

Publications of the Week

Patient-Derived Hormone-Naive Prostate Cancer Xenograft Models Reveal Growth Factor Receptor Bound Protein 10 as an Androgen Receptor-Repressed Gene Driving the Development of Castration-Resistant Prostate Cancer

First Author: Jun Hao (*back, fourth from right*) | Senior Author: Yuzhuo Wang (*front, second from right*)
European Urology | The Vancouver Prostate Centre, the BC Cancer Agency, and UBC



Although androgen deprivation therapy is initially effective in controlling growth of hormone-naive prostate cancers (HNPCs) in patients, currently incurable castration-resistant prostate cancer (CRPC) inevitably develops. The authors examined patient-derived xenografts of HNPCs that develop CRPC following host castration for changes in expression of genes at various time points after castration using transcriptome profiling analysis. [Profile](#) | [Abstract](#)

Systemic Study of Solvent-Assisted Active Loading of Gambogic Acid into Liposomes and Its Formulation Optimization for Improved Delivery

First Author: Wei-Lun Tang | Senior Author: Shyh-Dar Li (*pictured*)
Biomaterials | UBC



The solvent-assisted active loading technology (SALT) was developed for encapsulating a water insoluble weak base into the liposomal core in the presence of 5% DMSO. The authors further examined the effect of various water miscible solvents in promoting active loading of other types of drugs into liposomes.

[Abstract](#)

Fluvastatin for Lowering Lipids

First Author: Stephen Adams | Senior Author: James Wright (*pictured*)
The Cochrane Database of Systematic Reviews | UBC



Fluvastatin is thought to be the least potent statin on the market; however, the dose-related magnitude of effect of fluvastatin on blood lipids is not known. The authors sought to quantify the effects of various doses of fluvastatin on blood total cholesterol, low-density lipoprotein, high-density lipoprotein, and triglycerides in participants with and without evidence of cardiovascular disease. [Abstract](#)

Awards

Lara Boyd and Jennifer Gardy Named B.C.'s Most Influential Women of 2018: Stem Stars

UBC Faculty of Medicine



Dr. Lara Boyd, Associate Professor in the Department of Physical Therapy, and Dr. Jennifer Gardy (*pictured*), Associate Professor in the School of Population and Public Health, are among twelve members of UBC who have been named B.C.'s most influential women of 2018: Stem Stars by *BC Business*. This honour is bestowed upon women who have made vital contributions to science, technology, engineering and math in B.C. [Read More](#)

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Local News

Hancock Lab Demonstrates the Role of a Bacterial Starvation Response in Wound Infections

The Centre for Blood Research



Dr. Robert Hancock (*pictured*) is exploring the importance of a specific stress response called the stringent response, and its mechanism in infection and virulence of a notoriously drug resistant pathogen, *Pseudomonas aeruginosa*. His research indicates that this response plays a large role in skin infections, and that treatment with specific small peptides can target the stringent response to inhibit adaptive bacterial behaviour, thereby overcoming resistance and virulence in deep skin infections. [Read More](#)

Canadian Open Neuroscience Platform Launches with Participation from UBC Researchers

Djavad Mowafaghian Centre for Brain Health



For Canadian neuroscientists, the Canadian Open Neuroscience Platform will make data collected through imaging, genome mapping, and other research methods accessible and easier to share with colleagues across the country, improving the odds of producing big discoveries as research data become available to more researchers. [Read More](#)

Naturejobs Podcast: Paula Littlejohn

Michael Smith Laboratories

One year ago, Paula Littlejohn (*pictured*), made a difficult decision to transition from a decade long career in the pharmaceutical industry to a full time PhD student under Dr. Brett Finlay at UBC. As hard as career path decisions are to make for



most people, Paula has done so with the consideration that she and her husband have five children. Naturejobs interviewed Paula about her journey as she has adapted to an academic career. [Read More](#)

A New Home for UBC Sports Medicine and Exercise Science

UBC Faculty of Medicine



Exploring the benefits of exercise, improving athletic performance and treating sports-related injuries will be the focus of a new building that officially opened at UBC. The Chan Gunn Pavilion, a new facility for the Faculty of Medicine, will house physicians and physical therapists who treat about 3,500 patients a month. It will also be used by faculty and students from the School of Kinesiology, which is part of the Faculty of Education, to explore the body's response to exercise. [Read More](#)

Zymeworks Advances Clinical Candidate Incorporating Technology from Kairos Acquisition

Zymeworks



Zymeworks Inc., a clinical-stage biopharmaceutical company developing multifunctional therapeutics, has announced that ZW49 is the first product candidate selected for clinical development utilizing the ZymeLink™ antibody-drug conjugate platform, acquired as part of the company's 2016 acquisition of Kairos Therapeutics. [Read More](#)

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Interesting Articles

Our Government Has Made the Biggest Investment in Science in Canada's History

The Muse



This year's federal budget will increase funding to the government's Innovation and Skills Plan, which according to the government of Canada's website is focused on the strengthening of the middle class through supporting entrepreneurial developments. Over the next five years, \$4 billion will be invested in Canadian research and researchers. [Read More](#)

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Upcoming Events in Vancouver

March 27
7:30 PM

Café Scientifique

Yagger's Downtown

March 29
5:00 PM

Dinosaurs in Your Backyard: Exploring BC's Trackways
Beaty Biodiversity Museum

March 29
5:00 PM

Discussions Relevant to Inspiring New Knowledge and Science
Mahony and Sons, Stamps Landing

March 29
7:00 PM

**Dr. Knut Woltjen Public Lecture – Genes and Cells: The Living
Drugs of a New Medical Era**
Life Sciences Institute, UBC

April 1
1:00 PM

Dinosaur Behaviour Is Way Cool Because . . .
Beaty Biodiversity Museum

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Science Jobs in Vancouver

Quality Control Analyst

STEMCELL Technologies

Research Technologist, Pulmonary

STEMCELL Technologies

Senior Research Assistant

Simon Fraser University

Scientific Recruiter

Kelly Services

Severe Asthma Clinic Patient and Research Coordinator

Providence Health Care Research Institute

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