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A Message from the President

I miss the days when a **Vision was something bold and virtually unachievable** but we strived for it anyway. Said US President John F. Kennedy in September 1962 at Rice University:

“We choose to go to the moon and do other things, not because they

are easy but because they are hard....But if I were to say, my fellow citizens, that we shall send to the moon, 240,000 miles away from the control station in Houston, a giant rocket more than 300 feet tall, the length of this football field, made of new metal alloys, some of which have not yet been invented, capable of standing heat and stresses several times more than have ever been experienced, fitted together with a precision better than the finest watch, carrying all the equipment needed for propulsion, guidance, control, communications, food and survival, on an untried mission, to an unknown celestial body, and then return it safely to Earth, re-entering the atmosphere at speeds of over 25,000 miles per hour, causing heat about half that of the temperature of the sun...and do all this, and do it right, and do it first before this decade is out — then we must be bold.”

And they did it. In July 1969 they landed on the moon. Less than 7 years from the date of that famous speech. We can accomplish much more than we think we can. What should CSPT's next Moonshot's be?

For me, as I began my tenure as President, it seemed critical to envision that CSPT hold scientific meetings that are revenue neutral - that the Society not spend its savings to hold a meeting. We did that in September, adding

\$10,000 to CSPT's accounts. We are using these funds to support trainees to attend the IUPHAR meeting in Glasgow this summer.

As I begin my tenure as Immediate Past President, I envision a Society that grows by 10-20% per year in Clinical Pharmacology membership for each of my two years I am in this position.

Maybe these are mini Moonshots, but they are goals I set for myself to ensure I am always striving to do more than just manage day to day operations. But as a Society, there is room for lots of Moonshots - from many members. All you need is a vision and some thoughts about how to bring people into it. Do this by valuing the people who can help and create with them a vision.

What do you envision for CSPT? What Moonshots should we attempt? Be bold.

I look forward to hearing from you

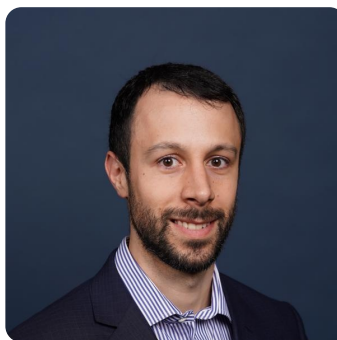
Bruce Carleton, President
Canadian Society of Pharmacology & Therapeutics

bcarleton@popi.ubc.ca



CSPT 2023 Virtual Meeting

An interview with Scientific Program Committee Chair Thomas Velenosi



Can you describe the format/structure of this year's meeting? How does it compare to years past?

The format for this year's meeting will be entirely virtual over 2

days, June 7 and 8th 2023. Each day will consist of 4 hours of programming with a lunch break. The meeting will be similar to our 2020 and 2021 virtual meeting, with a focus on trainee research as well as award presentations by clinical and postdoctoral fellows, and junior and senior investigators.

Where can our members find out more about the meeting?

Details for this year's meeting can be found at <https://pharmacologycanada.org/2023/> Abstract submission are currently open and the deadline is April 3! The abstract submission page contains format guidelines as well as tips to help write a great abstract.

What should our readers expect for this

year's CSPT meeting?

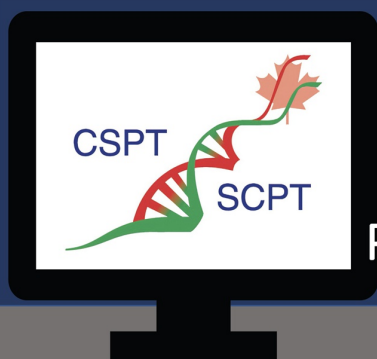
This year's meeting is trainee focused and includes a top trainee abstract oral presentation session and rapid fire presentation session on the first day. In the evening, there will be a Career session and Pharmacology Kahoots Trivia!

What are you looking forward to most at the meeting?

I'm most looking forward to the oral and rapid fire trainee presentations. It's always great to see the cutting-edge research being performed by our trainees across the country!

What kind of audience do you hope to reach? Are there any plans for expanding and reaching a broader audience?

With the accessibility of a virtual conference, we are hoping to reach pharmacologists as well as the broader audience of researchers that are conducting pharmacology related work. For researchers that have just joined or are considering joining the CSPT, this is an excellent first meeting to connect and we look forward to learning about your research. Come check us out!



