

University of Washington's Advanced TB Research Training Course

Monday-Friday, September 8-12, 2025; 7:30-11am Pacific (Seattle) time

Registration is required: <https://courses.washington.edu/tbresearchcourse/>

*Each talk is a 20-minute presentation, which includes a brief Q&A *Breakout discussions intended to encourage interactions with faculty and among participants

| All times listed in PDT (Seattle) | Monday, Sept 8 Immunology & Vaccines | Tuesday, Sept 9 Pathogenesis & Treatment | Wednesday, Sept 10 Biomarkers, Diagnostics & TB Advocacy | Thursday, Sept 11 Aerobiology, Transmission & Prevention | Friday, Sept 12 Modeling, mHealth, Pediatrics and Pregnant Women |
|-----------------------------------|---|---|---|--|---|
| 7:30–7:40 am | <i>Welcome & Logistics</i> | <i>Welcome & Logistics</i> | <i>Welcome & Logistics</i> | <i>Welcome & Logistics</i> | <i>Welcome & Logistics</i> |
| 7:40–8:00 am | Innate immunity and host-directed therapies; Tom Hawn | Pathogenesis and drug targets; David Sherman | TB biomarkers and diagnostics; Paul Drain | Aerosol biology and TB transmission; David Horne | TB modeling and phylogenetics; Josh Herbeck |
| 8:00–8:20 am | Adaptive immunity to <i>M. tuberculosis</i> ; Chetan Seshadri | Systems biology approaches to drug discovery; Nitin Baliga | Novel biomarkers for incipient/subclinical TB; Javeed Shah | Resister populations and Mtb transmission; Jason Simmons | Using mobile health technologies for TB; Sarah Iribarren |
| 8:20–8:40 am | Granulomas and in vivo model of TB pathogenesis: dissecting mechanisms of protection and dissemination; Kevin Urdahl | Drug discovery and development; Arielle Butts | Tongue swabs and other non-sputum based diagnostics; Jerry Cangelosi | Imaging and other clinical measures for risk of Mtb transmission; Engi Attia | Pediatrics and special populations; Rafael Hernandez |
| 8:40–9:00 am | TB controlled human infection model (TB-CHIM); Rhea Coler | Treatment regimens, including PLHIV; Adrienne Shapiro | Organizing, Funding, and Media for TB advocacy; Erin McConnell, TAG | TB preventive treatment and novel regimens; Jennifer Ross | Diagnostics for pregnant women and PLHIV; Grace John-Stewart |
| 9:00–9:10 am | <i>Break</i> | <i>Break</i> | <i>Break</i> | <i>Break</i> | <i>Close</i> |
| 9:10–9:30 am | TB vaccine trials; Andrew Fiore-Gartland | Treatment for drug-resistant and extrapulmonary; Bijan Ghassemieh | Q&A Discussion with Treatment Action Group | TB in Pregnancy; Sylvia LaCourse | |
| 9:30–10:30 am | <i>Discussion Panel:</i> Sarah Stanley (UC-Berkeley), Rasmus Mortenson (SSI), Alison Kraigsley (Gates Found.) | <i>Discussion Panel:</i> Gary Maartens (U Cape Town), Kelly Dooley (Vanderbilt), Jared Silverman (Gates Research) | John Green, Author of "Everything is Tuberculosis" | <i>Discussion Panel:</i> Robert Wilkinson (UCT), Mike Barer (U. Leicester) | |
| 10:30–10:55 am | Breakout - Meet & Greet | Breakout - Meet & Greet | Breakout - Meet & Greet | Breakout - Meet & Greet | |
| 10:55–11:00 am | <i>Close</i> | <i>Close</i> | <i>Close</i> | <i>Close</i> | |