

## SBI<sup>2</sup> Regional High Content Meeting - Toronto 2017

### Day 1: Monday June 12 at Princess Margaret Cancer Centre

Time	Event	Speaker	Title
8:30	Registration, coffee and refreshments		
9:00	Opening Remarks for Day 1		
9:05	Session 1	Mojca Mattiazzi Usaj	<i>Exploring the endocytic pathway on a global scale</i>
9:30		Victor Gordon	<i>Characterizing mechanisms of Wnt regulation through high content screening of a novel Tcf/Lef reporter cell line</i>
9:55		Yeji An	<i>A Novel Mouse Model for Invasive Lobular Carcinoma: Platform for Drug Screening</i>
10:20	Break		
10:45	Session 2	Ashley Hickman	<i>A Novel Screening Probe to Identify Regulators of Short Half-life Proteins</i>
11:10		Johnny Tkach	<i>Investigating G1 cell cycle arrest induced by abnormal centriole number</i>
11:35		Olivier Dery	<i>A novel image cytometric analysis method for T cell mediated cytotoxicity of 3D tumor spheroids</i>
12:00	Lunch		
12:45	Session 3	Nehad Hirmiz	<i>FLIM FRET High Content Screening Methods for Quantifying Protein-Protein Binding Constants</i>
13:05		Santosh Hariharan	<i>Automated segmentation-free phenotyping of multichannel 3D image datasets</i>
13:30		Oren Kraus	<i>Automated analysis of high-content microscopy data with deep learning</i>
13:55		Misha Bashkurov	<i>Analysis of Primary Cilia Biogenesis</i>
14:20	Break		
14:40	Session 4	Christian Tardif	<i>Design, development and characterization of a new FLIM-hyperspectral instrument for quantitative high content screening</i>
15:05		Ray Truant	<i>HCA and Advanced Imaging Technology Defines Defective DNA Oxidative Repair as the Trigger of Huntington's disease, and a Small Molecule Therapy</i>
15:55	Closing Remarks for Day 1		

### Day 2: Tuesday June 13 at Sunnybrook Research Institute

Time	Event	Speaker	Title
8:30	Arrival, coffee and refreshments		
9:00	Opening Remarks for Day 2		
9:05	Session 1	David Andrews	<i>Philosophy of HCA</i>
9:45		Joe Trask	<i>HCI Assay Development Considerations</i>
10:20	Break		
10:45	Session 2	Qiyin Fang	<i>Multiplexing FLIM for High Content Screening Applications</i>
11:10		Jarkko Ylanko	<i>HCA for precision medicine</i>
11:35		Steven Straub	<i>Advancing Phenotypic Screening with the Opera Phenix – Technology and Application Overview</i>
12:00	Lunch		
13:00	Instrument demonstrations in High Content Cell Analysis Lab		
15:50	Closing Remarks for Day 2		