



ISEMPH 2016 will be held in Durham, North Carolina and brings together scientists, teachers, clinicians, and students in the evolution and medicine community to share findings and create new connections that will advance the field. This open meeting is designed to bridge the many different disciplines where relevant research takes place, including infectious disease, public health, genetics, anthropology, psychology, oncology, ecology, and veterinary medicine.

Plenary speakers



Andrea Graham
Princeton University



Carl Zimmer
New York Times



Helen Ball
Durham University, UK



Joshua Schiffman
University of Utah



Marion Koopmans
Erasmus University,
Rotterdam



Martin Blaser
New York University

Meeting Outline

Wednesday

- EvMed Director's Meeting
- EvMed Student's Meeting

Thursday

Plenary Speaker: Helen Ball *Changing UK guidance and practice around maternal-infant sleep—did an evolutionary perspective help?*

Plenary Speaker: Martin Blaser *Human Evolution 201: Our early life microbial metagenome guides developmental phenotypes*

Sessions

- Sleep
- Selection, stress and homeostasis
- Behavior and vulnerability
- Somatic cell mutation, selection and evolution in health and disease
- Microbiome and evolutionary medicine
- Immune response
- Reproductive ecology and human health

Friday

Plenary Speaker: Carl Zimmer

Evolutionary Medicine and the Media: Engaging Stories and Tricky Concepts

Plenary Speaker: Joshua Schiffman

Comparative Oncology and the Search for Better Cancer Therapeutics

Sessions

- Genetics, vulnerability and selection
- Lessons from our primate cousins: Evolutionary medicine in nonhuman primate studies
- General evolution and medicine
- Human evolution, adaptation and disease in Africa
- Cancer
- Paleopathology as part of evolutionary medicine
- Translating evolutionary medicine to the clinic--practical lessons for patient care
- Life history

Saturday

Plenary Speaker: Andrea Graham

Why do immune systems harm their bearers? The evolutionary biology of "friendly fire"

Plenary Speaker: Marion Koopmans

Smart genes: evolution as a driver for emerging infectious diseases

Sessions

- Evolutionary medicine: A comparative cross species perspective
- Metabolism and mismatch
- Early nutrition
- Human Evolution
- Omenn Prize Award Winner
- Williams Prize Award Winner
- Frontiers of evolutionary medicine
- Pathogen evolution

Sunday Excursions

- Duke Lemur Center
- Museum of Natural Sciences