



# Weekly News

UBC School of Biomedical Engineering

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## Announcements

### **Congratulations to Dr. Peter Zandstra**

Congratulations to Dr. Peter Zandstra for receiving the first ever Scientific Entrepreneurship Award from Life Sciences BC (LSBC). The award honours a remarkable scientific entrepreneur from one of B.C.'s research or scientific

institutions that has advanced health innovations and significantly enriched the dynamic ecosystem. Award recipients are selected by a committee of senior leaders from across the sector.

Dr. Zandstra, along with the other award recipients, will be celebrated in person at the 25th Annual Life Sciences BC Awards Gala on September 14th at the Vancouver Convention Centre West.

[Learn More About the Award Here](#)

## **UBC Micro-Certificate in Regulatory Affairs in Life Sciences**

The UBC Micro-certificate in Regulatory Affairs in the Life Sciences is a part-time, blended program developed and delivered by the UBC Academy of Translational Medicine (ATM) and the UBC Faculty of Medicine in consultation with world leaders in regulatory affairs.

This 10-week micro-certificate comprises two courses: [Introduction to Regulatory Affairs](#) and [Regulatory Science and Health Economics](#). Faculty and students in the life sciences, clinical and health services, and population health will benefit from a foundational understanding of the regulatory and translational medicine landscape and the frameworks used to approve and market drug and health products.

This course is eligible for the [StrongerBC Future Skills Grant](#).

## **Creative Destructive Labs (CDL) Advanced Therapies Stream**

### **July 28 | Deadline to Apply**

Creative Destructive Labs (CDL) has opened applications for their [Advanced Therapies Stream](#). CDL is a seed-stage program for massively-scalable science- and technology-based startups. The program includes a series of five meetings over the course of nine months, and places an emphasis on objective-setting, helping companies focus on what's most important to their business.

[Learn More or Apply](#)

## **Research Paper: Single-strain behavior predicts responses to environmental pH and osmolality in the gut microbiota**

Congratulations to Dr. Carolina Tropini and team for their recent publication in the American Society for Microbiology for *Single-strain behavior predicts responses to environmental pH and osmolality in the gut microbiota*. The paper finds that environmental factors (e.g., pH, concentration of particles) are predictive of gut microbiota growth and abundance in isolation and complex communities, in vitro and in vivo.

[Read More](#)

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## **Professional Development Sessions & Research Talks**

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### **FACTS Public Panel: Tackling Climate Change and the Just Transition to Renewable Energy**

**July 27 | 2:30 pm - 9:30 pm**

This two-part event is part of a series of French-Ameri-Can Climate Panels (FACTS) on climate change that have been held throughout North America in the past decade. Jointly sponsored by the Pacific Institute for the Mathematical Sciences (PIMS) and the French Embassy of Canada, this panel features a diverse group of eminent Canadian and French leaders representing climate science, renewable energy, economics, public policy, and Indigenous affairs.

The event is organized in two sessions. Topics may vary per session and participants can choose to attend either session or both. There is limited seating for both sessions so please be sure to RSVP.

[Learn More or Register.](#)

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## **RNA Gene Therapies and Nanomedicines to Understand and Control Blood Coagulation**

**August 2 | 3:00 pm - 4:00 pm | Chan Centre for Family Health Education, BC Children's Hospital Research Institute**

Dr. Christian Kastrop is a Senior Investigator at the Versiti Blood Research Institute and a Professor at the Medical College of Wisconsin. Christian is a biochemist specializing in biotechnology and genetic medicines. His research is centered on understanding and controlling blood coagulation and fibrinolysis proteins. He is driven by the potential to improve health outcomes of young people by addressing the impact of hemorrhage during trauma and childbirth, as well as thrombosis-related conditions such as strokes and deep vein thrombosis. In his laboratory, Christian's team creates RNA therapeutics, lipid nanoparticles, advanced drug delivery systems, and new blood products. They work in close collaboration with a variety of stakeholders, including the Canadian Armed Forces, the US Army, blood centers, and others within and beyond the field of blood research. Christian has trained and supervised over a hundred scientists and clinicians in his laboratory with these shared goals.

[Attend Virtually](#) | Zoom Meeting ID: **612 7474 9680** | Passcode: **54264**

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**THE SBME COMMUNICATIONS TEAM**

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