

Cystic Fibrosis: Ecology, Evolution, and Eradication

**Telluride Intermediate School
Telluride Sciences, Telluride, CO**

6/23/2025-6/28/2025

Participants should be aware that this workshop runs Tuesday through Friday Evening.

Monday June 23rd - Tuesday June 24th, 2025: Arrival Telluride

Monday June 23rd, 2025

5:00 – 6:30 pm: Meet and Greet with Telluride Science Staff, The Alibi (121 S Fir St, Telluride, CO 81435).
Staff members will be there to hand out badges and answer any questions for the week.

Dinner on your own.

Tuesday June 24th, 2025

8:00 am – 8:30 am Breakfast on site

9:00am – 9:30 am: Greeting and Meeting Organization – Robert Quinn, Michigan State and Andrea Hahn, Children's National Hospital

9:30 am – 12:15 pm: Session 1 (3 speakers; ~45 min each)

Marvin Whiteley - Developing CF pre-clinical models
Paul Planet - In host evolution of nontuberculous mycobacteria
Vaughn Cooper - How Burkholderia adapt over decades in the CF airway

12:15 pm – 1:30 pm: Lunch

1:30 pm – Fin: Afternoon Hike

6:30 – 7:30 pm: Town Talk in Mountain Village at Conference Center. Speaker TBD.

Wednesday June 25th, 2025

8:00 am – 8:30 am Breakfast on site

8:30 am – 10:30 am: Session 2 (2 speakers, ~45 min each)

Jen Bomberger - Polymicrobial infections in CF
Neha Garg - Metabolomics in microbe-host-drug interactions

10:30 am 10:45 am: Break

10:45 am – 12:15 pm: Session 3 (2 speakers; ~25 min each)

Ben Kopp - Novel regulators of CF host-pathogen interactions in the trikafta era
John LiPuma - Phage therapy for Burkholderia infection

12:15 pm – 1:15 pm: Lunch

1:15 pm – 3:00 pm Session 4 (2 speakers; ~45 min each)

Rob Quinn - Defining the Novel Microbial Niche Space in the Trikafta Treated CF Lung

Ryan Hunter - Refuting everything Rob talks about (organizer note, I'm fine with this, but am feisty!).

3:00 – 3:30 Break

3:30 pm to 4:30 pm: Session 5 (2 speakers; ~25 min each)

Sarah Clark - CFTR mutation abrogates airway *Prevotella*-mediated regulation of epithelial cell defense against *Staphylococcus aureus*

Fabrice Jean-Pierre - Modeling microbial interactions in the CF lung (+ some stuff on ETI)

4:30 – 5:30 pm. Free time. Possible Overflow speakers.

5:30 – 7 pm: Telluride Science Picnic/BBQ. Tent behind the Intermediate School (721 W Colorado Ave, Telluride CO 81435)

Thursday June 26th, 2025

8:00 am – 8:30 am Breakfast on site

8:30 am – 10:30 am: Session 6 (2 speakers, ~45 min each)

Katie Hisert - Co-infections influence bronchiectatic airway micro-environments to protect against *Mycobacterium abscessus*

Katrine Whiteson - Phages in CF - building cocktails with kinetics & adjuvants. Boost our perspective piece & big metabolomics datasets too

10:30 am 10:45 am: Break

10:45 am – 12:30 pm: Session 7 (2 speakers; ~25 min each)

Matt Wargo - Lipid mediation of polymicrobial interactions etc

Brandie Wagner - on solving zero problems

12:30 pm – 1:30 pm: Lunch

1:30 pm – 2:30 pm: Session 8 (2 speakers, ~25 min each)

Anca Segall - Response of *Achromobacter* to phage therapy

Isaac Klapper - TBA

2:30 pm – Fin: Afternoon Hike

6:00 pm Dinner on your own

Friday June 27th, 2025

8:00 am – 8:30 am Breakfast on site

8:30 am – 10:00 am: Session 9 (2 speakers, ~45 min each)

Heather Bean - Quorum regulation of bioactive VOCs of *P. aeruginosa* (are there implications for modeling microbial interactions?)

Lindsay Caverly - NTM or PEx. TBD.

10:00 am 10:15 am: Break

10:15 am – 12:30 pm: Session 10 (3 speakers; ~45 min each)

Andrea Hahn - The impact of CFTR modulator therapy on bacterial and host response to viral infection in persons with cystic fibrosis

Everyone - CF Funding in the Challenging Academic Climate

12:30 pm – 1:30 pm: Lunch

1:30 pm – 2:30 pm: Wrap up and synthesis, Feedback for next time

2:30 pm – 5:00 pm: Free time. Possible overflow speakers.

5:00 pm – 8:00 pm CF:EEE Group BBQ

Saturday June 28th, 2025

Depart Telluride