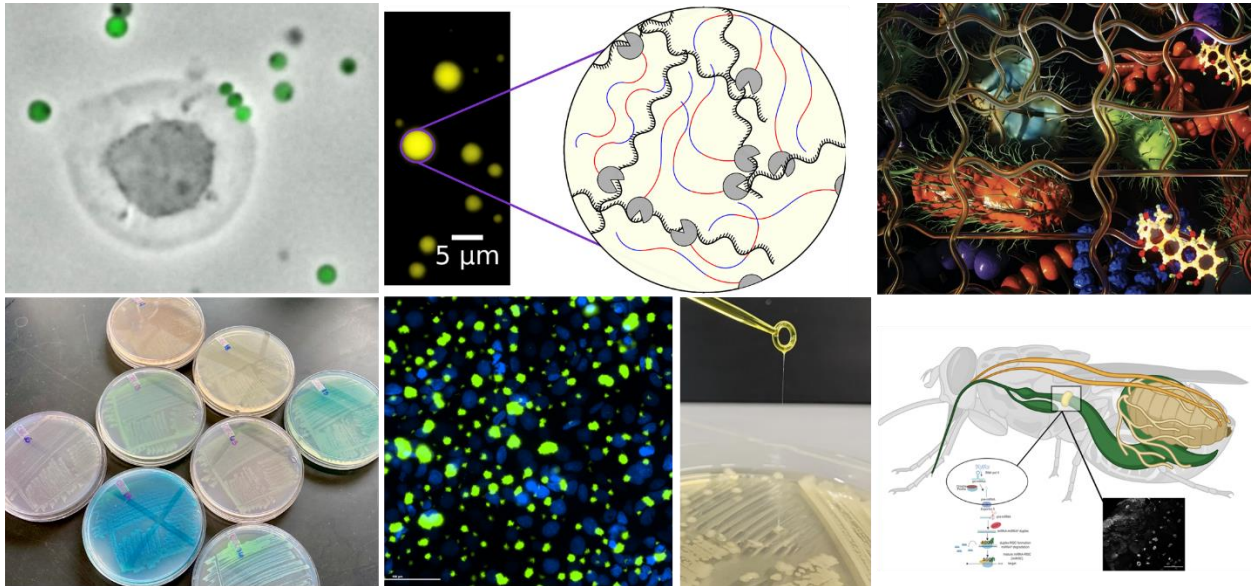


# PBM 2021

**Pittsburgh Bacterial Meeting  
Saturday, March 6, 2021  
Duquesne University**



## MEETING PROGRAM

<https://duq.zoom.us/j/99140302096?pwd=SnMrL1U1cDJObG9UV2ZoeW16WFpXQT09>

**Zoom Meeting ID: 991 4030 2096**

**Passcode: 941079**

Cover Photos Courtesy of: Luke D’Cunha, Dylan Tomares, Huda Usman, Catherine Blackwood, Allison Welp, James Budnick, and Mason Lee

**Pittsburgh Bacterial Meeting 2021**  
**Saturday, March 6, 2021**

8:55 a.m. WELCOME AND INTRODUCTORY REMARKS – **Wook Kim** (Duquesne University)

**Sessions I & II Talks (20 minute presentations, ~8 minute Q & A)**

**Session I Moderator – Jennifer Bennett** (Otterbein University)

9:00 – 9:30 **Kelly Weaver** (Barbier Lab, West Virginia University) “Characterizing acellular and whole cell vaccine-induced memory responses to *Bordetella pertussis* in a murine model”

9:30 – 10:00 **Megan DeJong** – (Damron Lab, West Virginia University) “Understanding the interaction of two different vaccine routes: A new approach to *B. pertussis* vaccines”

10:00 – 10:30 **Luke D’Cunha** – (Horzempa Lab, West Liberty University) “Insight into *Francisella tularensis*-erythrocyte interactions”

10:30 – 11:00 **Jennifer Grousd** – (Alcorn Lab, University of Pittsburgh) “Role of Methicillin-resistant *Staphylococcus aureus* Cell Wall-Anchored Proteins in Bacterial Pneumonia and Influenza Super-infection”

11:00 – 11:30 **Mason Lee** – (Rio Lab, West Virginia University) “Tsetse Fly Microbial Homeostasis: Do MicroRNAs have Big Impacts?”

11:30 – 12:00 **Dylan Tomares** – (Childers Lab, University of Pittsburgh) “Understanding the implications of phase separation of a bacterial ribonuclease”

12:00 – 1:00 **BREAK**

**Session II Moderator – Christopher Maltman** (Slippery Rock University)

1:00 – 1:30 **Christian Gauthier** – (Hatfull Lab, University of Pittsburgh) “A new pham assembly pipeline for phage metagenomics”

1:30 – 2:00 **Huda Usman** – (Niepa Lab, University of Pittsburgh) “Design of a well-defined poly(dimethylsiloxane)-based microbial nanoculture system”

2:00 – 2:30 **James Budnick** – (Bina Lab, University of Pittsburgh) “Utilizing *in vitro* evolution to identify novel mechanisms of intrinsic antimicrobial resistance in *Klebsiella pneumoniae*”

2:30 – 3:00 **Collin Kessler** – (Kim Lab, Duquesne University) “Functional divergence of the Wsp signal transduction system in *Pseudomonas* and *Burkholderia*”

3:00 – 3:30 **Allison Welp** – (Bomberger Lab, University of Pittsburgh) “Viral Co-Infection Induces Type VI Secretion in *Pseudomonas aeruginosa*”

3:30 – 4:00 **Catherine Blackwood** (Barbier Lab, West Virginia University) “*Bordetella pertussis* whole cell immunization protects against acute *Pseudomonas aeruginosa* murine pneumonia”

4:00 p.m. CONCLUDING REMARKS