



Johns Hopkins Center for Tuberculosis Research & TRAC Annual Meeting  
Sheldon Hall (W1214) Johns Hopkins Bloomberg School of Public Health  
Wednesday, May 28, 2025



|                          |  |   |
|--------------------------|--|---|
| 8:45–9:00 am<br>15 min   | <b>Welcome</b><br>➤ Richard E. Chaisson, MD  | Sheldon Hall (W1214)  |
| 9:00–10:00 am<br>1 hr    | <b>Session 1</b><br>10 minute presentations & Q&A<br>➤ Moderator: Eric Nuermberger, MD | <ol style="list-style-type: none"><li>1. <b>Benjamin Koleske, BA, MD/PhD Candidate:</b> Loss of the <i>PPE71-esxX-esxY-PPE38</i> locus drives adaptive transcriptional responses and hypervirulence of <i>Mycobacterium tuberculosis</i> Lineage 2</li><li>2. <b>Darla Quijada, PhD Candidate</b> – M. tuberculosis effects on mitochondrial cell death signaling in macrophages</li><li>3. <b>Carlos Ruiz-Gonzalez, MD, Postdoctoral Research Fellow:</b> MRI-Based Assessments of Novel Therapies in a Mouse Model of Tuberculous Meningitis</li><li>4. <b>Kathirvel Maruthai, PhD, Postdoctoral Fellow:</b> Tuberculosis and Diabetes: Exploring the Interplay of Hyperglycemia and Macrophage Dysfunction</li></ol> |
| 10:00–10:30 am<br>30 min | Break  | Anna Baetjer (W1030) – <i>Coffee &amp; Pastries</i>   |
| 10:30–11:30 am<br>1 hr   | <b>Session 2</b><br>10 minute presentations & Q&A                                      | <ol style="list-style-type: none"><li>1. <b>Abhay Balkrishna Kadam, MA:</b> Point-of-care spirometry among TB survivors in programmatic and community settings in Pune, India: opportunities and challenges</li><li>2. <b>Samyra R. Cox, PhD, MPH:</b> TB Aftermath Trial: Phone screening compared to home-based screening post TB</li><li>3. <b>Evelyn Lepka de Lima, MD, MPH:</b> Tuberculosis Recurrence and Associated Factors: A 12-Year Population-Based Cohort Study in Brazil</li></ol>  |
| 11:30–12:00<br>30 min    | Break  | Anna Baetjer (W1030)  |
| 12:00–12:30 pm<br>30 min | <b>The Maria Nikitin Memorial Lecture</b>  | Sheldon Hall (W1214)<br><b><i>Prioritizing marginalized populations in responding to the global tuberculosis epidemic: Returning to the why</i></b><br><br>➤ <b>Jason Andrews, MD</b><br>Professor of Infectious Diseases and Geographic Medicine<br>Department of Medicine, Stanford University  |
| 12:30–1:30 pm<br>1 hr    | Lunch  | Anna Baetjer (W1030)  |



Johns Hopkins Center for Tuberculosis Research & TRAC Annual Meeting  
Sheldon Hall (W1214) Johns Hopkins Bloomberg School of Public Health  
Wednesday, May 28, 2025



|                            |   |  |
|----------------------------|---|--|
| 1:30–2:15 pm<br>45 min     | <b>Session 3: TRAC Year 1 Developmental Awardee Presentations</b><br>10 minute presentations & Q&A<br>➤ Moderator: Jonathan Golub, PhD, MPH | <ol style="list-style-type: none"><li>1. <b>Styliani Karanika, MD:</b> Innovative Host-Directed Therapies for Tuberculosis: Enhancing Treatment Outcomes in Preclinical Studies</li><li>2. <b>Subhra Chakraborty, PhD, MPH:</b> Development of a simple and rapid diagnostic test for pediatric tuberculosis</li><li>3. <b>Jeffrey Tornheim, MD, MPH:</b> Determination of the mid-treatment molecular clock for MDR-TB</li></ol>  |
| 2:15–2:45 pm<br>30 min     | Break   | Anna Baetjer (W1030) – <i>Coffee &amp; Pastries</i>  |
| 2:45–4:00 pm<br>1 hr 15min | <b>Session 4</b><br>10 minute presentations & Q&A<br>➤ Moderator: Petros Karakousis, MD   | <ul style="list-style-type: none"><li>➤ <b>Joowhan Sung, MD, MSc:</b> Should TB screening include targeted screening for hypertension? Computer-aided detection of cardiomegaly in Uganda</li><li>➤ <b>Evan Shirey, MD:</b> Evaluation of Risk Factors for TB Infection Among Household Child and Adolescent Contacts in South Africa</li><li>➤ <b>Woojae Choi, MD, MPH:</b> Clinical Impact of Dose-Intensified Tuberculosis Treatment Using Therapeutic Drug Monitoring and N-acetyltransferase 2 Testing in the United States</li><li>➤ <b>Medha Singh, PhD, MS:</b> Proapoptotic Bcl-2 Inhibitors as Adjunctive Host-Directed Therapy Enhance Tuberculosis Treatments and Long-term Cure in a Murine Model</li><li>➤ <b>Nikita Mangla:</b> Novel Clp Protease Inhibitors Increase Efficacy Of Rifamycin, Diarylquinoline and Pretomanid-based Regimens In Mouse Models Of Tuberculosis</li></ul> |
| 4:00 – 4:15pm              | <b>Award Presentation</b>   | Sheldon Hall (W1214)<br><b>Presentation of the Arthur M. Dannenberg, Jr. Award &amp; Inaugural Jacques Grosset Mentor Award</b>  |
| 4:15–5:00 pm               | <b>Reception</b>  | Anna Baetjer (W1030) – <i>Charcuterie &amp; Light Fare</i>   |