

9TH

ANNUAL SYMPOSIUM

Driving translation with transformative science

Dec. 9, 2024 | 8:15 a.m. to 6 p.m. | MaRS Auditorium

UNIVERSITY OF
TORONTO

TIME	Talk theme	Presenter
8:15a to 8:30a	Welcome and opening remarks	Timothy Chan – Associate Vice-President and Vice-Provost, Strategic Initiatives, and Professor, Industrial Engineering
		Michael Sefton – Scientific Director, Medicine by Design, and University Professor, University of Toronto
From concept to clinic: Lung and neurodegenerative diseases <i>Moderator: Amy Wong, Scientist, The Hospital for Sick Children</i>		
8:30a to 9a Plenary	Taking fundamental innovation across the goal line	Laura Niklason – Founder, President, and Chief Executive Officer, Humacyte Global Inc. and Professor, Yale University
9a to 9:20a	Optimizing lung recellularization	Thomas Waddell – Thoracic Surgeon and Senior Scientist, University Health Network
9:20a to 9:50a Plenary	Using induced pluripotent stem cells to understand and heal the brain	Anna Falk – Chief Scientific Officer, CCRM Nordic and Professor, Lund University
9:50a-10:10a	From vision to reality: the journey of trans-skull focused ultrasound technology	Kullervo Hynynen – Vice President, Research and Innovation, and Senior Scientist, Sunnybrook Health Sciences Centre
10:10a to 10:40a	Morning coffee break	
From concept to clinic: Diabetes and immune engineering <i>Moderator: Sara Vasconcelos, Senior Scientist, University Health Network</i>		
10:40a to 11a	Optimizing differentiation and engraftment of stem cell-derived islets for the treatment of type 1 diabetes	Cristina Nostro – Senior Scientist, University Health Network
11a to 11:20a	Update on clinical stem cell derived islet trials	Trevor Reichman – Surgical Director, Pancreatic Transplant Program, University Health Network
11:20a to 11:40a	Targeting resident liver immunity to treat hepatic disease	Sonya MacParland – Senior Scientist, University Health Network
11:40a to 12p	Cure of type 1 diabetes by CAR-Tregs	Elmar Jaeckal – Medical Director, Toronto Liver Transplant Program, University Health Network
12p to 12:10p Fireside chat	The CCRM Foundation	Michael May – Chair, The CCRM Foundation, and President and CEO, CCRM
12:10p to 1:40p	Lunch & visit the poster session and exhibitor hall	

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TIME	Talk theme	Presenter
Technology accelerating innovation, Part 1 <i>Moderator: Sidhartha Goyal, Associate Professor, University of Toronto</i>		
1:40p to 2:10p Plenary	Machine learning for therapeutic discovery	Philip Tagari – Chief Scientific Officer, insitro
2:10p to 2:30p	Harnessing microfabricated systems to mature cells, vascularize tissues and unravel human disease	Milica Radisic – Professor, University of Toronto
2:30p to 2:50p	Mapping the multiscale human	Gary Bader – Professor, University of Toronto
2:50p to 3:15p	Afternoon break	
Technology accelerating innovation, Part 2 <i>Moderator: Allison Brown, Executive Director, Medicine by Design</i>		
3:15p to 3:45p Plenary	A platform approach to CRISPR medicines on-demand for inborn errors of immunity in the pediatric population: the IGI-Danaher Beacon for CRISPR cures	Fyodor Urnov – Director of Technology & Translation, Innovative Genomics Institute, and Professor, University of California, Berkeley
3:45p to 5p Panel	Challenges and breakthroughs: Cutting-edge technologies and the future of disease recovery, prevention and care	Fyodor Urnov
		Philip Tagari
		David Malkin – Lead, Precision Child Health, and Senior Staff Oncologist, The Hospital for Sick Children
		Marlene Rabinovitch – Dwight and Vera Dunlevie Professor of Pediatric Cardiology, Stanford University
		Moderator: Lee Rubin – Professor, Department of Stem Cell and Regenerative Biology, Harvard University
5p to 5:10p	Closing remarks and poster awards	
5:10p to 6:30p	Reception - Open to all attendees	

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