



APRIL 24, 2018

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MESSAGE FROM THE CHAIR



I am looking forward greatly to the **Macallum Lecture and the FIP Keynote Lectures** to be delivered next week by **Dr. Mona Nemer**, Canada's Chief Science Advisor. Dr. Nemer is a distinguished medical researcher whose focus has been on the heart, particularly on the mechanisms of heart failure and congenital heart diseases. As Canada's Chief Science Advisor, Dr. Nemer represents Canadian science and research, and provides impartial scientific advice to the Prime Minister and the Minister of Science. One of her key mandates is to keep government science accessible and public.

Please ensure the following two lectures are firmly in your calendars:

Macallum Lecture: Thursday May 3th, 3 pm, Mount Sinai Hospital Auditorium.
Reception to follow. [More information](#)

Frontiers in Physiology (FIP) Keynote Lecture: Friday May 4th, 11:00 am, MaRS Auditorium. [More information \(FIP\)](#).

Hope to see all members of the department at these two important and very exciting events.

See below for more details.

Best wishes,

Graham

PHYSIOLOGY's MACALLUM LECTURE – Thursday May 3rd

Time	Description	Location
3 PM – 4 PM	Dr. Mona Nemer <i>"Genetic Basis of Valve Disease"</i>	Mount Sinai Hospital, Ben Sadowski Auditorium 18th Floor, 600 University Ave
4 PM – 5 PM	Reception	Hennick Family Wellness Gallery, Mount Sinai Hospital, Ground floor

2018 Archibald Byron Macallum Lecture


Dr. Mona Nemer
Chief Science Advisor
Government of Canada

Genetic Basis of Valve Disease


Thursday, May 3, 2018
3 to 4 PM


Mount Sinai Hospital
Ben Sadowski Auditorium 18th Floor, 600 University Ave.

Reception to follow in the Hennick Family Wellness Gallery
(main floor of Mount Sinai Hospital)




FIP Keynote Lecture – Friday May 4th

Time	Description	Location
11:00 AM – 12:10 PM	Dr. Mona Nemer <i>"A Journey From Discovery Science To Science Policy"</i>	MaRS Auditorium, lower level, 101 College St.
12:15 - 12:20 PM	Departmental Photo 	MaRS Lobby



FRONTIERS IN PHYSIOLOGY

38TH ANNUAL CONFERENCE



ARCHIBALD BYRON
MACALLUM LECTURESHIP
MAY 3RD, 2018
3:00 PM - 4:00 PM
MOUNT SINAI HOSPITAL
AUDITORIUM | 18TH FLOOR


KEYNOTE SPEAKER

Dr. Mona Nemer
Canada's Chief Science Advisor

Dr. Mona Nemer is Canada's Chief Science Advisor, and a past Professor, Vice-President, Research, and Director of the Molecular Genetics and Cardiac Regeneration Laboratory at the University of Ottawa.

