

# Annual Microbiology Program Retreat

**Friday, September 19<sup>th</sup>, 2025**

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

8:00 AM	Light breakfast/Check-In <ul style="list-style-type: none"><li>- Check-in anytime between 8:00 – 9:00 am</li><li>- Please have your Yale ID available for check-in process</li><li>- A light breakfast will be available from 8:00 – 9:00 am</li></ul>
9:00 AM	Introductory Remarks <ul style="list-style-type: none"><li>- <b>Andrew Goodman, PhD</b> C. N. H. Long Professor and Chair of Department of Microbial Pathogenesis and Director of Yale Microbial Sciences Institute</li><li>- <b>Ya-Chi Ho, MD, PhD</b> Director of Graduate Students, Microbiology Program</li></ul>
<p style="text-align: center;"><b><u>Session I. Chair: Nicole Feriancek</u></b></p> <ul style="list-style-type: none"><li>- Faculty presentations: 15 min + 5 min Q&amp;A</li><li>- Trainee presentations: 10 min + 5 min Q&amp;A</li></ul>	
9:20 AM	<b>Jason Crawford, PhD</b> Professor of Chemistry and of Microbial Pathogenesis <ul style="list-style-type: none"><li>- <i>"Metabolism at the Human-Microbe Interface"</i></li></ul>
9:42 AM	<b>Eduardo Groisman, PhD</b> Waldemar Von Zedtwitz Professor of Microbial Pathogenesis <ul style="list-style-type: none"><li>- <i>"Protein homeostasis during Salmonella infections"</i></li></ul>
10:05 AM	<b>Huixin Yu, PhD</b> Postdoctoral Associate, Liu Lab <ul style="list-style-type: none"><li>- <i>"How bacteriophage P22 infects Salmonella"</i></li></ul>
10:22 AM	<b>Tingting Wang, PhD</b> Postdoctoral Associate, Galan Lab <ul style="list-style-type: none"><li>- <i>"Oligomeric Assembly of the Gatekeeper InvE Orchestrates Hierarchical Type III Protein Secretion in Salmonella Typhimurium"</i></li></ul>
10:40 AM	Coffee Break
<p style="text-align: center;"><b><u>Session II. Chair: Afeez Sodeinde</u></b></p>	
10:50 AM	<b>Kaitlin Schaefer, PhD</b> Assistant Professor of Microbial Pathogenesis <ul style="list-style-type: none"><li>- <i>"Illuminating the chemistry at the host: microbe interface in health and disease"</i></li></ul>
11:12 AM	<b>Ya-Chi Ho, MD, PhD</b> Associate Professor Term; Director of Graduate Studies, Microbiology PhD Program <ul style="list-style-type: none"><li>- <i>"How does HIV hide in the gut"</i></li></ul>
11:34 AM	<b>Wangbiao (Seven) Guo, PhD</b> Postdoctoral Associate, Liu Lab <ul style="list-style-type: none"><li>- <i>"In-situ cryo-EM structures reveal mechanisms of sheathed flagellar assembly, rotation, and disassembly in Vibrio cholerae"</i></li></ul>
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**  
4<sup>th</sup> Year Microbiology Graduate Student, Fikrig Lab  
-     *“Anti-gut serum modulates A. aegypti mosquito survival”*

### **Session IV. Chair: Afeez Sodeinde**

3:14 PM      **Nora Nelson**  
4<sup>th</sup> Year Microbiology Graduate Student, Goodman Lab  
-     *“Dissecting the Chemical Signals that Determine Dietary Xenobiotic Metabolism in the Gut Microbiome”*

3:31 PM      **RuthMabel Boytz**  
4<sup>th</sup> 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