

The 21st Annual Colorado Immunology and Microbiology Conference

The Hythe, Vail, Colorado

August 24-26, 2022

Wednesday, August 24, 2022

12:00 p.m.: Poster and vendor session setup* - Ballroom Foyer

*posters must be set up by 4:15 p.m. on Wednesday, August 26, 2020

12:00 p.m. – 2:45 p.m.: Arrive and Register

3:00 p.m. - 4:00 p.m.: Keynote Presentation – Salon A-E

**Ana Fernandez-Sesma, PhD, Professor of Microbiology and Medicine, Infectious Diseases,
Icahn School of Medicine at Mount Sinai (Introduction by Tem Morrison)**

Modulation of Immune Responses by RNA Viruses

4:00 p.m. – 4:30 p.m.: Additional poster session setup – Ballroom Foyer

4:30 p.m. – 6:30 p.m.: Poster and Vendor Session Part 1 – Ballroom Foyer

7:00 p.m. – 10:00 p.m.: Dinner and Entertainment – Salon F-J

Thursday, August 25, 2022

Breakfast 7:30 a.m. - 8:30 a.m. – Salon F-J

1st session: 8:30 a.m. - 10:30 a.m. – Targeting the immune microenvironment for cancer prevention and therapy – Salon A-E

Chair: James DeGregori, PhD

Mercedes Rincon, PhD - Boosting mitochondrial metabolism in CD8 cells to improve anti-tumor immune response

Jill Slansky, PhD - Tumor infiltrating lymphocytes that bind weakly to tumor

Patricia Ernst, PhD - Manipulating B/Myeloid Fate to Improve Mouse Models of Escape from CAR T Cell Killing

Beth Tamburini, PhD – The immune check-point, its inhibitors, and what they regulate

Break: 10:30 a.m. – 11:00 a.m.

2nd session A: 11:00 a.m.-1:00 p.m. – Host-Pathogen Interactions that Define Disease – Salon A-E

Chair: David Beckham, MD

Brian Russo, PhD - Alpha-catenin is required for bacterial intercellular spread

Linda van Dyk, PhD - Lessons in virus-host dynamics taught by a viral cyclin

Marty Voskuil, PhD - The differential treatment-shortening activity of bactericidal and bacteriostatic TB drugs

Catherine Lozupone, PhD - Immune modulation by the gut microbiome in people living with HIV

5:00 p.m. – 7:00 p.m. Poster and Vendor Session Part 2 – Ballroom Foyer

7:00 p.m. Dinner – Salon F-J

7:30 p.m. Poster Session Winners Announced

7:45 p.m. – 8:45 p.m.: Keynote Presentation – Salon F-J

Leigh Knodler, PhD, Associate Professor,

Washington State University Paul G. Allen School for Global Animal Health (Introduction by Andres-Vazquez Torres)

Salmonella under the microscope

Friday, August 26, 2022

Breakfast 7:30 a.m. - 8:30 a.m. – Salon F-J

3rd session: 8:30 a.m.-10:30 a.m. – Host Pathogens Interactions and Trainee Talks – Salon A-E

Chair: Breck Duerkop, PhD

Corrie Detweiler, PhD - Exploring New Ways to Treat Bacterial Infections

Brad Borlee, PhD - Sensory Transduction and Regulation of Cryptic Biosynthetic Clusters in *Burkholderia pseudomallei*

Poster Session Winner Presenters – 4 short talks (15 minutes) from the poster session winners

Break: 10:30 a.m. – 11:00 a.m.

4th session: 11:00 a.m.-1:00 p.m. – Lung Infection and Immunity - Salon A-E

Chair: Peter Henson, PhD

Hua Huang, MD - Transcriptional codes for hyper transcription of the pro-inflammatory genes in human lung macrophages

Lee Reinhardt, PhD – Worms and lessons learned: Type-2 immunity in the lung

Jenna Guthmiller, PhD - Overcoming the ghosts of influenza past to generate protective humoral immunity

Katie Hisert, MD, PhD – Lung spatial heterogeneity influences host-pathogen interactions: it matters where bacteria encounter macrophages