



NEWSLETTER

UBC School of Biomedical Engineering

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Announcements

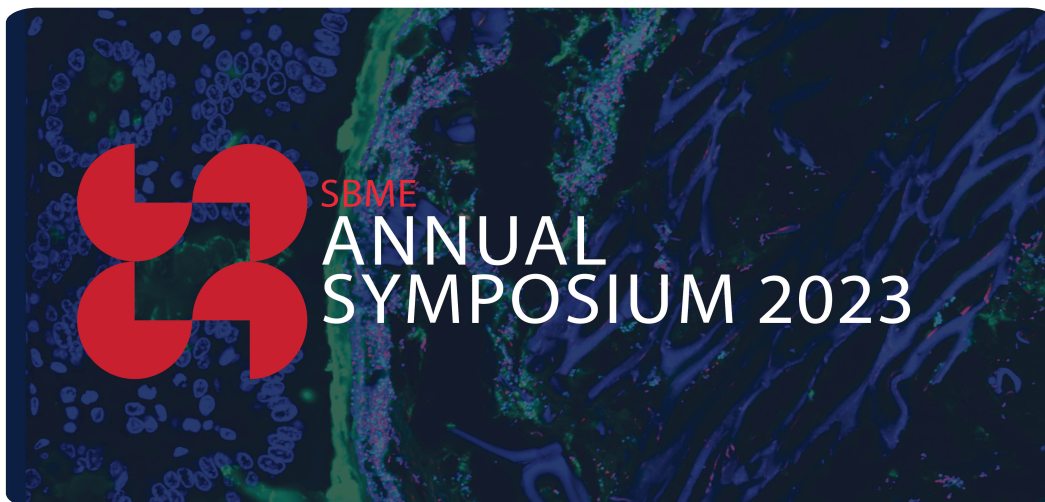


2023 SBME Synergy Summer Studentship Program

SBME is pleased to announce that we are once again running SBME Synergy, an Undergraduate Summer Research Program built on the foundations of our partnership with the Djavad Mowafaghian Centre for Brain Health (DMCBH), the International Collaboration on Repair Discoveries (ICORD), the Genome Science and Technology Graduate Program (GSAT), and the Life Sciences Institute (LSI).

This program is an opportunity for undergraduate students to get hands-on research experience in world-class laboratories. [Applications are now open.](#)

UPCOMING EVENTS



SBME Annual Symposium

June 13, 2023 | Save the Date

Our annual Symposium will take place on June 13. Watch for updates in upcoming newsletters, including the announcement for our keynote speaker and our an industry panel event. [Stay tuned for Symposium news on the SBME page.](#)



SBME 3MT Heat

March 1 | 11:00 am - 12:30pm

Ready to put your 80,000 word thesis to the test? In 3 minutes?

The competition gives you the chance to network with other graduate students, gain exposure for your work and win prizes.

[Learn More & Register.](#)



SBME PROPELS

Propels is an extracurricular series of workshops, seminars and panels designed to build fluency in partnerships, translation, leadership, pedagogy, and to prepare graduates for careers in the BME space.

[Company Creation 101](#)

February 15 | 12:00 pm - 1:00 pm

Do you have an innovative idea that you'd like to translate? Would you like to understand what it takes to create a company? Join our in-person workshop on February 15th to learn more about market research, business models, risk assessment, and more!

In this two-part workshop, you'll also hear from local UBC start-ups about their commercialization journey as they provide real-world case studies and personal insights.

Confirmed Speakers:

- Sean Lumb (e@UBC Director)
- Jon Jafari (e@UBC & Mesintel Therapeutics)
- Peter Stirling (Arrowsmith Genetics)
- Lih Jiin Juang & Amy Strilchuk (SeraGene)

Please note that lunch will be provided, and space is limited. If you're interested in attending, please register.

