



美洲華人生物科學學會  
Society of Chinese Bioscientists in America



## Society of Chinese Bioscientists in America (SCBA) and Chinese Biological Investigators Society (CBIS) Toronto Chapter

### 2025 Scientific Symposium Program: Frontiers in Biomedical science and technology innovation

Friday, February 07, 2025

Location: Auditorium, St. Michael's Hospital Li Ka Shing Knowledge Institute; 209 Victoria street, Toronto, ON M5B 1T8

### PROGRAM

- 8:30 a.m.**                    **Registration & Presentation (ppt) set up**
- Light Breakfast – first-come, first-served*
- 9:00 a.m.**                    **Symposium Opening**  
Housheng Hansen He, PhD, President, SCBA Toronto chapter  
*Land acknowledgement, Opening remarks*  
Ori Rotstein, M.D., Vice President, St. Michael's Hospital of Unity Health Toronto
- (Introduce by Haibo Zhang)  
*Welcome remarks, Welcome to the 2025 Annual Symposium*
- 9:15 a.m.**                    **Session I - Cancer Biology - Gang Zheng, Jady Liang**
- 9:15 a.m.                    **Fei-Fei Liu, MD, CIHR**  
*"Strategies in Cancer Research Investments in Canada"*
- 9:35 a.m.                    **Kelsie Thu, PhD, St. Michael's Hospital of Unity Health Toronto**  
*"Exploring the therapeutic potential of CD47 in non-small cell lung cancer"*
- 9:55 a.m.                    **Ming Tsao, MD, Princess Margaret Cancer Centre**  
*"The last holdout in curing lung cancer"*
- 10:15 a.m.                    **Lillian Siu, MD, Princess Margaret Cancer Centre**  
*"Marathon of Hope Cancer Centres Network"*
- 10:35 a.m -10:45**        **Break**
- 10:45 a.m -12:30**        **Session II - Pharmacology and Therapeutics - Tianru Jin, Qi Yang**
- 10:45 a.m.                    **Hong-Shuo Sun, MD, PhD, University of Toronto**  
*"Marine Compounds in Neuroprotective Drug Development"*
- 11:05 a.m.                    **James Rutka, MD, PhD, The Hospital for Sick Children**  
*"Utility of MR-guided focused ultrasound in breaking down the blood-brain barrier for neurosurgical diseases"*
- 11:25 a.m.                    **Chao Zheng, PhD, University of Toronto**  
*"Seeing Brain Function: New PET imaging Probes to Explore Neurological Diseases"*
- 11:45 a.m.                    **Daniel Drucker, MD, Lunenfeld-Tanenbaum Research Institute Mount Sinai Hospital**



*“Evolution of GLP-1 medicines for improving human health”*

**12:30 - 1:30 p.m. Lunch break**

*Lunch buffet will be provided for speakers and registered attendees*

**1:30-2:50 p.m. Session III - Cardiovascular Disease - Zhong-Ping Feng, Maria Yang**

1:30 p.m. **Peter Liu, MD, University of Ottawa**

*“Link between Immunity and Metabolism in Heart Failure”*

1:50 p.m. **Anthony Gramolini, PhD, Ted Rogers Centre for Heart Research (physiology)**

*“Our progress with mass spectrometry based discoveries using human biobanked heart failure tissues”*

2:10 p.m. **Scott Heximer, PhD, University of Toronto**

*“Don’t you forget about me”: The Search for Fibrosis Targets in the Remote Myocardium*

2:30 p.m. **Ren-ke Li, MD, PhD, Toronto General Hospital**

*“Young stem cells rejuvenate aged tissues to restore repair capacity”*

**2:50 - 3:00 p.m. Break**

**3:00 - 4:00 p.m. Trainee Rapid Fire presentation (Presentation award)- Shirley Wu, Xinyang Zhang**

**4:00 - 5:00 p.m. Session IV - Technology Innovation - Yi Sheng, Lin Yang**

4:00 p.m. **Jim Hu, PhD, The Hospital for Sick Children**

*“Delivery of gene editors”*

4:20 p.m. **Hong Han, PhD, McMaster University**

*“Integrated single-cell approaches to dissect multilayer cell fate control in development and cancer”*

4:40 p.m. **Marcelo Cypel, MD, Toronto General Hospital**

*“Use of new technology to resuscitate old concepts in lung transplantation and cancer”*

**5:00 - 5:15 p.m. 2024/2025 Paper Award presentation- Burton Yang, Xi Yang**

**5:15 - 5:20 p.m. Closing remarks: Housheng Hansen He, PhD, President, SCBA Toronto Chapter**



## **DINNER SESSION (6:00-9:30pm, February 7, 2025)**

**Venu:** Dim Sum King Restaurant  
421 Dundas St W 3rd floor, Toronto, ON M5T 2W4

**Parking:** Green P Parking  
40 Larch St, Toronto, ON M5T 3J6

**Hosts:** Jim Hu, Jady Liang; Zhong-Ping Feng, Qi Yang

- 6:00-6:30 p.m.**      **Registration and Seating**
- 6:30p.m.**          **Dinner Opening**
- 7:00 p.m.**          **Award ceremony**  
Facilitators: Burton Yang & Mingyao Liu  
Paper Award presenters: Tak-Mak & Lillian Siu; Bradly Wouters & Marianne Koritzinsky; Ori Rotstein  
Trainee Presentation Award presenters: Peter Liu, Fei-Fei Liu
- 7:30 p.m.**          **Entertainment Program**
- 8:00 p.m.**          **Networking session**
- 9:00 p.m.**          **Prize Draw**
- 9:30 p.m.**          **Closing & Group photo**

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