



Clinical & Translational Science Institute

12th Annual Translational Science Symposium – In Memory of David Seldin, MD, PhD

Advancing Translational Science Through Cutting-Edge Technology

Duan Family Center for Computing & Data Sciences

665 Commonwealth Avenue, Boston, MA 02215

March 19, 2025

TIME	Welcome & Introductions – Host: Christopher W. Shanahan, MD, MPH
8:00 - 8:07 AM	Welcome & Remarks: David M. Center MD (CTSI MPI)
8:07 - 8:15 AM	Welcome & Introduction: Megan Bair-Merritt MD MSCE (CTSI MPI)
Plenary Presentation (Advancing Translational Science Through Cutting-Edge Technology - Tentative)	
8:15 - 8:20 AM	Host/Introduction: Christopher Shanahan MD MPH
8:20 - 9:05 AM	Presenter: Roy Perlis MD Title/Topic: <i>Advancing Translational Science Through Cutting-Edge Technology (TBD)</i>
Session I: Artificial Intelligence in Medicine and Translational Science	
9:05 - 9:15 AM	Host/Introduction: Ioannis Paschalidis PhD
9:15 - 9:25 AM	Presenter: Vijaya B. Kolachalama PhD Title/Topic: <i>Multimodal AI for Processing Neurology Work-Up Data in Dementia Assessment</i>
9:25 - 9:35 AM	Presenter: Andrew Stokes PhD Title/Topic: <i>Large language models and bias (TBD)</i>
9:35 - 9:45 AM	Presenter: Huimin Cheng PhD Title/Topic: <i>Knowledge Graph and Drug Repurposing</i>
9:45-10:30 AM	Moderator: Ioannis Paschalidis PhD
10:30-10:45 AM	BREAK
Session II: Regenerative Medicine and iPSC cells	
10:45-10:50 AM	Host/Introductions: Darrell Kotton MD
10:50-11:10 AM	Presenter: Christopher Chen MD PhD Title/Topic: <i>Engineered 3D cultures as models of physiology and disease: Build, learn, repeat</i>
11:10-11:30 AM	Presenter: Angie Serrano PhD Title/Topic: <i>Story as an early career faculty / TBD</i>
11:30-11:50 AM	Presenter: Valerie Gouon-Evans PharmD PhD Title/Topic: <i>mRNA Nanomedicine for Liver Disease Treatment</i>
11:50-12:00 PM	Presenters: Elisha Wachman MD, Andrew Henderson PhD Title/Topic: <i>Translational Science RFA & BU CTSI Pilot program: Transition from Translational Research to Translational Science</i>
LUNCH BREAK / POSTER SESSION (12:00-1:00 PM)	
Session III: - Artificial Intelligence & Regenerative Medicine	
1:00 - 1:10 PM	Presenter: Katya Ravid, DSc Title/Topic: <i>Research opportunities through the Affinity Research Collaborative (ARC) Mechanism</i>
1:10 – 1:20 PM	Host/Introductions Andrew Wilson MD
1:20 - 1:40 PM	Presenter: Kayhan Batmanghelich PhD Title/Topic: <i>TBD, Biomedical imaging</i>
1:40 - 2:00 PM	Presenter: Finn Hawkins MBBCh Title/Topic: <i>Modeling and treating lung diseases with induced pluripotent stem cells</i>
2:00 - 2:20 PM	Presenter: Kim Vanuystel PhD Title/Topic: <i>A sickle cell disease (SCD)-specific induced pluripotent stem cell (iPSC) platform as a versatile tool to assess therapeutic options across the diverse SCD patient population</i>
Session VI: CLOSING REMARKS & NETWORKING (2:20-3:30)	
2:20–2:30 PM Closing Remarks: D. Center MD, M. Bair-Merritt MD MSCE	
2:30–3:30 PM Speakers Reception and Networking Session / Poster Award Ceremony David M. Center, MD & Megan Bair-Merritt, MD MSCE	

For more information regarding the symposium please visit <https://www.bu.edu/ctsi/the-12th-annual-ctsi-translational-science-symposium/>.