



# 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](https://www.bu.edu/cts/)

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)
<b>Plenary Presentation Advancing Translational Science Through Cutting-Edge Technology</b>	
8:15 - 8:20 AM	Host/Introduction: Christopher Shanahan MD MPH
8:20 - 9:05 AM	Presenter: Roy Perlis MD Title/Topic: <i>Doing AI while the sky is falling</i>
<b>Session I: Artificial Intelligence in Medicine and Translational Science</b>	
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 integrating neurology workup data in dementia assessment</i>
9:25 - 9:35 AM	Presenter: Andrew Stokes PhD Title/Topic: <i>Machine learning analysis of factors associated with semaglutide initiation among adults with obesity</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	<b>BREAK</b>
<b>Session II: Regenerative Medicine and iPSC cells</b>	
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>Of fish and men: The basis for regeneration in human health and in our society</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 &amp; BU CTSI pilot program: Transition from translational research to translational science</i>
<b>LUNCH BREAK / POSTER SESSION (12:00-1:00 PM)</b>	
<b>Session III: - Artificial Intelligence &amp; Regenerative Medicine</b>	
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>Auditing breast cancer risk screening AI models for hidden biases using multimodal large language models</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 Vanuytsel 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>
<b>Session VI: CLOSING REMARKS &amp; NETWORKING (2:20-3:30)</b>	
<b>2:20 – 2:30 PM Closing Remarks:</b> D. Center MD, M. Bair-Merritt MD MSCE	
<b>2:30 – 3:30 PM Speakers Reception and Networking Session / Poster Award Ceremony</b> David M. Center, MD & Megan Bair-Merritt, MD MSCE	

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