

### Publications of the Week

## Selectively Targeting the Dimerization Interface of Human Androgen Receptor with Small-Molecules to Treat Castration-Resistant Prostate Cancer

First Author: Kush Dalal (*right*) | Senior Authors: Paul Rennie (*left*) and Artem Cherkasov  
Cancer Letters | Vancouver Prostate Centre and UBC



The androgen receptor (AR) is activated by steroid recruitment to its ligand binding domain (LBD), followed by receptor nuclear translocation and dimerization via the DNA binding domain (DBD). The authors employed computer-aided drug-design to develop small molecules that block the AR-DBD dimerization interface. [Profile](#) | [Abstract](#)

## CALCOCO2/NDP52 and SQSTM1/p62 Differentially Regulate Coxsackievirus B3 Propagation

First Author: Yasir Mohamad | Senior Author: Honglin Luo (*pictured*)  
Cell Death & Differentiation | Centre for Heart Lung Innovation and UBC



Positive-stranded RNA viruses have evolved strategies to circumvent host autophagic machinery in an effort to promote viral propagation; however, the underlying mechanisms remain largely unclear. The authors studied the interaction between coxsackievirus B3 and the autophagy receptor SQSTM1 (sequestosome 1)/p62 and CALCOCO2/NDP52 (calcium binding and coiled-coil domain-containing protein 2/nuclear dot 10 protein 52). [Abstract](#)

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### Awards

## 2018 Faculty of Medicine Award Recipients

UBC Faculty of Medicine



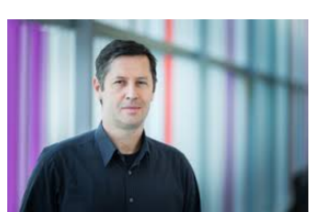
Each year, the UBC Faculty of Medicine recognizes faculty and staff members for excellence in teaching, research, administration, innovation and public service. This year, Dr. John Cairns (*pictured*) has been awarded the UBC Award for Excellence in Mentoring Early Career Faculty. This award recognizes faculty members who exemplify a deep commitment to fostering the development of faculty members in the early stages of their academic careers. [Read More](#)

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### Local News

## Concussions Loosen Insulation around Brain Cells

UBC Faculty of Medicine



Detailed scans of concussed UBC hockey players studied by Dr. Alex Rauscher (*pictured*) have shown that the protective fatty tissue surrounding brain cell fibers was loosened two weeks after injury—even though the athletes felt fine and were deemed ready to return to the ice. Loosening of that insulation, called myelin, slows the transmission of electrical signals between neurons. [Read More](#)

## TRIUMF is Trying to Create the Rarest Drug on Earth

Storyhive via Youtube



Using a particle accelerator, a team of scientists at TRIUMF, including PhD student Andrew Robertson (*pictured*), is attempting to make a rare radioactive element, actinium, that could revolutionize cancer treatment. TRIUMF's mission is to serve as Canada's particle accelerator centre, and to advance isotope science and technology, both fundamental and applied. [Watch Now](#)

## New Test Aims to Help Identify Thousands in B.C. Unknowingly Living with Hepatitis C

Global News



There is currently no official program to screen adults for hepatitis C. Now, a new pilot project seeking to screen adult British Columbians is hoping to change the situation. Five pharmacies in the Lower Mainland are offering screening through a new \$24 finger-prick test called OraQuick HCV that can turn results around in just twenty minutes. [Read More](#)

## UBC Alumnus Sees Big Potential for Tiny Yeast

UBC Science



Biochemist and molecular biologist Dr. Matthew Dahabieh (*pictured*) originally planned to head to medical school, but along the way got sidetracked by a tiny but mighty microorganism. As CSO of Renaissance BioScience, a fermentation sciences company, Dr. Dahabieh is now on the lookout for problems that he can solve with yeast. [Read More](#)

## SFU Team Receives Funding to Expand Systems of Worldwide Health Research Databases

SFU Faculty of Science



The Canadian Institutes of Health Research has announced \$800,000 in funding to expand SFU's iReceptor initiative. iReceptor is a newly developed platform for managing massive repositories of worldwide distributed data that researchers can securely access in their quest to develop new therapies for autoimmune and infectious diseases and cancer. [Read More](#)

## CDRD Academy Announces Inaugural Cohort in Unique New National Executive Institute

The Centre for Drug Research and Development



The Centre for Drug Research and Development (CDRD) has announced the first cohort of the CDRD Academy's Executive Institute. CDRD and Pfizer Canada launched the Executive Institute under the umbrella of the CDRD Academy. The Institute is a 10-month, focused executive development program open to a limited number of senior-level life sciences professionals annually. [Read More](#)

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### Upcoming Events in Vancouver

- |                         |   |
|-------------------------|---|
| September 18<br>6:30 PM | <b>Et Al III: The Ultimate Bar Science Night</b><br>Rio Theatre   |
| September 19<br>4:30 PM | <b>Serving up Science: Plant Genomics and the Future of Food</b><br>Vancouver Convention Centre                           |
| September 20<br>7:00 PM | <b>Brews, Builds 'N' Bytes Night</b><br>Storm Crow Alehouse   |
| September 21<br>7:00 PM | <b>Beasty Habits: The Exploitation of Animals for Fashion in the 20<sup>th</sup> Century</b><br>Beaty Biodiversity Museum |
| September 24<br>9:00 AM | <b>International Chemical Biology Society 7<sup>th</sup> Annual Conference</b><br>Vancouver Playhouse                     |

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### STEMCELL Jobs in Vancouver

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STEMCELL Technologies
- Scientist, Cell Culture Media and Cell Line Development**  
STEMCELL Technologies
- Senior Manager, Nanoparticle Engineering**  
STEMCELL Technologies
- Scientific Marketing Specialist, Pulmonary**  
STEMCELL Technologies
- Research Technologist, Pancreatic**  
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### Other Science Jobs in Vancouver

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Amgen
- Lead Microbiologist**  
Anandia Labs
- Research Associate**  
UBC Faculty of Medicine
- Lab Technician**  
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