

Publications of the Week

MKK6 Functions in Two Parallel Map Kinase Cascades in Immune Signaling

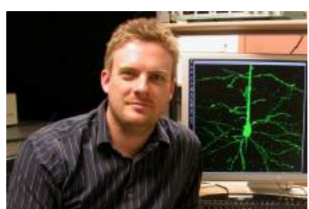
First Author: Kehui Lian | Senior Author: Yuelin Zhang *(pictured)*
Plant Physiology | UBC



Arabidopsis thaliana map kinase (MPK) proteins can function in multiple MAP kinase cascades and physiological processes. For instance, MPK4 functions in regulating development as well as in plant defense by participating in two independent MAP kinase cascades. The authors report a novel role for MKK6 in regulating plant immune responses. [Abstract](#)

Suppressing Interferon Gamma Stimulates Microglial Responses and Repair of Microbleeds in the Diabetic Brain

First Author: Stephanie Taylor | Senior Author: Craig Brown *(pictured)*
The Journal of Neuroscience | UBC



Microcirculatory damage is a common complication for those with vascular risk factors such as diabetes. Using *in vivo* two-photon microscopy in adult male mice, the authors show that microglial envelopment of laser induced cerebral microbleeds is diminished in a hyperglycemic mouse model of type 1 diabetes, which could not be fully rescued with chronic insulin treatment. [Abstract](#)

Calcium Channelopathies: Structural Insights into Disorders of the Muscle Excitation-Contraction Complex

First Author: Raika Pancaroglu | Senior Author: Filip Van Petegem *(pictured)*
Annual Reviews of Genetics | UBC



Channelopathies arise from mutations in the genes encoding ion channels or their associated proteins. Recent advances in cryo-electron microscopy have resulted in an explosion of ion channel structures in multiple states, generating a wealth of new information on channelopathies. The authors discuss the latest insights into these calcium channelopathies from a structural viewpoint. [Abstract](#)

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Your Voice

Celebrating BC's First Nobel Laureate Michael Smith: the Heart and Soul of Molecular Genetics

Tara Fernandez

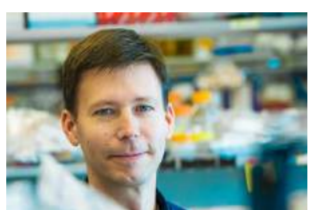


It has been 25 years since Michael Smith received his momentous honour, and the research community in BC and beyond continue to celebrate the efforts of this brilliant innovator. In 2000, the community lost a truly extraordinary researcher, a caring mentor and a generous humanitarian. The wealth of knowledge he leaves behind, along with his commitment to research excellence, continues to inspire and excite the next generation of BC scientists. [Read More](#)

Awards

Six Faculty Members Inducted into Canadian Academy of Health Sciences

UBC Faculty of Medicine



Six UBC faculty members have been announced as Fellows of the Canadian Academy of Health Sciences (CAHS). Election to fellowship in the CAHS represents one of the highest honours for members of the Canadian health sciences community. Winners include Dr. Timothy Kieffer *(pictured)*, who has demonstrated an impressive commitment to translating laboratory findings into potential therapies for diabetes. [Read More](#)

Congratulations to the Recipients of the 2018 Outstanding Achievement Awards & BCCHR Studentships and Fellowships

BC Children's Hospital Research Institute



The BC Children's Hospital Research (BCCHR) Institute is pleased to congratulate the recipients of the 2018 Outstanding Achievement Awards and the 2018 BCCHR Studentships and Fellowships. Winners include Dr. Brandon Chalazan *(pictured)*, who was awarded the Outstanding Achievement by a Resident award for his contributions to advancing fetal, children and adult health. [Read More](#)

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Local News

Vancouver Lab Hopes *E. Coli* Treatment Could Help Cure Crohn's Disease

The Star Vancouver



Doctors at a Vancouver lab are developing a treatment for Crohn's disease that they say could lead to a permanent cure — and it all began when a pancreatic cancer patient made a mysterious recovery. Dr. Hal Gunn, professor and founder of biotech company Qu Biologics, said the results from the first phase have shown surprising promise. [Read More](#)

Announcing Dr. Pamela Hoodless, Director, Terry Fox Laboratory

Terry Fox Laboratory



The Terry Fox Laboratory (TFL) is pleased to announce the appointment of Dr. Pamela Hoodless *(pictured)* as Department Head. She replaces Dr. Keith Humphries who is stepping down after eight years in the position. Dr. Hoodless will guide the TFL through a new phase of growth and renewal, building on exceptional scientific achievements by TFL scientists. [Read More](#)

How Michael Smith Put B.C.'s Life Sciences Community on the Map with a Nobel Prize 25 Years Ago

The Vancouver Sun



BC's first Nobel Prize was won 25 years ago by Dr. Michael Smith for his work on site-directed mutagenesis — a technique that allowed researchers to alter specific parts of the DNA code and understand how genes work, or why they don't work. Smith knew that as a Nobel winner, he would have influence and the opportunity to build something special, which is just what he did. [Read More](#)

Faculty of Science Welcomes New Dean!

SFU Faculty of Science



Why would a scientist from New Zealand, who has an international research program covering the Maldives, Fiji, Tuvalu, Marshall Islands and the Great Barrier Reef, move halfway around the world to become Dean of Science at SFU? Apparently, a desire to become part of what Paul Kench *(pictured)* describes as "a very high-performing and vibrant community of scholars who span the science disciplines." [Read More](#)

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Upcoming Events in Vancouver

- October 1
9:30 AM **25th Anniversary Celebration of Michael Smith's Nobel Prize Symposium**
The Great Hall at the Nest, UBC
- October 3
2:00 PM **Technologist Open House**
STEMCELL Technologies
- October 7
1:00 PM **Corallines are Way Cool because . . .**
Beaty Biodiversity Museum
- October 22
3:30 PM **2018 International Gairdner Symposium**
Life Sciences Institute
- October 25
8:00 AM **LifeSciences BC Investor Summit**
Fairmont Pacific Rim

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