

COSC 2018 Newsletter



COSC 2018 in Edmonton



Conference organiser: Dr. Arno Siraki (centre) and trainees, Faculty of Pharmacy and Pharmaceutical Sciences (FoPPS), University of Alberta.

The Canadian Oxidative Stress Consortium held its 10th Scientific Meeting this past summer at the University of Alberta in Edmonton. **Dr Arno Siraki** did an outstanding job of making the meeting a resounding. In addition, thanks to the local organizing and scientific committee: Elaine Leslie (Physiology), Lynne Postovit (Oncology), Andrew Morgan (PhD student), John Seubert and Ayman El-Kadi (FoPPS), and Dinesh Babu (PDF). Amir Tabatabaei (PhD student) did a great job creating posters for advertising. There were about 80 attendees from Canada and the U.S.A. covering diverse areas in oxidative stress research. There were two sessions dedicated to trainees who gave eleven talks, in addition to poster sessions.



A special word of thanks to **Bev Berekoff** (left) for

her excellent assistance with meeting planning and to her team of delightful helpers at the registration desk.

Several members of the COSC executive committee assisted with the meeting planning: Drs. Diana Averill-Bates, Bill Willmore, Chris Perry, Scott Ryan and Jim Uniacke.



Dr. Bill Willmore did a great job managing the COSC website (<https://carleton.ca/cosc/>) and conference registrations. Here, Bill talks to us about Nrf1 at the crossroads of stress responses.



In addition, thanks to our talented photographer: **Dr. David Josephy** (right)! With Arno and Dr. Siegfried Hekimi (centre). Here is the link for David's photos on Google drive: <https://drive.google.com/drive/folders/19pXIIUsT-kZxQM3JG8T3nvrbcpoW2Lml?usp=sharing>

Three international keynote speakers enriched our meeting with their enlightening lectures.



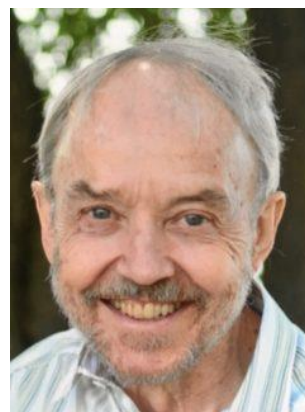
Dr. Christine Winterbourn (University of Otago) came all the way from New Zealand and talked to us about Neutrophils, HOCl and the battle against bacterial infection.



Dr. Koichiro Tsuchiya (Tokushima University, Japan) also came from far away and spoke about the physiological effects of nitric oxide.



Dr. Marc Fariss from ToxSynergy (U.S.A.) talked about the protective role of mitochondrial vitamin E in toxic oxidative stress.



Professor Peter J. O'Brien – One of the Pillars of Oxidative Stress (1937-2017)

A special symposium entitled “Oxidative stress and Toxicology” was devoted to **Professor Peter O'Brien** and close members of his family attended. **Dr. Arno Siraki** chaired the symposium and gave a former PhD student's perspective of Peter O'Brien as an exceptional mentor and a historical breakdown of his life and scientific career. As Arno said: “It is quite challenging to describe Peter John O'Brien, as he had accomplished so much in his life.” Peter once told Arno “You never stop supervising your students...even after they leave you're still supervising them!” Peter O'Brien was one of the founding members when Dr. Ashok Grover initiated COSC in July 1999.