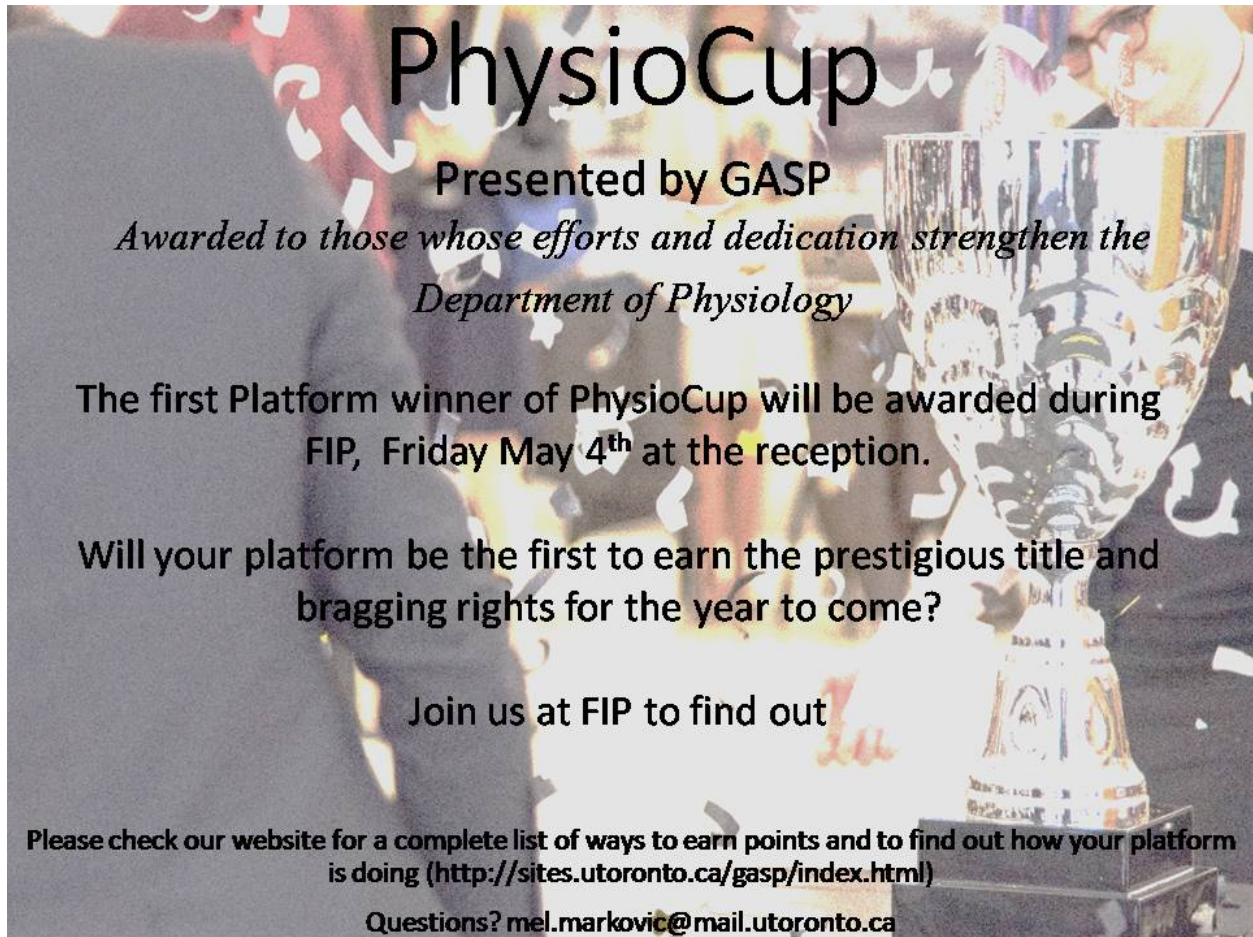
Her research focused on the mechanisms of heart failure and congenital heart diseases, contributing to the development of diagnostic tests for heart failure and the genetics of cardiac birth defects.

KEYNOTE LECTURE:
FRONTIERS IN PHYSIOLOGY
MAY 4TH, 2018
11:00 AM - 12:00 PM
MaRS AUDITORIUM | LOWER LEVEL



Physiology
UNIVERSITY OF TORONTO

See [LINK](#) for all the exciting FIP details!

A large, ornate silver trophy is the central focus, surrounded by falling white confetti. The background is a blurred image of people in a celebratory setting.

PhysioCup

Presented by GASP

*Awarded to those whose efforts and dedication strengthen the
Department of Physiology*

The first Platform winner of PhysioCup will be awarded during
FIP, Friday May 4th at the reception.

Will your platform be the first to earn the prestigious title and
bragging rights for the year to come?

Join us at FIP to find out

Please check our website for a complete list of ways to earn points and to find out how your platform
is doing (<http://sites.utoronto.ca/gasp/index.html>)

Questions? mel.markovic@mail.utoronto.ca

HONOURS & AWARDS



Congratulations to **Winston Li (MSc Student, Orser lab)** on receipt of a 2018-2019 CIHR Frederick Banting and Charles Best Canada Graduate Scholarship Master's Award for his project entitled: Ketamine prevents post-anesthetic cognitive deficits by reducing persistent hyperactivity of extrasynaptic gamma-aminobutyric acid type-A receptors

PHYSIOLOGY SEMINAR SERIES

~ Eligible for PSL1000H/PSL2000H Course Seminar Attendance ~

Simon Alford, PhD
Sweeney Professor of Basic Sciences
& Head Department of Anatomy and Cell Biology
University of Illinois at Chicago College of Medicine

Title: *"Probability and transient fusion in the synapse and the control of behaviour"*

Date: Thursday, April 26th, 2018

Time: 4 p.m.

Location: Medical Sciences Building, Room #2170

Host: Neuroscience Platform



Department of Physiology Seminar Series
www.physiology.utoronto.ca

PSL THURSDAY SEMINAR SERIES

Title: Probability and transient fusion in the synapse and the control of behaviour

Simon Alford, PhD
Sweeney Professor of Basic Sciences and
Head Department of Anatomy and Cell Biology
University of Illinois at Chicago College of Medicine

Thursday, April 26, 2018
4:00 p.m. - 5:00 p.m.
Medical Sciences Building, Room 2170
1 King's College Circle
University of Toronto

Hosted by: Neuroscience Platform

Eligible for the 1000/2000 Seminars in Physiology Course

A reminder that all upcoming seminars are posted on Physiology's Home Page: www.physiology.utoronto.ca

