

Publications of the Week
Assessment of Long Non-Coding RNA Expression Reveals Novel Mediators of the Lung Tumour Immune Response

 First Author: Adam Sage (pictured, left) | Contributing Author: Erin Marshall (pictured, right) | Senior Author: Wan Lam
 Scientific Reports | BC Cancer


The authors sought to identify the landscape of tumour-infiltrating immune cells in the context of long non-coding RNA (lncRNA), known regulators of gene expression. They discovered lncRNA expression patterns indicative of regulatory relationships with immune-related protein-coding genes, including the relationship between AC008750.1 and NKG7 in NK cells. [Profile](#) | [Abstract](#)

GRB10 Sustains AR Activity by Interacting with PP2A in Prostate Cancer Cells

 First Author: Jun Hao | Senior Author: Yuzhuo Wang (pictured)
 International Journal of Cancer | Vancouver Prostate Centre and BC Cancer


Prostate cancer (PCa) progression is driven by androgen receptor (AR) signaling. The authors analyzed transcriptomic data from GRB10 knockdown in PCa cells and found that AR signalling was downregulated. Mechanistically, GRB10 knockdown increased PP2Ac protein stability, which in turn decreased AR serine 81 phosphorylation and reduced AR activity. [Profile](#) | [Abstract](#)

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Local News
UBC Researcher Helps Map the Human Proteome

Centre for Blood Research



Twenty years after the release of the human genome, the genetic "blueprint" of human life, an international research team including UBC's Dr. Chris Overall (pictured) has mapped the first draft sequence of the human proteome. With 90 per cent of the proteins in the human body now mapped, Overall says scientists have a deeper understanding of how individual proteins interact to influence human health, providing insights into disease prevention and individualized medicine. [Read More](#)

To Be or Not to Bee, That Is Their Question

Research2Reality



While the number of beekeepers in Canada is rising, bee species that used to thrive are disappearing. Numerous factors affect pollinator health, from pests and parasites, to weather and pesticides. But when a queen and her colony dies, beekeepers can only guess at the cause. Researchers at UBC and North Carolina State University want to change that. [Read More](#)

Sex-Based Differences in Methylation So Striking – Male and Female Germ Cells Could Originate from Different Species

UBC Life Sciences Institute



New research from Dr. Kenjiro Shirane (pictured) in the Lorincz lab at UBC makes a significant contribution to answering one of the lingering epigenetic mysteries in developmental biology: how can sperm and eggs of the same species have DNA methylation profiles so different from one another? The researchers have demonstrated that male and female germ cells use related but distinct histone methyltransferases to direct DNA methylation across the genome. [Read More](#)

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Upcoming Events in Vancouver

October 28 5:00 PM	Battle Lines: Fighting COVID-19 at the Intersection of Policy, Treatment and Prevention Online
October 29 1:00 PM	SCWIST Workshop: Getting Started with SciComm through Video Online
November 2-3 9:00 AM	LifeSciences BC Investor Summit 2020 Online
November 5-6 9:00 AM	BCREGMED & ISCRM Cascadia Corridor Research Symposium Online
November 7 9:00 AM	Girls and STEAM 2020 Virtual Symposium Online

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Michael Smith Laboratories
- Project Manager, Research Project Management (Oncology)**
Zymeworks
- Research Assistant/Technician 2**
UBC Faculty of Pharmaceutical Sciences

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Free Wallchart:
Growing Organoids from Stem Cells

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