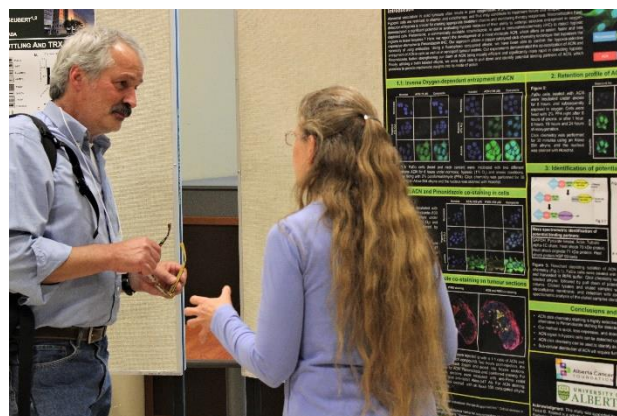
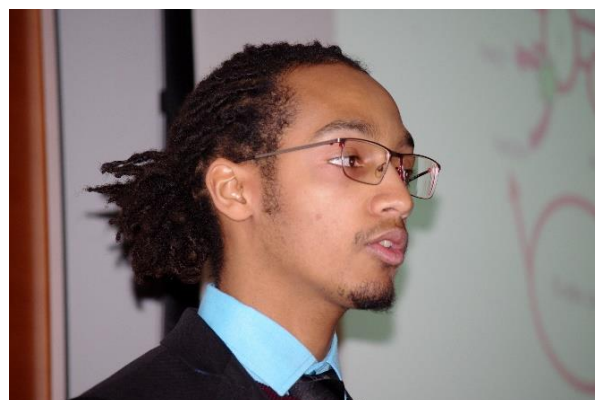
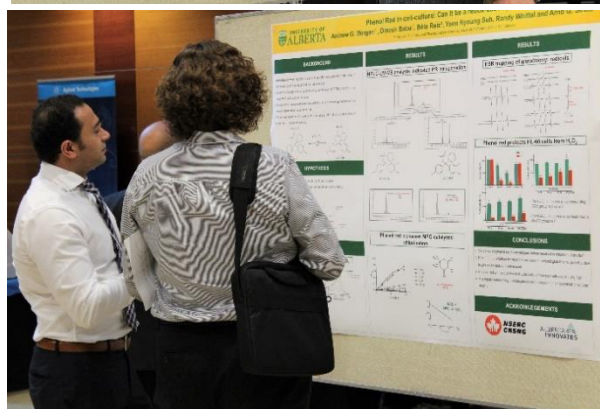
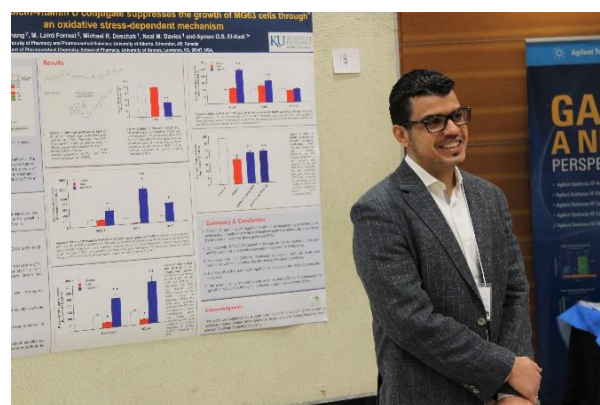
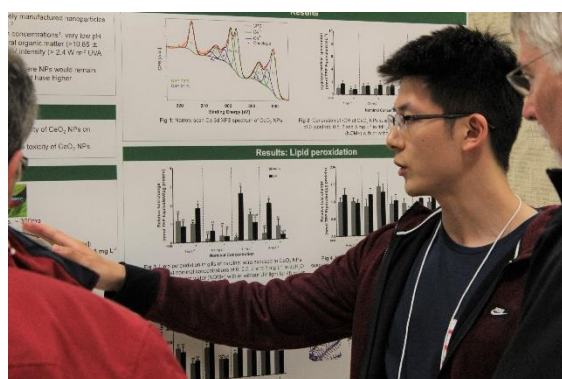


Dr. Ryan Mailloux, a new COSC faculty member from the Eastern tip of Canada – St John's, Newfoundland. Ryan talked about the function of mitochondrial redox switches in the modulation of metabolism and ROS production.

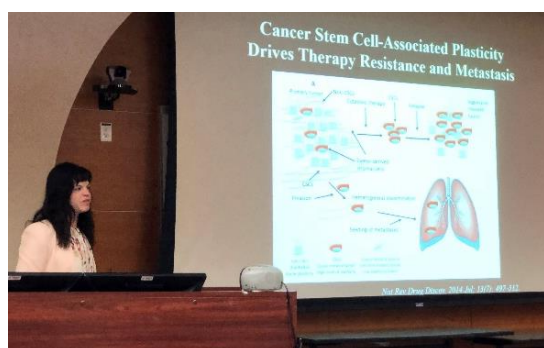
Training tomorrow's Scientific Leaders:

More than a dozen trainees received COSC travel awards and oral and poster presentation prizes. Congratulations to our awardees.

First Name	Last Name	Award type
Adrian	Young	Travel Award
Nagakannan	Pandian	Travel Award
Navid	Koleini	Travel Award
Rowida	Mohamed	Travel Award
Edouard	Charlebois	Travel Award
Ahmed	Essa	Oral Presentation
Zaid	Almaayah	Oral Presentation
Jonathan	Lee	Oral Presentation
Dinesh	Babu	Oral Presentation
Navid	Koleini	Poster Presentation
Andrew	Morgan	Poster Presentation
Edouard	Charlebois	Poster Presentation
Adrian	Young	Poster Presentation



Dr. Willem Wildering discusses posters with trainees.



Dr. Lynne-Marie Postovit (Local Organizing Committee): Oxygen as a regulator of the genome.



Dr. Alain Nepveu delivers a talk about ROS and repair of oxidative DNA damage in cancer cells.



Dr. Nathalie Grandvaux: Regulation of interferon-mediated antiviral defense and redox modifications of signaling proteins.

COSC 2020 ???



Dr. Arno Siraki (left), **Dr. Christine Winterbourn** (middle) and **Dr. Diana Averill-Bates** (right).

2018 Meeting Sponsors



On behalf of the COSC executive committee, we hope to see you at our 11th COSC meeting in the summer of **2020 in Montréal!**

