

# 5th ISMINS Educational Meeting

“From Biology to Technology:  
A Global Approach to Minimal Invasiveness and Function Preservation in Neurosurgery”

and

## 19th Annual Interventional Neuroradiology Symposium



### September 27–30, 2018

Peter Gilgan Centre for Research and Learning  
Toronto, Ontario, Canada  
[www.INRsymposium.ca](http://www.INRsymposium.ca)

Program Director INR Symposium  
and Neurovascular Workshop:

Timo Krings MD, PhD, FRCPC;

ISMINS Program Directors:

Ivan Radovanovic MD PhD;  
Michael Tymianski CM MD PhD FRCSC FAHA;

Organizing Committee:

Ronit Agid MD FRCPC;  
Vitor Pereira MD MSc FRCPC;  
Manohar Shroff MD DMRD FRCPC;



Endorsed by:



# Venue Toronto



**SickKids**

PETER GILGAN  
CENTRE FOR RESEARCH  
AND LEARNING

# Confirmed Speakers

## 5th ISMINS Educational Meeting

### International Faculty

Michael Lawton  
William Couldwell  
Kentaro Mori  
Jeachan Park  
Yoko Kato  
Nima Etminan  
Amir Dehdashti  
Philippe Bijlenga  
David Hasan  
Ryoko Akagami  
Paul Gardner  
Christian Matula  
Juan Fernandez Miranda

Sebastien Froelich  
Luca Regli  
Bruce Pollock  
Miikka Vikkula  
Juhana Frosen



### Local Faculty

Fred Gentili  
Andres Lozano  
Mojgan Hodaie  
Michael Tymianski  
Suneil Kalia  
Paul Kongkham  
Vivek Bodani  
JP Almeida  
John Rutka  
Ivan Radovanovic



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# Topics

- Keyhole approaches for aneurysms and tumors
- Microkehole approaches
- CP angle and Brain Stem approaches for vestibular schwannomas, meningiomas, cavernous malformations
- Endoscopic Endonasal Approaches for meningiomas, chordomas, craniopharyngiomas and pituitary adenomas
- Advances in imaging tractography
- Robotics and augmented reality
- Basic sciences and targeted therapies in aneurysms, avms and tumors
- Lasers and focused ultrasounds