
RePORT INTERNATIONAL ANNUAL MEETING
September 30 – October 1, 2026 | ITC Grand, Mumbai, India

DISCOVERY TO IMPACT

SCIENTIFIC AGENDA

Celebrating Global Collaboration in TB Science

SCIENTIFIC AGENDA

Meeting Co-Chairs: Sonali Sarkar & Bruno Andrade

SEPTEMBER 30, 2026

8:00 AM Welcome Remarks

Jerry Ellner, RePORT International Coordinating Center
Jyoti Logani, Department of Biotechnology
Nicole Espy and Fatima Jones, National Institute of Allergy & Infectious Diseases
Shobini Rajan, Central TB Division
Camilla Rodrigues, Gautam Khanna/Joy Chakraborty, P.D Hinduja Hospital

8:10 AM Keynote Address — Sonali Sarkar, JIPMER, RePORT India Chair

SESSION I · Implementation Research

MODERATORS *Alix Boisson-Walsh and Stephany Duda*

8:30 AM Srinath Satyanarayana, ICMR-NIRT

9:00 AM Hemant Shewade, ICMR-NIE Division of Health Systems Research

Tamil Nadu Kasanoi Erappila Thittam: First Statewide Differentiated TB Care Initiative to Reduce TB Deaths

9:20 AM Ramya Ananthakrishnan, REACH

Closing the Loop: How Implementation, Operational Research, Advocacy, and Policy Action Accelerate TB Elimination

9:40 AM Pruthi Thekkur, IUATLD, Centre for Operational Research

From Policy to Practice: Implementing TB-Associated Disability Care and Timeliness Metrics for TB Prevention Across Countries

10:00 AM Jonathan Golub, Johns Hopkins University

10:20 AM Break (20 minutes)

SESSION II · Diagnostics

MODERATOR *Marissa Alejandria*

10:40 AM Susan Dorman, Medical University of South Carolina

TB Diagnostics — What's New?

11:00 AM Nitin Baliga, Institute for Systems Biology

No Amplification Required: Rethinking the TB Blood Test

11:20 AM Hanna Schiff, University of Southampton

Unbiased Plasma Proteomics to Investigate Host Response Biomarkers of Pulmonary TB

11:40 AM Hanna Elizabeth Luke, National Institute of Research

Mtb-derived cell-free DNA: A Promising Biomarker for Early and Accurate Detection of TB

12:00 PM DJ Christopher, Christian Medical College, Vellore

What is Trending in TB Diagnostics Focusing on the Work of R2D2?

12:20 PM Nagasuma Chandra, Indian Institute of Science Bangalore

Decoding Complex Host-Immune Responses to Develop Precision Diagnostics

12:40 PM Komala Ezhumalai, Junior Investigator

A TB-Specific Sarcopenia Risk Score (TB-SARCO) Using Routine Clinical Data: Development and Validation in a Prospective Cohort

12:55 PM Lunch Break

2:00 PM **Jerry Ellner, Rutgers University**
RePORT International Updates

SESSION III · Treatment Outcomes

MODERATORS Amita Gupta and Jinsoo Min

2:30 PM **Rohan V. Lokhande**, Junior Investigator
Pharmacokinetic Assessments of Second-Line Anti-TB Drugs: An Observational Study from India

2:45 PM **Padmini Salgame**, Rutgers University
Analysis of Host Biomarkers Associated with Adverse TB Treatment Outcomes Across RePORT International Sites (Biomarkers Study)

3:05 PM **Ranjan Nanda**, International Centre for Genetic Engineering and Biotechnology
Pharmacogenomics of Persons with TB in India and Bangladesh

3:25 PM **Zarir Udwadia**, P.D. Hinduja Hospital
Recent Advances in TB Treatment

3:45 PM **Devanshu Gohil**, Junior Investigator
External Validation of a Parsimonious Prediction Model for TB Recurrence in India

4:00 PM **Lakshmi Spurthi Kodali**, Junior Investigator
Alcohol Misuse is Associated with Worse Lung Function and Respiratory Health Status in Pulmonary TB

4:15 PM **Rodrigo Carvalho de Menezes**, Junior Investigator
Host Blood RNA Signatures Had Limited Utility as Biomarkers of Suboptimal Adherence During TB Therapy

4:30 PM Break (20 minutes)

SESSION IV · Artificial Intelligence

MODERATORS Evan Johnson and Bruno Andrade

4:50 PM **Sarah Nyangu**, Junior Investigator
Performance of Human and Computer-Aided Evaluation of Digital Chest Radiography for Community-Based Screening of Asymptomatic TB

5:05 PM **Beatriz Barreto Duarte**, FIOCRUZ
AI-Assisted Chest X-Ray Screening for TB in Priority Populations: Experiences from Brazil

