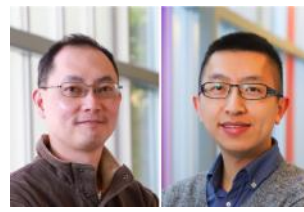


Publications of the Week

FAM13A as Potential Therapeutic Target in Modulating TGF-Beta-Induced Airway Tissue Remodelling in COPD

First Author: Anthony Tam (pictured, right) | Senior Author: James Lim (left)
Lung Cellular and Molecular Physiology | Center for Heart Lung Innovation, NanoMedicines Innovation Network, and UBC



Genome-wide association studies have shown that a gene variant in Family with Sequence Similarity 13, Member A (FAM13A) is strongly associated with reduced lung function and the appearance of respiratory symptoms in patients with Chronic Obstructive Pulmonary Disease (COPD). A key player in smoking-induced tissue injury and airway remodelling is the transforming growth factor β 1 (TGF β 1). The authors determined the role of FAM13A in TGF β 1 signaling. [Profile](#) | [Abstract](#)

A Nuclear Proteome Localization Screen Reveals the Exquisite Specificity of Gpn2 in RNA Polymerase Biogenesis

First Author: Sean Minaker (pictured, back row, second from left) | Senior Author: Peter Stirling (back row, right)
Cell Cycle | Terry Fox Laboratory, Michael Smith Laboratory, BC Cancer, and UBC



The GPN proteins are a conserved family of GTP-binding proteins that are involved in the assembly and subsequent import of RNA polymerase II and III. The authors sought to ascertain the specificity of yeast GPN2 for RNA polymerases by screening the localization of a collection of 1350 GFP-tagged nuclear proteins in wildtype or GPN2 mutant cells. [Abstract](#)

Immunological Mechanisms of Vaccine-Induced Protection against COVID-19 in Humans

First Author: Manish Sadarangani (pictured) | Senior Author: Tobias Kollmann
Nature Review Immunology | BC Children's Hospital and UBC



Most COVID-19 vaccines are designed to elicit immune responses, ideally neutralizing antibodies, against the SARS-CoV-2 spike protein. Several vaccines, including mRNA, adenoviral-vectored, protein subunit and whole-cell inactivated virus vaccines, have now reported efficacy in phase III trials and have received emergency approval in many countries. [Abstract](#)

[View All Publications](#)

Awards

Congratulations 2021 CIHR Project Grant Recipients!

BC Children's Hospital Research Institute



Dr. Megan Levings (pictured) and Dr. Kirk Schultz are the recipients of CIHR Team Grants in the area of Inflammation for Chronic Conditions. Dr. Levings' project, "Allogeneic thymus-derived Tregs to prevent chronic inflammation in transplantation" is co-led by Drs. Ilona Dijke and Lori West, and will be carried out at BC Children's Hospital Research Institute. [Read More](#)

Faculty Members Honoured at the Academic and Emeriti Recognition Ceremonies

UBC Medicine



Last month, UBC's Faculty of Medicine virtually celebrated the academic achievements and distinguished careers of faculty members during the Academic Gowns and Emeriti Recognition Ceremonies. Dr. Alex Scott (pictured) was recognized during the ceremony for his promotion from Associate Professor to Professor in the Department of Physical Therapy. [Read More](#)

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Local News

Five Actions Essential to Supercharge BC's Life Sciences Industry

Vancouver Economic Commission



British Columbia and the Vancouver region in particular has a proud history of supporting globally impactful life sciences organizations, and the industry employs an estimated one in 140 workers in the province. Notable Vancouver companies include STEMCELL Technologies and Zymeworks, and the rising stars of Acuitas Therapeutics and Precision NanoSystems. [Read More](#)

New Study Aims to Solve the Puzzle of COVID-19's Long-Term Impact

Centre for Health Evaluation & Outcome Sciences (CHEOS)



Why do some people infected with the virus that causes COVID-19 get severe disease while others have no symptoms? Why do some experience long-term effects and others recover quickly? These are some of the questions that a new study, launching this week at St. Paul's Hospital, aims to answer. Led by CHEOS Scientist Dr. Anita Palepu (pictured), the BC arm aims to enrol 500 people who test positive for COVID-19, or who recently tested positive. [Read More](#)

How I Learned to Embrace My Identity as an Academic with Immigrant Working-Class Roots

Science Magazine



In this article, Dr. Sheila Teves (pictured), Assistant Professor in the Department of Biochemistry and Molecular Biology at UBC and a 2020 Wall Scholar at the Peter Wall Institute for Advanced Studies, shares how she came to embrace her identity as both a scientist in academia and a Filipina immigrant from a working-class household. [Read More](#)

Enhancing the Understanding of How Diseases Occur in One Organ but Not Another

UBC Life Sciences Institute



An international team led by Dr. Leonard Foster (pictured) at UBC has used proteomics to map how proteins interact, revealing how the same protein, expressed in two different tissues, can have dramatically different impacts. The findings provide a tissue-specific view of protein-protein interactions. The team used mass spectrometry to examine these dynamics across seven tissues, including the brain, heart, skeletal muscle, lung, kidney, liver, and thymus. [Read More](#)

Tackling the Science behind the Long-Term Effects of COVID-19

UBC Medicine



When COVID-19 emerged, Dr. Chris Carlsten (pictured), UBC Professor and Head of the Division of Respiratory Medicine, and his team immediately began tracking patients discharged from hospital. As part of a two-year study examining respiratory outcomes, the researchers have continued to follow and monitor COVID-19 patients, capturing CT scans and routinely testing their lung function. [Read More](#)

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 **Upcoming Events in Vancouver**

July 14

11:00 AM

Translating Discovery to Transform Health: Untold Stories from Medical Research

Online

July 14

11:45 AM

Shedding Light On the Risks of Anticholinergic Drugs: New Information on Risk of Dementia and Harm in the Frail Elderly

Online

July 14

12:00 PM

Silane-Mediated Direct Amide Bond Formation

Online

July 21

10:00 AM

Literature Reviews for Engineering, Forestry, Health Science, Land & Food Systems, and Science

Online

July 23

12:00 PM

Knowledge Translation and Public Engagement: Using Theory to Build Practice during the COVID-19 Crisis

Online

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 **STEMCELL Jobs in Vancouver**

Research Technologist, Chemistry

[STEMCELL Technologies](#)

Senior Research Technologist, Pluripotent Stem Cell Biology

[STEMCELL Technologies](#)

Manufacturing Technologist, Clean Room

[STEMCELL Technologies](#)

Sales Development Representative

[STEMCELL Technologies](#)

Director, Equipment

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 **Other Science Jobs in Vancouver**

Research Assistant

UBC

Research Scientist, Screening Technology Development

AbCellera

Clinical Scientist

Zymeworks

Research Associate, Antibody Characterisation

adMare Bioinnovations

Scientist, Computational Biology

Chinook Therapeutics

[View 77 Other Science Jobs](#) | [Submit a Job](#)

Submit your articles and events by reaching out to us at info@scienceinvancouver.com.

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