

World TB Day 2016 Rutgers University, Newark, NJ

Thursday, March 31

11:00 am - 12:00 pm **Arrival**

12:00 pm - 1:00 pm **Luncheon for Invited Participants**

1:00 pm - 1:10 pm **Welcome by D. Perlin**

1:15 pm - 2:55 pm **Session 1 – Moderated by P. Salgame**

J. Ernst *"Drift vs. selection in evolution and adaptation of M. tuberculosis"*
J. Beamer *"Diversity: It's good for TB research"*
S. Schwander *"Air pollution and nanoparticle effects on antimycobacterial immunity"*
A. Campos-Neto *"BM-MSCs, a niche of M. tuberculosis evasion from host resistance and drugs"*

3:00 pm - 3:30 pm **Coffee Break**

3:30 pm - 5:10 pm **Session 2 – Moderated by N. Connell**

C. Nathan *"Killing persistent Mycobacterium tuberculosis"*
Y. Morita *"A spatially distinct and metabolically active membrane in mycobacteria"*
J. Seeliger *"Making mycobacterial membranes: lipid transport pathways in the cell wall"*
J. Freundlich *"Learning from the host, the bug, and the drug"*

5:30 pm **Shuttle to Reception**

6:00 pm **Reception and Dinner for Invited Participants**

Friday, April 1

7:30 am - 08:30 am **Breakfast for Invited Participants**

8:30 am - 10:10 am **Session 3 – Moderated by M. Gennaro**

A. Lardizabal *"Using a multi-pronged approach to address TB at the global, national and regional level"*
N. Ghesani *"Molecular imaging of mycobacterial infection"*
J. Ellner *"Biomarker's the thing"*
D. Alland *"Update on Xpert Ultra: increasing sensitivity for a point of care TB test"*

10:15 am - 10:45 am Coffee Break

10:45 am - 12:30 pm Session 4 – Moderated by M. Rodriguez

- B. Mathema *“High-resolution genomic and epigenomic mapping of two epidemic M. tuberculosis strains”*
- T. Gray *“Conjugation in M. smegmatis is so ESXy”*
- L. Wangh *“Single-color, single-tube LATE-PCR MTBDR assay for identification of all mutations in inhA, katG, and rpoB transferred to the new Hain Lifescience FluoroType® Platform”*
- H. Darwin *“Proteasomal degradation and M. tuberculosis pathogenesis: it takes two”*

Friday, April 1

12:30 pm - 1:30 pm Lunch for All Participants

1:30 pm - 3:35 pm Session 5 – Moderated by B. Kreiswirth

- X. Zhao *“Combination of vitamin C with tirapazamine kills both growing and growth-arrested M. tuberculosis”*
- N. Woychik *“Strength in numbers? Exploring the roles of toxin-antitoxin systems in M. tuberculosis”*
- K. Rhee *“Continuing tales of the tubercle bacillus”*
- K. McDonough *“Cyclic AMP signaling: hearing a voice in the crowd”*
- W. Jacobs *“Pursuing Edward Jenner’s revenge: chasing sterilization of tuberculosis”*

3:35 pm - 4:00 pm Closing Remarks