

Publications of the Week

Endothelial Sash1 Is Required for Lung Maturation through Nitric Oxide Signalling

First Author: Patrick Coulombe (pictured, back row, third from left) | Senior Author: Aly Karsan (back row, left)
Cell Reports | Michael Smith Genome Sciences Centre, Terry Fox Laboratory and UBC



The sterile alpha motif and SRC homology 3 domain containing protein 1 (Sash1) acts as a scaffold in TLR4 signalling. Constitutive or endothelial-restricted Sash1 loss led to a delay in maturation of alveolar epithelial cells causing reduced surfactant-associated protein synthesis. The authors showed that Sash1 interacted with β -arrestin 1 downstream of the TLR4 pathway to activate Akt and endothelial nitric oxide synthase in microvascular endothelial cells. [Profile](#) | [Abstract](#)

Upregulation of Scavenger Receptor B1 Is Required for Steroidogenic and Non-Steroidogenic Cholesterol Metabolism in Prostate Cancer

First Author: Jacob Gordon | Senior Author: Michael Cox (pictured)
Cancer Research | Vancouver Prostate Centre and UBC



Hypothesizing that the high-density lipoprotein-cholesterol receptor scavenger receptor B1 (SR-B1) expression may help facilitate malignant transformation, the authors documented increased SR-B1 protein and transcript expression in prostate cancer relative to normal prostate epithelium that persists in lethal castration-resistant prostate cancer metastasis. [Abstract](#)

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Awards

Mohit Sodhi Awarded the 2019 Governor General's Gold Medal

UBC Faculty of Medicine



Mohit Sodhi (pictured), a graduate of the UBC Faculty of Medicine's Experimental Medicine Program, has been awarded a Governor General's Gold Medal. The medal is awarded to the master's student with the best academic record at the university. Sodhi's Master of Science thesis examined risks associated with a serious eye condition called acute angle closure glaucoma that could lead to blindness if left untreated. [Read More](#)

Faculty of Health Sciences Vanier Scholar Hopes Research Will Contribute to Future HIV Cure

SFU Faculty of Health Sciences



Natalie Kinloch (pictured), a PhD student in the Faculty of Health Sciences, is one of six students from SFU who have been awarded the 2019 Vanier Canada Graduate Scholarship, a prestigious award supporting the research of highly qualified doctoral students. Kinloch's research in Associate Professor Zabrina Brumme's lab investigates HIV genetic diversity and evolution with the goal of informing the design of both an HIV vaccine and cure. [Read More](#)

Dr. Abu Raya Awarded Vanier Scholarship for Improving Pertussis Vaccine

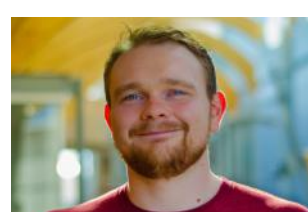
BC Children's Hospital Research Institute



Dr. Bahaa Abu Raya (pictured) has been awarded a Vanier Canada Graduate Scholarship for his research into whooping cough immunization in pregnancy that has helped change Canada's national immunization guidelines on when expectant mothers should get a booster shot. Making a better vaccine for whooping cough is the main goal of his research. [Read More](#)

Dr. Jonathon Briggs Awarded Prestigious Banting Postdoctoral Fellowship

Michael Smith Laboratories



A prestigious Banting Postdoctoral Fellowship has been awarded to Dr. Jonathon Briggs (pictured), who is currently working in the Brumer lab at UBC's Michael Smith Laboratories. Briggs' research involves learning more about how complex carbohydrates are broken down, transported and used by bacteria in the human gut. [Read More](#)

Seyed Amirhossein Nasser, a PhD Student in the Withers Lab, Announced as a 2018–2019 Vanier Scholar