PHYSIOLOGY & CPIN Distinguished Lecture



Speaker | **Dr. John Isaac**, Senior Director, Neuroscience, J&J London Innovation Centre, London, UK; Adjunct Professor, Department of Physiology, U of T

Title | *TBA*

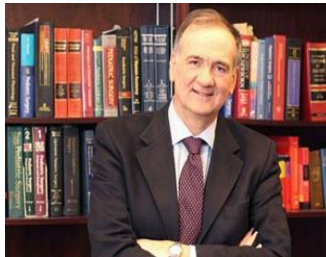
Date | **Monday, June 4, 2018**

Time | 12:00 pm

Location | Rm. 2172, Medical Sciences Building, 1 King's College Circle, U of T

Host | Dr. Graham Collingridge, Chair, Department of Physiology, U of T

NEW FACULTY MEMBER



We are delighted to introduce you to **Dr. Agostino Pierro** who joined Physiology as a status-only member effective April 1st, 2018.

Dr. Pierro joined the Hospital for Sick Children and The University of Toronto as Professor of Surgery and Division Chief of Pediatric Surgery and a Senior Associate Scientist in May 2013. His previous position was the Nuffield Professor of Paediatric Surgery and Head of Surgery unit at Great Ormond Street Hospital and University College London, Institute of Child Health, London, UK.

Dr. Pierro is an internationally recognized pediatric surgeon with expertise and a research interest in Neonatal Intestinal Disorders Requiring Surgery. His clinical interest is in neonatal, pancreatic, minimally invasive surgery and neuroblastoma surgery. He is affiliated with multiple prestigious medical and Scientific societies, which includes holding a Fellowship ad Eundem from the Royal College of Surgeons of England (FRCS Eng) in addition to Honorary Fellowship from Royal College of Surgeons of Edinburgh (FRCS Ed) to name a few. He is also the Co-Editor in Chief of the Paediatric Surgery International journal.

Dr. Pierro has over 410 publications including peer reviewed articles, books and book chapters and has been a visiting professor and an invited speaker to more than 240 institutions globally. His Research Program has received continuous support by competitive grants including the most recent Canadian Health Research Institute Foundation Grant.

More recently, Dr Pierro has been privileged to have been appointed an honorary Officer of the Most Excellent Order of the British Empire (OBE). This honour was conferred by Her Majesty Queen Elizabeth II in 2016 in recognition of services to medicine and charity

Dr. Pierro will be participating in the activities of the Endocrine and Diabetes Research Platform. Email: agostino.pierro@sickkids.ca

GASP News

On Friday, May 6th, the Department hosted its first annual open house event for interested and newly accepted graduate students. The purpose was to give an overview of the Physiology Department's graduate program, as well as each platforms' general research areas. The Karolinska Exchange, the Graduate Professional Development Program, the direct entry PhD program, GASP, PhysioCup, DoPTSS, and FIP were some of the all highlighted features. Following this, the graduate coordinators (Drs Feng and Tweed) talked about scholarships and academic matters, and the platform heads (Drs Jurisicova, Gramolini, Prescott, and Wheeler) gave a wonderful overview on the research being done in each platform. After the students learned what great things the Physiology Department had to offer, they were allowed to openly network with the current graduate students and faculty that were present at the open house. A special thanks to Dr. Lu-Yang Wang, Rosalie Pang, and Jenny Katsoulakos.

Melanie Markovic
GASP President
PhD candidate, Brubaker lab

9th ANNUAL PHYSIOLOGY DAY – Update

On Thursday, April 12th, 80 high school students visited the Department of Physiology to partake in the 9th annual Physiology Day event. Organized by graduate student Ashkan Salehi, the event allowed students from 8 high schools across the GTA to perform interactive labs. Students isolated their own DNA, performed a “DNA crime-scene” investigation, and studied the effect of exercise on their respiratory and cardiovascular systems. During lunch, Drs. Belsham, Horner, Wittnich, Brubaker and French joined the students for a Q&A session. The event was a great success, with attendants requesting an increase in number of admissions for next year’s event.

9th Annual Physiology Day



A sincere **THANK YOU** is extended to participating faculty, as well as graduate students Melanie Markovic, Frances Wong, Neemat Mahmud, Tao Wang, Winston Li, Jessie Lim, Josiane Mapplebeck, Shelly Chauhan, Sridevi Venkatesan and Amy Xu. Lastly, thank you to Division Teaching Laboratories, Let's Talk Science (Sandhya Mylabathula), and administrative personnel for making this day possible.

Ashkan Salehi

GASP Science Outreach Coordinator &
MSc Trainee, Belsham Lab

We want to hear about the great things happening in Physiology.

Please share your accomplishments, awards...

Send news items to the Chair's Office

c/o e.katsoulakos@utoronto.ca