5:25 PM **Amit Kharat**, Deeptek AI
AI-Powered Chest X-Ray Screening for TB at Scale: Evidence from 500,000+ Real-World Screenings in India

5:45 PM Closing

Evening Group Dinner (all are invited)

OCTOBER 1, 2026

SESSION V · TB Infection and Progression

MODERATORS Vidya Mave and Simon Mendelsohn

- 8:00 AM Aniruddh Sarkar**, Emory / Georgia Tech
Antibody-omics for Diagnostic Biomarkers and Immunological Insights in TB
- 8:20 AM Senbagavalli Prakash Babu**, JIPMER
Decoding the Metabolic Landscape of TB Treatment Failure and Poor Outcomes
- 8:40 AM Vaishnavi Kaipilyawar**, Rutgers University
Resistance to Mycobacterium tuberculosis Infection: What Does It Really Mean?
- 9:00 AM Mariana Araújo-Pereira**, FIOCRUZ
From Exposure to Disease: Predicting TB Progression
- 9:20 AM John Carlo Malabad**, RePORT Philippines
Impact of Latent TB Infection and Trained Immunity on Susceptibility to SARS-CoV-2 Infection in the Philippines
- 9:40 AM Break** (20 minutes)

SESSION VI · Nutrition

MODERATOR Sonali Sarkar

- 10:00 AM Rupak Shivkoti**, Columbia University
Nutritional Status and Alcohol Intake During TB Treatment
- 10:20 AM Prakash Babu**, JIPMER
Helminth Co-infection as a Modifier of TB Disease Severity: Insights from Clinical Cohorts and Multi-Omics Studies
- 10:40 AM Pranay Sinha**, Boston University
TB and Nutrition: A Bread-and-Butter Approach to Ending TB

SESSION VII · Host-Directed Therapy

MODERATORS Valeria Rolla and Tim Sterling

- 11:00 AM Ramandeep Singh**, Translational Health Science and Technology Institute
- 11:20 AM Amit Singhal**, A*STAR, Singapore
Metformin as TB Host-Directed Therapy: From Bench to Clinic
- 11:40 AM Damien Portevin**, Swiss Tropical and Public Health Institute
Single Cell Profiling of Immune Recovery Trajectories Reveals Regulatory and Interferon Signatures Dependent on TB Disease Severity
- 12:00 PM Group Photo & Lunch Break**

SESSION VIII · Vaccines

MODERATORS Vijaya Valluri and Humphrey Mulenga

- 2:00 PM Mark Hatherill**, South African Tuberculosis Vaccine Initiative
Projects in Pipeline

- 2:20 PM Nimesh Gupta**, National Institute of Immunology
T Cell-Guided TB Vaccine Design: From Human Immunity to Vaccine Candidates
- 2:40 PM Badri Patnaik**, Bharat Biotech
MTBVAC Clinical Development Plan and the Phase 3 Efficacy Trial in India
- 3:00 PM Tom Scriba**, South African Tuberculosis Vaccine Initiative
Biomarkers of Asymptomatic TB
- 3:20 PM Break (30 minutes) Group Photo**

SESSION IX · Transmission

MODERATORS *Bih Chendi and Mandar Paradkar*

- 3:50 PM Bavesh Kana**, Microbial Innovation and Research Advancement Hub
Differentially Culturable Tubercle Bacteria: The Missing Link in TB Transmission
- 4:10 PM Ashwani Kumar**, CSIR-Institute of Microbial Technology
Emerging Trends in Bedaquiline Resistance: A Challenge in Tackling MDR-TB
- 4:50 PM Sonali Sarkar**, JIPMER
Role of TB Strains in Transmission
- 5:10 PM Closing, Co-Chairs**

Scientific Planning Committee

Alicia D. Wright, Vanderbilt University Medical Center
Amita Gupta, Johns Hopkins University
Bruno Andrade, Johns Hopkins University/FIOCRUZ (Co-chair)
Jerrold Ellner, Rutgers University
Mark Hatherill, University of Cape Town/South African Tuberculosis Vaccine Initiative
Nicole Espy, National Institutes of Health
Padmini Salgame, Rutgers University
Sonali Sarkar, Jawaharlal Institute of Postgraduate Medical Education and Research (Co-chair)
Soyeon Kim, Frontier Science Foundation

Meeting Organizing Team

Audrey Mioli, Rutgers University
Camilla Rodrigues, P.D. Hinduja Hospital
Daphne Martin, Rutgers University
Francesca Escaleira, Rutgers University
Joanna Radman, Rutgers University
Kate Larkin, Rutgers University
Lorraine Luciano-McKeon, Rutgers University
Prerna Arora, P.D. Hinduja Hospital
Rajita Bhavaraju, Rutgers University