Keynote speaker:
D. Branch Moody, MD
Principal Investigator
Associate Physician, Brigham and Women's Hospital
Professor of Medicine, Harvard Medical School

Dr. Moody's laboratory has carried out sustained and focused research on CD1 antigen presentation and lipid biochemistry for 20+ years; this basic work aims to understand how dendritic cells, CD1 antigen presenting molecules and cell wall lipids control T cell response. Dr. Moody's highly collaborative research program is supported by the Bill and Melinda Gates Foundation and the Tuberculosis Research Unit Network. Many young scientists from Dr. Moody's lab have gone on to careers in mycobacterial research, including tenure track faculty at Columbia University, University of Washington, University of California, Harvard Medical School and other institutions.

SEATRAC
Seattle Tuberculosis Research Advancement Center
TRTC TUBERCULOSIS RESEARCH & TRAINING CENTER
UNIVERSITY of WASHINGTON

7th ANNUAL UW TUBERCULOSIS SYMPOSIUM

Discoveries to help end the TB epidemic; a new vision for the 21st century

Friday, May 5, 2023
8:00 a.m. - 4:00p.m. PDT
Orin Smith Auditorium, Building C
South Lake Union Campus

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8:00-8:30am Breakfast/Poster Set-Up

Session I Chetan Seshadri, MD

8:30-8:35am **Chetan Seshadri, MD (UW*), "SEATRAC Introduction"**

8:35-9:35 **Keynote: D. Branch Moody, MD (Harvard),** *"Molecular Discoveries in the M. tuberculosis Cell Envelope"*

9:35-9:50 **Early Career Scientist: Megan Maerz, PhD candidate (UW)**, *"Understanding γδ T cell responses to BCG vaccination*"

9:50-10:30 Break

Session II Sylvia LaCourse, MD, MPH

10:30-11:00 **Videlis Nduba, MD, MPH (KEMRI),** *"Systemic inflammation predicts bacillary aerosolization and infectiousness in pulmonary tuberculosis in Kenya"*

11:00-11:15 **Early Career Scientist: Aparajita Saha, MBBS, (UW),** *"Diminished TB-specific T cell responses during pregnancy in women with HIV and further alteration by isoniazid preventive therapy."*

11:15-11:30 **Early Career Scientist: Jennie I. Ruelas Castillo, PhD candidate (Johns Hopkins University)**, *"The heme oxygenase-1 metalloporphyrin inhibitor stannsoporfin enhances the activity of a novel regimen for multidrug-resistant tuberculosis in a murine model*"

11:30-11:45 **Early Career Scientist: Sara Cohen, PhD (Seattle Children's)** *"Prior Mycobacterium tuberculosis exposure enhances the efficacy of subunit vaccination*"

11:45-2:00 Lunch, Poster Session (SLU C123B)

Session III Tanya Parish, PhD

2:00-2:15 **Early Career Scientist: Amala Bhagwat, PhD (Seattle Children's**), *"Aminothiazoles kill Mycobacterium tuberculosis via copper-dependent inhibition of enolase"*

2:15-2:30 **Early Career Scientist: Manuja Sharma, PhD candidate (UW)** *"TBscreen: A Passive Cough Classifier for Tuberculosis Screening with a Controlled Dataset*"

2:30-3:30 **Bioinformatics Panel Session: Andrew Fiore-Garland, PhD (Fred Hutch)**

- **John Aitchison, PhD (Seattle Children's)**
- **Nitin Baliga, PhD, MSc (Institute for Systems Biology)**
- **Stewart Chang (BMGF)**
- **Shuyi Ma, PHD (Seattle Children's)**

3:30-4:00 **Christoph Grundner, PhD (Seattle Children's)** *"PE/PPE proteins: Ins and outs of mycobacterial outer membrane transport"*

Reception

4:00-6:00pm Light refreshments and drinks (SLU C123B)