



NIH Research and Innovation Translation Conference and Technology Showcase

PROGRAM AGENDA

APRIL 20, 2026

1.00 PM Federal Resources to Support Technology Translation
Chairs: Kari Ashmont, PhD (NIBIB); Jessica Falcone, PhD (NIBIB)

APRIL 21, 2026

8.30 AM Welcome Remarks and Conference Agenda
Conference Chairs: Tiffani Bailey Lash, PhD (NIBIB) / Atam Dhawan, PhD (NJIT)

9.00 AM Emerging Technologies in Action
Bruce Tromberg, PhD (NIBIB Director) and Nicole Kleinstruer, PhD (OD, DPCPSI); Introduced by Tiffani Lash, PhD (NIBIB)

10.15 AM Break

10.30 AM Distinguished Lecture: Leveraging data science to advance precision medicine through point of care technologies for heart, lung, blood and sleep diseases
Chair: Jue Chen, PhD (NHLBI)
Speaker: Blanca Himes, PhD, ATSF, FAMIA (NHLBI)

11.15 AM Distinguished Lecture: Cancer Prevention/Control without Walls: Screening People Where They Live with Point-Of-Care Testing
Chair: Anthony Dickherber, PhD (NCI)
Speaker: Phillip Castle, PhD (NCI)

12.00 PM Lunch
Optional Meet NIH Staff

1.00 PM Technical Track Break Out Sessions:

Track 1- Heart Disease, Chronic Respiratory, Sleep Diseases

Chair: Bryan O Buchholz, PhD (University of Massachusetts)

Bryan Nolan (myBiometry)

Alexandria Zozos, MS, RDN, LD, and Monique Nadeau (Eatlove)

Julia Finkelstein, MD, MPH (AnemiaPhone)

Stephanie Willard, MHA, RRT-NPS (Wellinks)

Track 2- Cancer

Chair: Anthony Dickherber, PhD (NCI)

Panelists:

David Erickson, PhD (Cornell University)

Aydogan Ozcan, PhD (UCLA)

Rebecca Richards-Kortum, PhD (Rice University)

Phillip Castle, PhD, MPH (NCI)

2.30 PM Break

3.00 PM Rapid Pitch Session on e-Poster/Exhibit Session
Moderators: Kristin Gilchrist, PhD (NIBIB); Rao Divi, PhD (NCI);
Jessica Falcone, PhD (NIBIB); Atam Dhawan, PhD (NJIT)

4.00 PM Technology Showcase and Networking

5.30 PM Day 1 Ends

APRIL 22, 2026

8.30 AM Welcome Remarks and Conference Agenda
Conference Chairs: Tiffani Bailey Lash, PhD (NIBIB) / Atam Dhawan, PhD (NJIT)

9.00 AM Keynote – Technology Innovation in Pregnancy, Pediatrics, and Gynecologic Health: NICHD's Investments in Diagnostics and Devices
Rohan Hazra, MD (NICHD)

9.45 AM Keynote- Catalyzing Research, Technology, and Innovation in Translational Science
Annica Wayman, PhD (NCATS)

10.30 AM Distinguished Lecture–**Infectious Diseases**: Cheap, Portable Sequencing as a Molecular Readout for Point-of-Care Diagnostics
Chair: Paul Eder, PhD (NIAID)
Speaker: Winston Timp, PhD (Johns Hopkins University)

11.15 AM Distinguished Lecture–**Maternal / Fetal / Pediatric Health**
Chair: Antonello Pileggi, MD, PhD (NICHD)
Speaker: Rob Mannino, PhD (Emory University, Sanguina)

12.00 AM Lunch
Optional Meet NIH Staff

1.00 PM Technical Track Break Out Sessions:

Track 3: Infectious Disease

Chair: Shawn Mulvaney, PhD (NIBIB)

Speakers:

Ben Larman, PhD (Johns Hopkins University) 1:00-1:20

"Biomarker Discovery via Unbiased Antibody Reactome Profiling"

Karen Lacourciere, PhD (NIAID) 1:20-1:40

"NIAID Tuberculosis Diagnostics Support and Resources"

Nira Pollock, MD, PhD (Harvard University) 1:40-2:00

"Influenza A(H5N1) Preparedness Through a Diagnostic Lens"

Paul Sheehan, PhD (ARPA-H) 2:00-2:20

"Detection at the Speed of Biology: Ultra-fast bacterial identification and antibiotic susceptibility testing"

Track 4: Maternal / Fetal / Pediatric Health

Chair: Homa K. Ahmadzia MD, MPH (INOVA Health); Monica Longo, MD, PhD (NICHD)

Panelists:

Neil P. Ray, MD (Raydiant Oximetry)

Catherine Liao, PhD (Cardiex)

Sheng Xu, PhD (Softsonic/UCSD)

Julie Navarro, MSN, RN (Hemosonics)

2.30 PM Break

3.00 PM Rapid Pitch Session on e-Poster/Exhibit Session
*Moderators: Kristin Gilchrist, PhD (NIBIB); Rao Divi, PhD (NCI);
Jessica Falcone, PhD (NIBIB); Atam Dhawan, PhD (NJIT)*

4.00 PM Closing Remarks and Next Steps
Speaker: Atam Dhawan, PhD (NJIT)

4.15 PM Technology Showcase and Networking

5.30 PM Day 2 Ends