**Morning Session**

*BIO5 Institute, Room 103*

**7:30 - 8:25 AM** **Registration**

**8:30 - 8:40 AM Welcome Announcements**

Dr. Michael Abecassis, MD, MBA

Iovanna C. Lopez Dean, University of Arizona College of Medicine-Tucson

 Dr. Jennifer Barton, PhD

 Director, BIO5 Institute

 Dr. Janko Nikolich

 Bowman Professor and Chair, Immunobiology Department

 Dr. Prabhu Arunachalam

 Assistant Professor, Immunobiology Department

**Session I: Immunology**

*Moderators: Jennifer Uhrlaub and Colin Fields*

**8:40 – 9:30 AM** **Plenary Lecture*, June Round, PhD***

“Microbiota-Immune Interactions that Promote Health”

**9:35 – 9:50 AM** *Lucas D’Souza, PhD*

“Agenome-wide CRISPR screen reveals novel determinants of long-lived plasma cell secretory capacity”

**9:55** **- 10:10 AM** *Helena Batatinha, PhD*

“Exercise-Generated Cytokine-Induced Memory-Like NK Cells: A Novel Strategy for Boosting Immunotherapy Against Myeloid Leukemia”

**10:15 - 10:40AM** *Henrique Borges da Silva, PhD*

“The eATP Receptor P2RX7 Promotes Optimal Progenitor Exhausted CD8+ T Cell Responses To Anti-PD1 Blockade”

**10:45 – 11:15 AM****BREAK**, *coffee available in Lobby*

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**11:15 - 11:30 AM** *Keila Espinoza, MS*

“Loss of Acid Ceramidase in Myeloid Cells Restores Sphingolipid Composition to Alleviate Chronic Colitis in IL10-Deficent Mice”

**Session II: Virology**

*Moderators: Emily Ann Vaslow and Rebekah Mokry*

**11:30 AM - 12:20** **PM** **Plenary Lecture**, ***Matthew Daugherty, PhD***

“Running with Scissors: Molecular and Evolutionary Arms Races Between Viral Proteases and Host Antiviral Immunity”

**12:25 - 1:30 PM Lunch Sessions with Plenary Speakers**

**Afternoon Session**

*BIO5 Institute, Room 103*

**1:35 – 1:50** **PM** *Isabelle Tobey, BS*

“HPV suppression of the cGAS/STING pathway”

**1:55 - 2:10 PM** *Timothy White, PhD*

“HCMV pUL138 drives early type I interferon signaling”

**2:15- 2:30 PM** *Rob Jackson, PhD*

“HPV16 induces subsite-specific differentiation trajectories in 3D organotypic tonsillar epithelium”

**2:30-2:50 BREAK**, *coffee available in Lobby*

**Session III: Bacteriology**

*Moderators: Yamil Sanchez-Rosario and Zoe Lyski*

**2:50 – 3:40 PM** **Plenary Lecture**, ***Victor Torres, PhD***

“Host Tropism and the Pathobiology of *Staphylococcus aureus*Infections”

**3:45 – 4:00 PM** *Vianney Mancilla, BS*

“The Emerging Role of Proteus mirabilis in Endometrial Cancer”

**4:05 - 4:20 PM** *Nicole Jimenez, PhD*

“Genomic Characterization of Fannyhessea Reveals Insight into Pathogenic Mechanisms”

**Poster Session**

*MRB, Lobby and Room 102*

**4:20 - 5:30 PM** **Poster Session and Reception**

**5:30 PM Poster Awards & Prize Drawing**