



Weekly News

UBC School of Biomedical Engineering

TABLE OF CONTENTS

[Announcements](#)

[Professional Development Sessions & Research Talks](#)

[Send Us Your Newsletter Submissions](#)

Announcements

SBME Symposium Details

June 13 | 9:00 am - 5:30 pm

The agenda is finalized and we are excited to share more details about our upcoming Symposium.

The Symposium will kick off with our Keynote Speaker, Murali Venkatesan.

Murali has a deep passion for transforming Science, Technology and Medicine at scale to impact patient lives. Murali holds a Ph.D. in Electrical & Computer Engineering from the University of Illinois at Urbana-Champaign and is a graduate of the Stanford Executive Program. He is an inventor on 20 patents and has published in various scientific journals including Nature Nanotechnology, Nature Scientific Reports, Advanced Materials and Lab on Chip with over 3000 citations. Murali also holds Bachelor of Science and Bachelor of Engineering degrees in Pure Mathematics, Computer Science and Electrical Engineering from University of Western Australia. The Keynote Session is sponsored by Danaher Ventures.

We are also hosting three Research Talks:

- Sara Roccabianca (Michigan State University): *Effect of Sex on the Mechanical Behavior of the Murine Urinary Bladder*
- Adrien Desjardins (University College London): *Biomedical Imaging and Sensing with Optical Fibres*
- Gane Ka-Shu Wong (University of Alberta)

Our Panel Session will discuss Decolonizing Biomedical Engineering through Indigenous Consultation and Collaboration.

We look forward to seeing you at the Symposium.

[Details and Register.](#)

Congratulations to Dr. Ali Bashashati for receiving the NSERC CREATE Grant for the MUSIC training program

The training program, supported by the Natural Sciences and Engineering Research Council of Canada's (NSERC) Collaborative Research and Training Experience (CREATE) program, will prepare students and postdoctoral fellows through innovative, collaborative and multidisciplinary training opportunities.

[Read More.](#)

Applications for Venture Founder are open!

May 8 | Application Deadline

Take your startup idea or innovation to the next level through in-depth weekly training, hands-on mentorship and resources designed to bolster your venture building journey.

You will work with our team and network of mentors who are seasoned industry experts helping to catapult your venture into a scalable company.

Join our thriving community of UBC entrepreneurs.

[Apply.](#)

Professional Development Sessions & Research Talks

SBME Presents - Dr. Aki Kusumi

April 25 | 3:00 pm - 4:00 pm | LSI 1003

This session will focus on Dr. Kusumi's research. Specifically, on his team's development of an ultrafast camera system that enables the highest time resolutions in single fluorescent-molecule imaging to date, along with theoretical frameworks for the analysis of single-molecule trajectories in the plasma membrane.

[Learn More.](#)

UBC 23 24 Indigenous Cultural Safety: Creating Excellence in the Arenas of Truth, Reconciliation and Academia

April 27 | 12:00 pm - 1:30 pm

In this Indigenous Speaker Series session, the panelists will discuss the work of cultural safety, cultural humility, and the broader work in regards to the recommendations from the In Plain Sight report, the Truth and Reconciliation Commission Calls to Action, and the Declaration on the Rights of Indigenous Peoples Act Action Plan. This important and timely dialogue will highlight the work being undertaken across the UBC Faculty of Medicine in an effort to reconcile and redress the relationship between Indigenous peoples and health care professionals and systems.

[Register.](#)

MECH Distinguished Colloquium Seminar: Multiscale Modeling of Membrane-Actin and Actin- Cross Linker Interactions

April 27 | 12:30 pm - 1:30 pm | CEME 1203

Session abstract: The interactions between the plasma membrane and the actin cytoskeleton are fundamental to many cellular processes including membrane trafficking, cell shape regulation, and cell motility. These processes are inherently mechanochemical in that they harness complex molecular machineries to drive changes to the physical organization of the cell.

As a result, they lend themselves to interrogation using both modeling and experimental approaches. In this talk, I will discuss two such efforts from my group — modeling endocytosis and the associated actin-membrane interactions and modeling actin assembly as a function of cross-linkers. In both these efforts, in addition to the quantitative models, I will also highlight the feedback between experiments conducted by our collaborators and the model predictions we generated, sharing both failures and successes along the way.

[Learn More.](#)

Celebrating 20 Years of Research Excellence at VCHRI

May 9 | 8:00 am - 5:30 pm

This year, VCHRI proudly commemorates the 20th anniversary of our establishment. To celebrate this milestone, we are hosting a full-day event that aims to recognize two decades of research achievements and showcase innovative projects from our research community. The event will include oral and panel presentations, industry demonstrations and networking sessions. Lunch will be provided and there will be opportunities to win exciting prizes.

[Learn More.](#)

SBME Presents - Dr. Hideyuki Okano

May 15 | 10:00 am - 11:00 am | LSC 1003

This session will focus on Dr. Okano's research. Specifically, on his team's use of iPSC technology and genetically engineered non-human primates to address the challenges faced when studying human neurological/psychiatric disorders.

[Learn More.](#)

Creating Inclusive Spaces

May 16 | 12:00 pm - 1:30 pm

Inclusive learning and working spaces allow people to feel both physically welcomed and psychologically included. Our optimal environments celebrate the diverse experiences of our members and respond to a variety of cultural and personal needs. When we embrace the differences amongst us and actively seek to welcome and amplify the voices of those adversely affected by a lack of inclusion, we support culture change and create space for belonging.

[Register.](#)

Transformation, Inspiration and Guidance: Celebrating 20 Years of Indigenous Excellence in Medicine

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

James Andrew has been a source of inspiration and guidance in helping to create and transform the UBC Faculty of Medicine's Indigenous MD Admissions Pathway. In 2022, the Faculty of Medicine community celebrated 20 years of the Pathway as well as the Indigenous Family Medicine Residency Program, and over this time period more than 120 Indigenous doctors have graduated and are now serving communities across the province as family doctors, surgeons, pediatricians and more.

[Register.](#)

Disrupting the Status Quo: Intersecting Inequities Impacting Women in the Faculty of Medicine and Opportunities for Change

June 7 | 9:30 am - 1:30 pm

During this virtual event, hear from a diverse group of women about their perspectives on leadership, opportunities and barriers in the context of health professions practice, education and research. We will centre intersectionality and the differentiated experiences of women as we critically examine how current academic systems and hierarchies create additional barriers for women and ideas for change.

[Register.](#)

Image-Guided Therapeutics Symposium

June 12 | 8:00 am - 4:00 pm | EDT

Join us for our fourth installment of the Image-Guided Therapeutics (IGT) Symposium! Focused on institutional research highlights, the IGT Symposium will feature a line-up of academic and industry experts who will share and discuss their current initiatives, discoveries, breakthroughs, and journeys to success. Discover how IGT will transform the future of health care.

Attendants of the symposium will have opportunities to:

- showcase their innovations and products for industry partners
- network and identify opportunities for collaboration and partnership
- discover upcoming technologies and research

[Register.](#)

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

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
