee on Arthropod-borne viruses to speak to the challenges of identifying the culprit vector and Virus in a mosquito-borne disease epidemic. The course will review the process of vector incrimination whereby the mosquito vector and viral etiologic agent are revealed. From the vector perspective, speakers will discuss methods for knowing thine enemy via arthropod identification, vector competence studies, targeted trapping informed by an understanding of vector biology and biogeography. From the virus perspective, faculty will discuss approaches to cast a broad net in order to identify and isolate a variety of arboviruses using classical and state-of-the art culture and sequencing approaches, along with field-applicable rapid diagnostics for particular virus species of interest. During the course, participants will have the opportunity to see live mosquito specimens and receive basic training in mosquito identification. Select participants will have an additional opportunity to visit the CDC and MR4 laboratories to see how mosquito colonies are maintained and mosquitoes are manipulated for vector competence studies.

**Please note that schedules are subject to change.*

Hotel Information

The Atlanta Marriott Marquis and Hilton Atlanta will be the sites for Annual Meeting activities.

For reservations:

Atlanta Marriott Marquis

+1-404-521-0000

Mention that you are an ASTMH attendee to receive the conference rate of \$229 single or double plus all applicable taxes.

ASTMH has also reserved a limited number of rooms at the current government rate. This is a large meeting and hotel rooms go fast. We encourage you to make your hotel reservation early.

Make a Reservation



Great meeting —
really enjoyed all the
Ebola information.

~ 2015 Attendee



Schedule At-A-Glance

Saturday, November 12

- Certificate of Knowledge in Clinical Tropical Medicine and Travelers' Health Examination-CTropMed®
- Clinical Pre-Meeting Course

Sunday, November 13

- Parasitology Pre-Meeting Course
- Clinical Pre-Meeting Course
- Global Health Pre-Meeting Course
- Arbovirology and Medical Entomology Pre-Meeting Course
- Elsevier – ASTMH Clinical Research Award Presentations
- Young Investigator Award Presentations
- Opening Plenary Session
- Awards Program
- Opening Reception
- Exhibits

Monday, November 14

- Scientific Sessions
- Symposia
- Poster Session
- Meet the Professors
- Charles Franklin Craig Lecture
- Exhibits

Tuesday, November 15

- Scientific Sessions
- Symposia
- Poster Session
- Meet the Professors
- Commemorative Fund Lecture
- Exhibits

Wednesday, November 16

- Scientific Sessions
- Symposia
- Poster Session
- Meet the Professors
- President's Address and Annual Business Meeting
- Exhibits

Thursday, November 17

- Scientific Sessions
- Symposia