



EC	EM	BER 6	MaRS Auditorium, 101 College St., Toronto, ON (Live streaming available)
INTRO	DUCTIO)N	8:30 A.M. TO 6:00 P.M. EST
08:30	08:40	Welcome remarks	Leah Cowen — Vice-President, Research and Innovation, and Strategic Initiatives, and Professor, Department of Molecular Genetics, University of Toronto (U of T)
08:40	08:50	Opening remarks	Michael Sefton — Scientific Director, Medicine by Design, and University Professor, Department of Chemical Engineering and Applied Chemistry and Institute of Biomedical Engineering, U of T
SESSI	ON 1		
Moderat	tor: Cindi	Morshead – Professor and Chair, Division of	Anatomy, Department of Surgery, U of T
08:50	09:20	Exploring skin cell heterogeneity at single cell resolution	Fiona Watt — EMBO Director, European Molecular Biology Laboratory
Living	therapy	innovations in neurological diseas	ses
09:20	09:40	Manipulating material transfer in the retina	Molly Shoichet — University Professor, Institute of Biomedical Engineering and Department of Chemical Engineering and Applied Chemistry and Scientific Director, PRiME, U of T
09:40	09:50	Astrocyte to neuron reprogramming for stroke recovery	Jack Hickmott — Postdoctoral Fellow (Morshead Lab), Department of Surgery, U of T
09:50	10:10	Genetic therapies for ultra rare neurogenetic disorders	Dr. James Dowling — Senior Scientist, Genetics and Genome Biology, The Hospital for Sick Children (SickKids)
10:10	10:40	BREAK	
SESSI	ON 2		
Moderat	tor: Hai-Li	ing Margaret Cheng – Professor, Institute of	Biomedical Engineering, U of T
10:40	11:10	Regenerating and rejuvenating aged tissues by targeting a gerozyme	Helen Blau — Donald E. and Delia B. Baxter Foundation Professor and Director, Baxter Laboratory for Stem Cell Biology, Stanford University School of Medicine
Tacklii	ng cardi	iac disease with regenerative appr	oaches
11:10	11:30	Heart regeneration with human pluripotent stem cells	Dr. Michael Laflamme — Senior Scientist, McEwen Stem Cell Institute, UHN
11:30	11:40	Cell-based vascularization for cardiac regeneration post myocardial infarction	Xuetao Sun — Research Associate (Vasconcelos Lab), Toronto General Hospital Research Institute, UHN
11:40	12:00	Algorithm-directed bioprocess optimization for advanced physiological maturation of iPSC-derived cardiomyocytes	Craig Simmons — Professor, Institute of Biomedical Engineering and Department of Mechanical and Industrial Engineering, U of T and Scientific Director, Translational Biology and Engineering Program, Ted Rogers Centre for Heart Research
12:00	12:05	Medicine by Design updates	Allison Brown — Executive Director, Medicine by Design

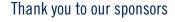


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12:05



SESSIO	N 3			
Moderato	r: Michael I	May – President and Chief Executive Officer, C	CRM	
01:30	02:00	Stem cell science and the genesis of new therapeutic strategies for patients	Derrick Rossi — President and CEO, Convelo Therapeutics and Co-founder of Moderna Therapeutics	
Panel D	iscussio	n: Driving discovery to impact in reg	enerative medicine: the role of innovative partnerships	
02:00	02:55	Helen Blau — Donald E. and Delia B. Baxter Foundation Professor and Director, Baxter Laboratory for Stem Cell Biology, Stanford University School of Medicine		
		Derrick Rossi — President and CEO, Convelo Therapeutics and Co-founder of Moderna Therapeutics		
		Fiona Watt — EMBO Director, European Molecular Biology Laboratory		
		Peter Zandstra — Professor and Director, School of Biomedical Engineering and Michael Smith Labs, University of British Columbia and Co-Founder ExCellThera and Notch Therapeutics		
02:55	03:25	BREAK		
SESSIO	N 4			
Moderato	r: Dana Phi	lpott – Professor and Associate Chair, Resear	ch, Department of Immunology, U of T	
03:25	03:55	Engineering stem cell development and differentiation	Peter Zandstra — Professor and Director, School of Biomedical Engineering and Michael Smith Labs, University of British Columbia and Co-Founder ExCellThera and Notch Therapeutics	
Novel s	trategie	s for immunomodulation		
03:55	04:15	New insights into IL-10-producing ILC2s and their applications in cell therapies	Sarah Crome — Scientist, Toronto General Hospital Research Institute and Ajmera Transplant Centre, UHN	
04:15	04:25	In vitro generation of human CD4 T lineage cells from stem cells	Julius Landas — PhD Candidate (Zúñiga-Pflücker Lab), Department of Immunology, U of T	
04:25	04:45	Why different is good: immunomodulation through heteroatomic tuning of ionizable lipids	Omar Khan — Assistant Professor, Institute of Biomedical Engineering and Department of Immunology, U of T	
04:45	04:55	CLOSING REMARKS & POSTER AWARDS		
04:55	06:00	RECEPTION AND NETWORKING		







LUNCH AND POSTER PRESENTATIONS



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