



46TH ANNUAL SHIELDS RESEARCH DAY

MAY 2ND, 2025, FROM 7:30 AM – 3:45 PM ET

DEPARTMENT OF ANESTHESIOLOGY & PAIN MEDICINE

TEMERTY FACULTY OF MEDICINE

UNIVERSITY OF TORONTO

PARK HYATT TORONTO

BALLROOM, 2ND FLOOR

4 AVENUE RD,

TORONTO, ON

M5R 2E8

PROGRAM

Registration and Breakfast	7:30 – 8:00 AM
----------------------------	----------------

Welcome, Opening Remarks and Land Acknowledgment	8:00 – 8:20 AM
--	----------------

Dr. Yasmine Hoydonckx, Chair, Shields Planning Committee

Dr. Lisa Robinson, Dean, Temerty Faculty of Medicine

Dr. Beverley Orser, Chair, Department of Anesthesiology & Pain Medicine

Dr. Brian Cuthbertson, Vice-Chair of Research, Department of
Anesthesiology & Pain Medicine

Faculty Awards - Education and Clinical Excellence	8:20 – 8:40 AM
--	----------------

Teaching Awards

Dr. Ahtsham Niazi, Vice Chair of Education, Department of Anesthesiology &
Pain Medicine

Clinical Excellence Awards

Dr. Keyvan Karkouti, Vice Chair of Clinical Affairs, Department of
Anesthesiology & Pain Medicine

Oral Presentation Session A	8:40 – 9:30 AM
-----------------------------	----------------

AM Break & Poster Presentation Session	9:30 – 10:20 AM
--	-----------------

Oral Presentation Session B	10:20 – 11:10 AM
-----------------------------	------------------

Shields Day Lecture: Dr. Sean Mackey	11:10 AM – 12:10 PM
--------------------------------------	---------------------

Title: Decoding Pain: Mechanisms, Biomarkers, and Clinical Empowerment

Learning Objectives:

- Explain the role of brain mechanisms—including emotional and cognitive processes—in shaping chronic pain experiences and their implications for clinical assessment and treatment.
 - Evaluate the current state and future promise of pain biomarkers, including neuroimaging, multiomics, and digital phenotyping, in guiding diagnosis and personalized pain therapies.
-

<ul style="list-style-type: none"> Describe how real-world data and learning health systems can be leveraged to accelerate discovery, improve outcomes, and implement precision pain care in routine clinical practice. 	
LUNCH	12:10 – 1:10 PM
Oral Presentation Session C	1:10 – 2:00 PM
Anesthesia Faculty Lecture: Dr. James Khan <i>"Beyond the Operating Room: Tackling the Hidden Epidemic of Chronic Post-Surgical Pain"</i> Learning Objectives: <ul style="list-style-type: none"> Learn about the definition, burden, and potential mechanisms behind chronic post-surgical pain Learn about the latest advances in preventing chronic post-surgical pain Learn about recommended future directions 	2:00 – 2:20 PM
Shields Day Awards- Trainees <ul style="list-style-type: none"> Oral and Poster Presentations <ul style="list-style-type: none"> Presented by Dr. Yasmine Hoydonckx Staff Teaching Awards <ul style="list-style-type: none"> Presented by Dr. Eric-You Ten Trainee Education Awards – Alan K. Laws Travel, Thomas Hammel, Evelyn Bateman and Arthur Scott Award <ul style="list-style-type: none"> Presented by Dr. Eric-You Ten Trainee Research Award - Alan W. Conn Graduate Award <ul style="list-style-type: none"> Presented by Dr. Eric-You Ten 	2:20 – 2:40 PM
Closing Remarks Dr. Yasmine Hoydonckx, Chair, Shields Planning Committee	2:40 – 2:45 PM
New Anesthesia Insights: Networking and Knowledge Exchange Open to all faculty and trainees attending conference	2:45 – 3:45 PM