**CYSTIC FIBROSIS - ECOLOGY, EVOLUTION, ERADICATION**

8th bi-annual meeting, June 5-9, 2023

Contact Info

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**Code of Conduct and DEI Policy**

<https://telluridescience.org/policies/>

**Sunday June 4th**

5:00pm-6:30pm Meet-and-Greet Welcome Reception

 [The Liberty](https://libertytelluride.com/)

 121 S Fir St.

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# **Monday, June 5th**

**8:00am Breakfast**

​**Session 1 – Modulators and Evolution**

**8:30-9:00 – Introductions**

**9:00-9:30 – Overview, 2021 Recap, Workshop Goals**

**9:30-10:10 – Lindsay Caverly, University of Michigan**

CFTR Modulators and CF Microbiology

**10:10-10:40 -**  **Yasmin Hilliam, Dartmouth College**

 Changes in bacterial community composition following HEMT

**10:50-11:20 – Christian Martin, Michigan State University**

Longitudinal microbial/molecular dynamics after Trikafta therapy

**11:20-11:50 - Rees Kassen, University of Ottawa**

 Evolutionary Genomics of Diversification of *Pseudomonas aeruginosa* in CF-like environments

**11:50-12:20 - Catherine Armbruster, Dartmouth**

 Persistence and evolution of *Pseudomonas aeruginosa* following initiation of HEMT

**12:20-12:50 – Brandie Wagner, Colorado**

**1:00pm** Lunch / Free Time (Hiking, Biking, Fishing….)

**6:00pm** Dinner @ Brown Dog Pizza / La Cocina De Luz (Optional)

# **Tuesday, June 6th**

**8:00am** Breakfast

**Session 2 – Microbiomes and Metabolomes**

**8:30-9:10 – Kirk Harris, Colorado**

Title TBD

**9:10-9:50 – Stefanie Widder, Medical University of Vienna**

Microbial community organization designates exacerbation types and modulates treatment success

**9:50-10:30 – Andrea Hahn, Children’s National**

Using metabolic potential within the airway microbiota as predictors of clinical state

**10:40-11:10 -**  **Katrine Whiteson, UC Irvine**

 Title TBD

**11:10-11:50 – Heather Bean, Arizona State**

 VOCs of *Staphylococcus aureus* small colony variants

**11:50-12:30 – Barb Bailey, San Diego State University**

**1:00pm** Lunch / Free Time

**6:00pm Telluride Science Town Talk**

**Location: Mountain Village Conference Center**

**Time: Cash Bar Open at 6:00pm, Program 6:30pm to 7:30pm**

**Free and Open to the Public, 35 minute commute from Intermediate School**

**Featured Speaker:** [Kristin Slade](https://www.hws.edu/faculty/slade-kristin.aspx), Hobart and William Smith Colleges

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# **Wednesday, June 7th**

8:00am Breakfast

**Session 3 – Polymicrobial and Host-Microbe Interactions**

**8:30-9:10 – Jennifer Bomberger, Dartmouth**

 Viral-bacterial interactions regulate microbial dynamics in CF

**9:10-9:50 – Matt Wargo, Vermont**

 *Pseudomonas aeruginosa* public goods in polymicrobial interactions

**9:50-10:30 – Katie Hisert, National Jewish Health**

Lung geography and host-pathogen interactions

**10:40-11:10 -**  **Megan Kiedrowski, University of Alabama Birmingham**

Biological models to investigate how nutrient availability and polymicrobial interactions influence *Staphylococcus aureus* survival after antibiotics

**11:10-11:50 – Greg Burkeen, San Diego State**

 Microbial succession in CF lungs driven by succinate and lactate

**11:50-12:30 – Rob Quinn, Michigan State**

Give’r there eh, bud? How to speak Canadian

**1:00pm** Lunch / Free Time

**5:30pm** Telluride Picnic @ Intermediate School

Free and Open to TSRC Scientists and Friends and Family

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# **Thursday, June 8th**

**8:00 am** Breakfast

**Session 4 – The CF Gut and Bacteriophage**

**8:30-9:10 – Ryan Hunter, Minnesota**

*Fusobacterium nucleatum in the airways and gut*

**9:10-9:50 – Kaitlyn Barrack, Dartmouth**

 Mimicking the gut environment

**9:50-10:20 – Rebecca Valls, Dartmouth**

Microbiome across the CF gut

**10:30-11:10 -**  **Hamza Hajama, SDSU**

**11:10-11:50 – Anca Segall, SDSU**

**11:50-12:30 - Sage Dunham, UC Irvine**

 Volatile microbial metabolites as adjuvants for phage & antibiotic therapy

**1:00pm** Lunch / Free Time

**6:00pm BBQ @ Telluride Lodge**

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# **Friday, June 9th**

8:00am Breakfast

**Session 5 -** Closing Roundtable Discussion / Brainstorm

**12pm** Depart Telluride