



# Weekly News

UBC School of Biomedical Engineering

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## Announcements



### **Congratulations to Peter Zandstra and Dan Kirouac and the team at Notch Therapeutics on their recent article in Nature Biotechnology**

A new publication from UBC researchers and the Notch Therapeutics team reveals a novel computer modeling workflow for predicting CAR-T pharmacology and patient outcomes. [Dr. Peter Zandstra](#), Director of the [School for Biomedical Engineering](#) (SBME) and Professor at the Michael Smith Laboratories, and [Dr. Dan Kirouac](#), adjunct Professor with the SBME, are co-authors on the recent Nature Biotechnology publication. Both are part of the Notch Therapeutics team, Zandstra serving as Chief Scientific Officer and Kirouac as Director of Systems Biology.

[Read Article Here.](#)

### **SBME Equipment Funding**

Recently, the SBME Research Committee put out a call to all of the SBME core faculty for any urgent equipment requests of up to \$50K. One of the criteria was that it has to benefit multiple people in the SBME research community, not just one lab. This round, the funding was awarded to Drs. Govind Kaigala, Ivan Robert Nabi, Calvin Roskelley, Kelly McNagny, Shernaz Bamji, Tim Kieffer, Carolina Tropini, Jayachandran N Kizhakkedathu, Hongshen Ma, and Michael Underhill. This SBME funding will support the upgrade of a tissue scanner to include fluorescence and an antigen retrieval system.

**About the upgrade:** Processing formalin fixed paraffin embedded section and imaging (H&E and fluorescence) is broadly used by the SBME community for a range of scientific investigations. SBME equipment funding helps to enhance the scanner's ability from bright field to include fluorescence labeling which is critical to image multi-channel labeling of tissue sections that are performed routinely. In addition, in-house availability of an antigen retrieval system is essential for labelling and will significantly enhance throughput and reduce costs of labeling through external services. This equipment (VS120 series scanner from Olympus and EZ RT IR System from Biogenx) will shortly be available at the LSI and will be available for use via the SBME online booking system.

### **Registration for 2023 Summer Geering Up Camps Open**

Geering Up is a team within APSC with the mission of promoting science, technology, engineering and math to youth across British Columbia. Summer camps run July through August for students grades 1-12 (participants entering grade 1 in September are eligible), and include a variety of themes; check out our website for more information! This year, Geering Up is running camps at UBC Vancouver, South Surrey, Richmond, Kelowna, North Vancouver, and Coquitlam locations.

[Learn More & Register Your Child.](#)

**Geering Up | [camps.geeringup@ubc.ca](mailto:camps.geeringup@ubc.ca).**

### **Engineering coop / internship position: Barber Prosthetics**

Barber Prosthetics Clinic and the MAKE+ Group at BCIT are looking for an EIT or engineering co-op student to assist on a project using 3D printing to improve prosthetic cover design. This is a 8-12 month contract on a project generously funded by The War Amps.

Note: if you are applying through the co-op program, please do not apply directly to the clinic as well.

[Application Form.](#)

**Contact [careers@barberprosthetics.com](mailto:careers@barberprosthetics.com) for more information or to apply.**

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# Professional Development Sessions & Research Talks

## Publishing for Impact

**April 11 | 10:00 am - 11:00 am**

Have you ever wondered what goes on behind the scenes when you submit your manuscript? In this seminar, Barbara Cheifet, Chief Editor of Nature Biotechnology, will shed some light on the most common questions that journal editors receive. Barbara will share tips on how to submit your manuscript to the right journal, discuss how journal editors manage peer review, and share how editorial decisions are made.

[Learn More.](#)

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## Day in the Life of a Journal Editor

**April 12 | 11:00 am - 12:30 pm**

This seminar will outline the day to day life of a journal editor. Barbara Cheifet, Chief Editor of Nature Biotechnology, will discuss how to get started in journal editing, what skills are required to work at a journal, and the ups (and downs) of the job.

[Learn More.](#)

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## 3MT Event Reminder

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

Learn about research happening in SBME and support the folks who are doing it. Join us for 3MT. Watch in person at LSI 1003 or live via [the Zoom link](#). Zoom Meeting ID: 91783 244698 and passcode: 244698.

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## **SBME Propels: Investing in Innovations**

**March 8 | 12:00 pm - 1:00 pm**

Explore the translation of academic innovations, and the significant resource gaps many founders face. The panel will explore financial resources to support commercialization and help innovators navigate and understand this funding landscape. This discussion includes panelists with expertise in government funding, angel investors, VC, corporate partnering/investing, incubators and accelerators.

[Learn More & Register.](#)

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## **Seminar by Dr. Lorne Tyrell**

**February 28 | 2:00 pm - 3:00 pm**

The UBC Research & Innovation Office, in partnership with Friends of CIHR, invites you to a lecture by Henry G. Friesen International Prize Winner Dr. Lorne Tyrell, Distinguished Professor at the University of Alberta. Dr. Tyrell will be speaking on his research titled: "Contributions to Viral Hepatitis, Vaccine Task Force, and COVID-19."

Dr. Tyrell is a visionary clinician-scientist, creative virologist, entrepreneur, and academic leader. His multi-faceted career in academic medicine, virology, pharmaceutical enterprise, and dedicated advocacy for health research in Canada were recognized with the 2021 Henry G. Friesen International Prize in Health Research.

Additionally a reception will take place in person at the Jack Poole Hall, Robert H. Lee Alumni Centre. This will take place from 3:00 pm - 4:00 pm

[Learn More & Register.](#)

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## **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.](#)

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## 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

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## Awards and Grants

### 9TH Annual MDDC Awards for Excellence in Biomedical Engineering Student Design & Innovation

**Application Deadline: April 2, 2023 at 11:59 pm PT**

**Finalists notified: April 10**

**Finalists will demonstrate their project/prototypes: May 6, 2023**

The MDDC Medical Device Development Centre of British Columbia (‘the MDDC’) is pleased to announce the renewed and increased endowment of up \$19,000 to the MDDC Student Awards to encourage and recognize student innovators in technologies relating to medicine and health care,

including medical devices, systems, software, apps, and assistive technologies.

Contact | [awards@mddc.org](mailto:awards@mddc.org)

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## IGF 5th Year Award

**Application Deadline: March 23, 2023 at 4:00pm PT**

Indigenous PhD students in their 4th year are now able to apply for 5th year funding through the IGF 5th Award. The award, valued at \$18,200 per annum plus tuition, is awarded on the recommendation of the Faculty of Graduate and Postdoctoral Studies to full-time Indigenous doctoral students from all disciplines to fund their 5th year of study, where research involves community-engaged methodologies and approaches.

[Learn More & Apply.](#)

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## IGF Research & Travel Award

**Application Deadline: March 23, 2023 at 4:00pm PT**

Funding in support of research and travel expenses for Indigenous graduate students has been made available through the IGF Research & Travel Award to current holders of the Indigenous Graduate Fellowship. Recipients of the award will be engaged in work that contributes directly or indirectly to community engagement and relationship building with Indigenous communities. Successful candidates will receive a minimum of \$3,000 for Master's students and a minimum of \$5,000 for Doctoral students. Additional funding may be offered depending on budget availability.

For information on eligibility and application procedures, including application forms, [please consult the G+PS webpages.](#)

Bree Wilson | [bree.wilson@ubc.ca](mailto:bree.wilson@ubc.ca).

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## FOLLOW US



## SEND US YOUR NEWSLETTER SUBMISSIONS

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

Fill out our [newsletter submission 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**

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