

Annual Microbiology Program Retreat

Friday, September 19th, 2025

New Haven Lawn Club, 193 Whitney Ave, New Haven, CT

- 8:00 AM Light breakfast/Check-In
- Check-in anytime between 8:00 – 9:00 am
 - Please have your Yale ID available for check-in process
 - A light breakfast will be available from 8:00 – 9:00 am
- 9:00 AM Introductory Remarks
- **Andrew Goodman, PhD**
C. N. H. Long Professor and Chair of Department of Microbial Pathogenesis and Director of Yale Microbial Sciences Institute
 - **Ya-Chi Ho, MD, PhD**
Director of Graduate Students, Microbiology Program

Session I. Chair: Nicole Feriancek

- Faculty presentations: 15 min + 5 min Q&A
- Trainee presentations: 10 min + 5 min Q&A

- 9:20 AM **Jason Crawford, PhD**
Professor of Chemistry and of Microbial Pathogenesis
- *“Metabolism at the Human-Microbe Interface”*
- 9:42 AM **Eduardo Groisman, PhD**
Waldemar Von Zedtwitz Professor of Microbial Pathogenesis
- *“Protein homeostasis during Salmonella infections”*
- 10:05 AM **Huaxin Yu, PhD**
Postdoctoral Associate, Liu Lab
- *“How bacteriophage P22 infects Salmonella”*
- 10:22 AM **Tingting Wang, PhD**
Postdoctoral Associate, Galan Lab
- *“Oligomeric Assembly of the Gatekeeper InvE Orchestrates Hierarchical Type III Protein Secretion in Salmonella Typhimurium”*
- 10:40 AM Coffee Break

Session II. Chair: Afeez Sodeinde

- 10:50 AM **Kaitlin Schaefer, PhD**
Assistant Professor of Microbial Pathogenesis
- *“Illuminating the chemistry at the host: microbe interface in health and disease”*
- 11:12 AM **Ya-Chi Ho, MD, PhD**
Associate Professor Term; Director of Graduate Studies, Microbiology PhD Program
- *“How does HIV hide in the gut”*
- 11:34 AM **Wangbiao (Seven) Guo, PhD**
Postdoctoral Associate, Liu Lab
- *“In-situ cryo-EM structures reveal mechanisms of sheathed flagellar assembly, rotation, and disassembly in Vibrio cholerae”*
- 11:55 AM Lunch Buffet (11:55 AM – 12:55 PM)

Poster Sessions

- 1:00 PM Poster Presentations I (Odd Poster Presenters) (1:00 – 1:45 pm)
- 1:50 PM Poster Presentations II (Even Poster Presenters) (1:50 – 2:35 pm)

****Submit your poster votes by 2:40 PM***

Session III. Chair: Nicole Feriancek

- 2:40 PM **Diana Valverde Mendez, PhD**
Postdoctoral Associate, Yan Lab
- *“Novel lineage tracing in 3D biofilms to study single-cell heterogeneity”*
- 2:57 PM **Mara Kushelman**
4th Year Microbiology Graduate Student, Fikrig Lab
- *“Anti-gut serum modulates A. aegypti mosquito survival”*

Session IV. Chair: Afeez Sodeinde

- 3:14 PM **Nora Nelson**
4th Year Microbiology Graduate Student, Goodman Lab
- *“Dissecting the Chemical Signals that Determine Dietary Xenobiotic Metabolism in the Gut Microbiome”*
- 3:31 PM **RuthMabel Boytz**
4th Year Microbiology Graduate Student, Laurent-Rolle Lab
- *“Alphaviruses and Mitochondria: Unraveling the intersection of Viral Replication and Innate Immunity”*
- 3:48 PM **Ellen F. Foxman, MD, PhD**
Associate Professor of Laboratory Medicine and Immunology
- *“Leveraging organoids to reveal mechanisms of viral pathogenesis”*

Team building Session Chairs: Afeez Sodeinde & Nicole Feriancek

- 4:10 PM Pictionary – Afeez Sodeinde
- 4:40 PM Announcement of poster award winners – Afeez Sodeinde
- 4:45 PM Closing Remarks – Hualiang Pi
- 4:55 PM Evening Reception