[Investing in Innovations](#)

March 8 | 12:00 - 1:00 pm

What does it mean to invest in innovations? Topics covered will include: investing items as government funds, Angel investors, VC, corporate partnering/investing; incubators and accelerators

Black Lives, Black Voices and Black Identities in the Faculty of Medicine

February 17 | 12:00 pm - 1:30 pm

IBPOC Voices is an opportunity to meet and have a conversation with guests who identify as Indigenous, Black and people of color. This series centers IBPOC experiences and knowledge, and highlights how they navigate the different challenges and how they engage with equity, diversity and inclusion. It is also a space where guests talk about their vision of an equitable and just environment. This series is an opportunity to open spaces where we know each other more and create a sense of community because “We are fully dependent on each other for the possibility of being understood and without this understanding we are not intelligible, we do not make sense, we are not solid, visible, integrated; we are lacking. So, travelling to each other’s “worlds” would enable us to be through loving each other” (Maria Lugones).

This virtual event is part of the **IBPOC Voices**, a new monthly series led by Dr. Neila Miled the anti-racism Advisor.

[Learn more & register.](#)

Black History Month: A panel conversation on the Black experience in the Faculty of Applied Science

February 28 | 3:00 pm - 4:30 pm

This panel event is intended to be an informal conversation on the Black Experience in the Faculty of Applied Science. Students, staff, and faculty are coming together to share their experiences of being Black in a faculty

that is – unfortunately – under-representative of the Black population in Canada. We welcome participants from all backgrounds to attend so they can learn and take the knowledge they gain to create more inclusive spaces for Black students, staff and faculty in UBC Applied Science.

This is a hybrid event, in-person and online.

[Learn more & register.](#)

Pink Shirt Day

February 22 | All day event

Pink Shirt Day is an annual event that raises awareness about the negative impacts caused by bullying, and the importance of fostering an inclusive and welcoming environment at work, school, and home. Through the simple act of wearing a pink shirt, people around the world unite, show their solidarity, and celebrate diversity, inclusion and tolerance.

The UBC Bookstore has a Pink Shirt for Kindness is Power by Francis Horne Sr., Coast Salish. The shirt's design features an eagle forming a heart. Eagles provide a vision of the power of love and kindness within us all.

Wear a pink shirt (or [buy one from the UBC Bookstore](#)), [download a pink Zoom background](#), or contribute in your own way.

[Learn more.](#)

Stay up to date on all SBME community Seminars & Events

Subscribe to import all events into your calendar so you'll never miss an event.

SBME Events Calendar

Awards and Grants

L'Oréal Canada Fellowship - Competition Open / Bourses L'Oréal Canada - Le concours est lancé

Application Deadline: April 18, 2023 at 5:00 p.m ET.

We are pleased to announce the launch of the 2023 competition for the L'Oréal Canada For Women in Science Research Excellence Fellowships. The L'Oréal Canada For Women in Science Research Excellence Fellowships, with support from the Canadian Commission for UNESCO, recognize the outstanding contributions of women in science as part of the [For Women in Science Program](#). This year, two fellowships valued at \$20,000 each will be awarded to female postdoctoral researchers in the fields of Life Sciences and Engineering/Pure and Applied Sciences. Candidates must conduct their research at a Canadian host institution or organization.

Spread the word! For more information, contact loreal@univcan.ca.

Research Papers

[Researchers Are Changing Pressure Sensors and Their Potential Applications](#)

Through the hard work and determination carried out by members of the Department of Electrical and Computer Engineering and the School of Biomedical Engineering, we are seeing advances in the use of pressure microsensors with remarkable performance, enabling a whole new range of application opportunities.

Ken Takahata | takahata@ece.ubc.ca

[Flexible Ultrasound Transducers for Wearable Sonography](#)

Flexible ultrasound arrays offer several advantages in medical imaging. They can be easily conformed to the shape of the body, resulting in greater patient comfort and higher resolution images compared to rigid arrays. The innovative aspect of this work lies in the development of a flexible array using polymeric capacitive-based

ultrasound transducers, which have improved bandwidth, lower cost, and higher array density than conventional technologies. Our research has confirmed the robust performance of these arrays under bending, leading to the potential for clinical applications. In the near future, flexible ultrasound arrays could be integrated into wearable devices for continuous monitoring and early disease detection.

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SEND US YOUR UPDATES

Do you have news or information you want to share with the community?

Fill out our website [updates form](#) to be featured in the next **SBME Newsletter** (*we will accept submissions up to two days before the release of the next edition*).

And don't forget to connect with the SBME on social media.

THE SBME COMMUNICATIONS TEAM
