

June 6 2025 | 8:00 am - 6:00 pm

CIBC Hall, McMaster University Student Centre (MUSC), Room 319
1280 Main St W, Hamilton, ON L8S 4S4

Co-hosted by



Health Sciences



08:00am - 8:40am	Welcoming Registrants and Breakfast	
08:40am-08:50am	Welcome Address geXc and McMaster	Dr. Jonathan Bramson Pauline Fung
08:50am-08:55am	Session introduction: Single cell	Dr. Hong Han
08:55am-09:10am	Facility Spotlight: MGF	Christine Mader
09:10am-09:30am	<i>“Multiplexed Single Cell Transcriptomics - Highest sensitivity, reduced per sample cost”</i>	Dr. Neil Winegarden
09:30am-09:50am	<i>“Single cell RNA sequencing analysis of human memory B cells in allergy”</i>	Dr. Josh Koenig
09:50am-10:10am	<i>“Integrated single-cell approaches to dissect cancer and other disease”</i>	Alberto Torrez
10:10am-10:30am	<i>“High-Dimensional Immune Profiling of Long-COVID Patients Using a 30-Colour Flow Cytometry Panel on the Cytex Aurora”</i>	Liz Balint
10:30am-11:00am	Coffee Break	
11:00am-11:15am	Session introduction: Spatial Profiling and Multiview Learning	Jamie McNicol
11:15am-11:35am	<i>“MIBI-TOF to characterize changes in the complex tumor microenvironment of pancreatic ductal adenocarcinoma treated with combination immunotherapy in a humanized mouse model”</i>	Dr. Maria Davola
11:35am-11:55am	<i>“The Future of Spatial and In Situ Genomics Technology”</i>	Dr. Martin Karam
11:55am-12:15pm	<i>“Spatial Transcriptomics: Its application in liver cancer and fibrosis study”</i>	Dr. Dongdong Wang
12:15pm-12:35pm	<i>“Introducing Stereo-seq: Redefining What’s Possible in Spatial Transcriptomics”</i>	Dr. Yongfu Wang
12:35pm-01:35pm	Lunch	
01:35pm-01:40pm	Session introduction: Genomics	Dr. Guillaume Pare
01:40pm-01:55pm	Facility Spotlight: CRLB-GMEL	Reina Ditta Tara Bryce
01:55pm-02:15pm	<i>“From Sequence to Solution: Empowering Multiomic Breakthroughs”</i>	Dr. Lisa Lock
02:15pm-02:35pm	<i>“Whole exome sequencing to measure the influence of rare coding variants on complex traits”</i>	Dr. Nazia Pathan
02:35pm-02:55pm	<i>“Transposase-based Tools for Scalable Sequencing Workflows”</i>	Dr. Joe Mellor
02:55pm-03:15pm	<i>“Detecting microbial engraftment after FMT using placebo sequencing and culture enriched metagenomics”</i>	Dr. Shahrokh Shekarriz
03:15pm-03:30pm	Coffee Break	
03:30pm-04:15pm	Fireside Chat	Dr. Jonathan Bramson
04:15pm-04:30pm	Closing remarks and Thanks. Winners’ announcement	Dr. Jonathan Bramson Pauline Fung
04:30pm-06:00pm	Networking - Complementary Wine and Cheese	

Special Thanks to :



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geXc McMaster Symposium: Speakers



Alberto Torrez

Research Lab Technician, Han Lab, Dept of Biochemistry and Biomedical Sciences, McMaster University



Dr. Maria Davola

Research Associate, McMaster University



Christine Mader

Lab Manager, McMaster Genomics Facility



Dr. Martin Karam

Account Manager, 10x Genomics



Dr. Dongdong Wang

Assistant Professor, Centre for Metabolism, Obesity and Diabetes Research; Dept. of Medicine, McMaster University



Dr. Nazia Pathan

Post Doctoral Fellow, McMaster University



Jamie McNicol

Technical Director, Spatial Proteomics and Transcriptomics Lab., McMaster University



Dr. Neil Winegarden

Senior Staff FAS, 10x Genomics



Dr. Joe Mellor

Chief Scientific Officer and Co-Founder, SeqWell



Reina Ditta

Academic and Research Development Manager, CRLB-GMEL, Hamilton Health Sciences



Dr. Josh Koenig

Assistant Professor, Schroeder Allergy and Immunology Research Institute, Dept. of Medicine, McMaster University



Dr. Shahrokh Shekarriz

Postdoctoral Fellow, Surette Lab, Farncombe Inst., McMaster, Mitacs Fellow, Taylored Biotherapeutics; Senior Bioinformatician, eDNAtch



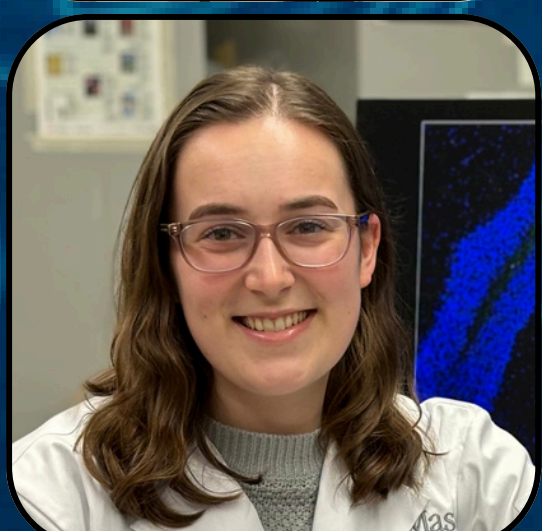
Dr. Lisa Lock

Senior Genomics Specialist, Illumina



Tara Bryce

Operations Manager, CRLB-GMEL, Hamilton Health Sciences



Liz Balint

PhD Candidate, McMaster Immunology Research Centre



Dr. Yongfu Wang

Senior Manager of Field and Sales Support, Complete Genomics

geXc McMaster Symposium

Unlocking the secret lives of cells using McMaster's multiomics platforms

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