The 2023 Annual Meeting
of the
Canadian Society of
Pharmacology and Therapeutics

June 7 & 8, 2023

Join us for a trainee-focused virtual meeting

Preliminary Conference Agenda

WEDNESDAY, JUNE 07, 2023

Pacific Time	Mountain Time	Central Time	Eastern Time	Atlantic Time	
8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	Welcome (Bruce Carleton, President CSPT)
8:10 AM	9:10 AM	10:10 AM	11:10 AM	12:10 AM	Top Trainee Abstracts Oral Presentations
10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	Break and Poster Viewing
11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	Rapid Fire Presentations
1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	Break
2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	Career Session

THURSDAY, JUNE 08, 2023

Pacific Time	Mountain Time	Central Time	Eastern Time	Atlantic Time	
8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	Junior Investigator Award Platform Presentation
8:30 AM	9:30 AM	10:30 AM	11:30 AM	12:30 AM	Senior Investigator Award Platform Presentation
9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	Clinical Pharmacology Case Studies
10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	Break and Poster Viewing
11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	Clinical Fellow and Postdoctoral Fellow Award Platform Presentations
11:40 AM	12:40 PM	1:40 PM	2:40 PM	3:40 PM	Annual General Meeting
1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	Break
2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	Social: Kahoots Trivia

Registration

CSPT Member rate: \$100

CSPT Trainee rate: \$50

CSPT Trainees who submit an abstract will have their registration covered by the CSPT/ASPET.

Non-member rate: \$250

Hot off the Press: Canadian Journal of Physiology and Pharmacology

News and updates from the official journal of the Canadian Society of Pharmacology and Therapeutics

Did you know?

The Canadian Journal of Physiology and Pharmacology (CJPP), has a new 3-year transformative agreement with CRKN_RCDR. **If you belong to a participating CRKN member institution, then you can publish your paper as Open Access for FREE in CJPP!** Additionally, CJPP has no APC fees. More information about the agreement is available here: <https://t.co/3j13EX266s>. Not sure if your institution is a member of CRKN? Check out the list of applicable institutions here: <https://cdnsiencepub.com/journal/cjpp/publication-fees>



Recent Editor's Choice Selections

Smoothelin-like 1 knockout mice display sex-dependent alterations in blood flow and cardiac function

The Smoothelin-like 1 (SMTNL1) protein is known to control the contractility of blood vessels. Since vessel function is important for normal blood pressure maintenance and cardiac performance, the authors investigated the effect of SMTNL1 on heart function. The article showed that the global deletion of SMTNL1 in a pre-clinical mouse model was associated with a change in heart size (smaller), enhanced heart muscle contractility and pumping, and elevated blood flow through the aorta. Intriguingly, these findings were apparent only in male animals, and not in females. A surgical model of cardiac stress that restricts blood flow through the aorta also revealed normal heart contractions but an impairment in ventricular relaxation in male animals.

<http://dx.doi.org/10.1139/cjpp-2022-0172>

The antioxidant and anti-inflammatory activities of caffeine effectively attenuate nonalcoholic steatohepatitis and thioacetamide-induced hepatic injury in male rats

The antioxidant effect of caffeine, associated with its ability to upregulate the nuclear factor-E2-related factor-2 (Nrf2)-signaling pathway, was explored as a possible mechanism for the attenuation of liver damage. Nonalcoholic steatohepatitis (NASH) was induced in rats by the administration of a high-fat, high-sucrose, high-cholesterol diet (HFSCD) for 15 weeks. HFSCD administration induced hepatic steatosis, decreased Nrf2 levels, increased oxidative stress, induced the activation of nuclear factor- κ B (NF- κ B), and elevated proinflammatory cytokine levels. Caffeine increased Nrf2 levels and reduced NF- κ B activation, inflammatory cytokine levels, and damage. Our findings suggest that caffeine may be useful in the treatment of human NASH.

<http://dx.doi.org/10.1139/cjpp-2022-0303>

Coming in June: CSP Author Workshop

Find out how CJPP can help you share your discoveries!

This workshop will be useful for early career researchers, students, and those who need a refresher on how we can help publish and promote your work. Come prepared with questions! We are here to help!

Upon completing this session, you will be able to:

- Understand what CJPP is looking for in a successful journal article
- Comprehend the aspects of peer review
- Know what to do and what to avoid in preparing a submission
- Highlight the benefits of publishing and engaging with CJPP

Josephine Sciortino

Josephine is Editorial Director at Canadian Science Publishing (CSP). She directs the Life & Agricultural Sciences portfolio. She has spent over 20 years of her professional career working with societies, associations, and researchers to publish their work and to ensure its impact. She is also a professor in the Publishing department at George Washington University in DC. She has been with CSP since April 2019. She lives in Montreal with her husband and 2 teenage daughters. She loves to talk about journals and their impact and relevance.

