



DEC	EMI	BER 8	MaRS Auditorium, 101 College St., Toronto, ON 8:15 A.M. TO 5:30 P.M. EST
OPENII	NG REM <i>a</i>	ARKS	0:13 A.M. TU 3:30 P.M. EST
08:15	08:25	Welcome remarks	<b>Leah Cowen</b> — Vice-President, Research and Innovation, and Strategic Initiatives, and Professor, Department of Molecular Genetics, University of Toronto (U of T)
08:25	08:35	Opening remarks	Michael Sefton — Scientific Director, Medicine by Design, and University Professor, Department of Chemical Engineering & Applied Chemistry and Institute of Biomedical Engineering, U of T
		tperforming nature: rejuvenation and synth on Faiz – Assistant Professor, Department of Surgery, U	
08:35	09:05	Stem cell aging and rejuvenation	<b>Dr. Thomas Rando</b> — Director, Broad Stem Cell Research Center, and Professor, Department of Neurology and Molecular, Cell, and Developmental Biology, University of California Los Angeles
09:05	09:25	How do you solve a problem like ischemia?	Michael Garton — Assistant Professor, Institute of Biomedical Engineering, U of T
09:25	09:35	origamiFISH: universal, label-free imaging of DNA nanodevices in cells and tissues	<b>Wendy Wang</b> — Postdoctoral Fellow, Institute of Biomedical Engineering, U of T
09:35	09:55	Accelerating the identification of skeletal muscle endogenous repair modulators	<b>Penney Gilbert</b> — Associate Professor, Institute of Biomedical Engineering, U of T
09:55	10:15	BREAK	
		constructing cell fate and morphogenesis Gillis – Associate Professor, Department of Physiology,	U of T
10:15	10:45	New genomic technologies to deconstruct cell identity in reprogramming and development	Samantha Morris – Associate Professor, Department of Developmental Biology and Genetics, Washington University in St. Louis
10:45	11:05	Recording cell experiences to understand the rules of cellular programming	Alison McGuigan — Professor, Department of Chemical Engineering & Applied Chemistry, U of T
11:05	11:15	Genetically engineering single cells and clones in vivo to study tissue architecture and cancer initiation	<b>Katie Teng</b> — PhD Candidate, Lunenfeld-Tanenbaum Research Institute, Sinai Health System
11:15	11:35	Emerging biophysical rules of morphogenesis	<b>Dr. Sevan Hopyan</b> — Senior Scientist, Program in Developmental and Stem Cell Biology, The Hospital for Sick Children
11:35	1:00	LUNCH AND POSTER PRESENTATIONS	





04:20	05:30	RECEPTION	
04:10	04:20	CLOSING REMARKS & POSTER AWARDS	
03:50	04:10	Harnessing post-transcriptional circuitries to advance hematopoietic stem cell-driven regenerative therapies	<b>Kristin Hope</b> — Senior Scientist, Princess Margaret Cancer Centre, UHN
03:40	03:50	Exploring the cell therapy potential of human innate lymphoid cells to improve outcomes following haematopoietic stem cell transplant	<b>Kyle Reid</b> — PhD Candidate, Toronto General Hospital Research Institute, UHN
03:20	03:40	The development of hardware and molecular technologies for improving access to cell therapies.	<b>Keith Pardee</b> — Associate Professor, Leslie Dan Faculty of Pharmacy, U of T
02:50	03:20	Finding solutions to the challenges facing T-cell therapies for malignancy	Cliona Rooney — Director, Translational Research Laboratories Center for Cell and Gene Therapy, and Professor, Department of Pediatrics, Baylor College of Medicine
		BREAK therapies for better outcomes and better acc Buechler – Assistant Professor, Department of Immunolo	
02:20	02:30	The role of LINE1 in early human embryonic cell-fate transitions	<b>Juan Zhang</b> — Postdoctoral Fellow, Lunenfeld-Tanenbaum Research Institute, Sinai Health System
02:00	02:20	Stemness properties are encoded in the chromatin	Mathieu Lupien — Senior Scientist, Princess Margaret Cancer Centre, University Health Network (UHN)
01:30	02:00	Epigenome actuation - engineered protein regulators that translate the epigenetic code	<b>Karmella Haynes</b> — Assistant Professor, Wallace H. Coulter Department of Biomedical Engineering, Emory University
		ding the epigenome ng - Scientist, Biological Sciences Platform, Sunnybrook	Health Sciences Centre
01:00	01:30	Cell atlases as roadmaps in development	<b>Aviv Regev</b> — Head and Executive Vice President, Genentech Research and Early Development, Genentech
01.00	01.00		A: B II I IE II W D II IO I I