Michael Smith Laboratories



One of the biggest public health challenges we face today is antibiotic resistance. More medicine is available than ever before, but with this advancement comes another issue that is quickly attracting more research attention. A recently-announced winner of a Vanier Scholarship, Seyed Amirhossein Nasser (pictured), is looking into this issue at a molecular level by learning more about the enzymes used by pathogenic bacteria. [Read More](#)

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Local News

Mining 25 Years of Data Uncovers a New Predictor of Age of Onset for Huntington Disease

UBC Faculty of Medicine



Investigators at the UBC Centre for Molecular Medicine & Therapeutics (CMMT) and BC Children's Hospital have examined more than 25 years of data to reveal new insights into predicting the age of onset for Huntington disease. "This discovery may enable us to provide families with additional information," said lead author Galen Wright (pictured), a Research Associate in the UBC Faculty of Medicine, CMMT and BC Children's. [Read More](#)

Gut Bacteria May Play Role in Pediatric MS, Studies Suggest

Multiple Sclerosis News Today



As strange as it is to think about, many bacteria live in the human body, most of which are found in the gut (often referred to as the gut microbiome). These bodily roommates affect health in many ways that are only beginning to be understood. Dr. Helen Tremlett (pictured) of UBC has shared research data that explores the role of gut bacteria in pediatric multiple sclerosis (MS). [Read More](#)

Secret Lives of CBR Researchers: Episode 2. Dr. James Baylis

Centre for Blood Research (CBR)



Dr. James Baylis (pictured) has recently defended his PhD in Biomedical Engineering where he focused on biomaterial and nanomedicine for management of bleeding. In addition to long hours spent in the lab, he also managed to find time to co-found the start-up company CoMotion Drug Delivery Systems and fill the role of Chief Technology Officer all while still a graduate student! [Read More](#)

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Interesting Articles

Canada Charts New Course to Attack Brain Tumours

CTV News



Canada has launched its first brain tumour registry in its battle to better treat the disease and avoid reliance on foreign data. The information collected by the Brain Tumour Foundation of Canada will be used by researchers to map incidents of these growths and help researchers find better treatments and eventually a cure. [Read More](#)

Government of Canada Invests Over Half a Billion Dollars to Support Thousands of Students and Researchers across the Country

Natural Sciences and Engineering Research Council of Canada



The Honourable Kirsty Duncan (pictured), Minister of Science and Sport, has announced an unprecedented investment of more than \$588 million through the Natural Sciences and Engineering Research Council of Canada's Discovery Grants program. This funding will go to more than 4,850 researchers and students across the country as they pursue their world-leading discovery work. [Read More](#)

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Upcoming Events in Vancouver

May 28 5:30 PM	Career Transitions Genome BC
May 29 7:30 PM	Moths, Monkeys & Missing Links: Ten Myths about Evolution Telus World of Science
May 30 8:30 AM	SBN & Genome BC Research Exchange & Poster Competition UBC Life Sciences Institute
May 30 8:30 AM	Genomics Forum "Cannabis: Cultivating Knowledge, Growing Innovation" UBC Life Sciences Institute
June 2 - 6 10:00 AM	14th World Congress of Biological Psychiatry Vancouver Convention Centre East

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STEMCELL Jobs in Vancouver

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- Scientist, Human Immunology**
STEMCELL Technologies
- Program Manager, Scientific Communications - Histochemistry**
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- Product and Scientific Support Specialist, Cell Culture**
STEMCELL Technologies
- Research Associate, Business Operations Products**
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Other Science Jobs in Vancouver

- Associate Scientist, Immuno-Oncology**
Centre for Drug Research & Development
- Research Manager**
UBC School of Biomedical Engineering
- Scientist, Antibody Production & Characterization**
AbCellera
- Postdoctoral Fellow**
BC Cancer
- Lecturer and Lab Coordinator in Biology**
UBC Department of Botany/Zoology

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MODELING PANCREATIC DEVELOPMENT AND DISEASE
Webinar with Dr. Ray Dunn and Dr. Jamie Trott
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