Tracy Fegan

Tracy is the Journal Development Specialist at CSP. She has over 20+ years experience in the scientific publishing industry. She started at CSP in 2010, and was with NRC Research Press before that. She lives in Nanaimo, BC.

Watch for an e-mail with details on how to register for this exciting pre-meeting event!

Upcoming Webinar

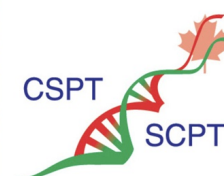
Equity, Diversity, and Inclusion in Pharmacology and Therapeutics Research and Education

Tuesday, April 25th, 2023

9 AM PT/10 AM MT/11 AM CT/

12 PM ET/1 PM AT/1:30 PM NT

Register at PharmacologyCanada.org/events



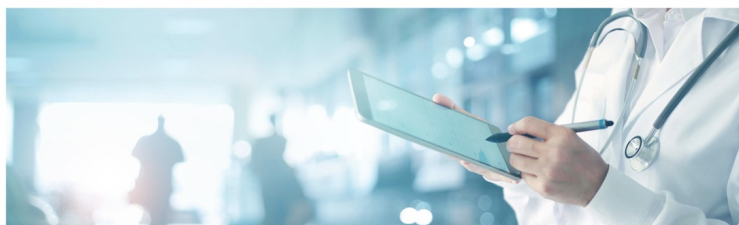
Hear from

Imogen Coe, PhD

Professor,
Department of Chemistry & Biology
Faculty of Science,
Toronto Metropolitan University
&

Arno Kumagai, MD

Professor & Vice Chair for Education,
Department of Medicine,
University of Toronto



Announcements

CSPT LEADERSHIP POSITIONS AVAILABLE

Become part of the CSPT leadership team in 2023!

The CSPT is seeking nominations for a new President Elect with an invigorating vision for the society. The President elect will work in partnership with the President and Past on developing and implementing strategic priorities for the CSPT.

The CSPT Nominating Committee is also seeking applications for the following committee Chair positions

- Awards Committee
- Awards Committee Vice Chair
- Outreach Committee Chair
- Publications Committee Chair
- Scientific Program Committee Vice Chair/Chair

For all positions the Applicant is required to have the following qualifications:

- Is a CSPT Regular Member in good standing
- Is currently active in pharmacology research or education
- Has strong interpersonal skills (e.g., clear communication, facilitates discussion and consensus building, team player)
- Is a fair and ethical decision maker
- Is committed to the growth and success of the society

Information on how to apply will be sent through a separate email in early April. Applications will be due on April 30th, 2023.

Or for further information please contact Kerry Goralski, CSPT Past President and Nominations Committee Chair at Kerry.goralski@dal.ca

Coming Spring 2024



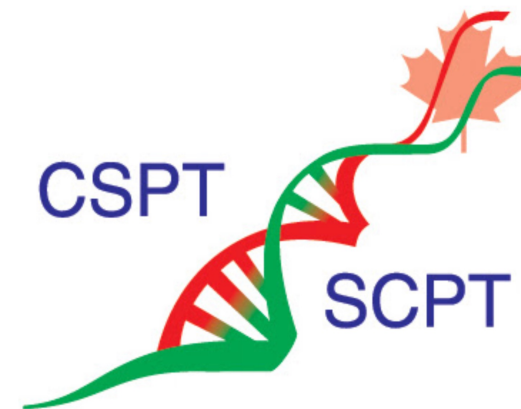
2024 CSPT Annual Scientific Meeting

Ottawa, Ontario

We are pleased to announce that the 2024 CSPT Scientific Meeting will be held **in person** in Ottawa. Planning is already underway for a dynamic program that showcases the latest in experimental and clinical pharmacology from across Canada. Stay tuned for updates for our Scientific Program Committee in future issues of Pharmacology News!

Are you a pharmacology educator?
We would like to hear from you!

Join us for an online meeting of educators
with program specific breakout rooms
focused on pharmacology curricula in
science and medicine (BSc/MSc & MD)



Register for our 2nd Annual
**Canadian Pharmacology
Education Symposium**

Wednesday, May 24th, 2023

9 - 11 AM PT/10 - 12 PM MT/11 - 1 PM CT/
12 - 2 PM ET/1 - 3 PM AT/1:30 - 3:30 PM NT

Register at PharmacologyCanada.org/events

