

**Publications of the Week**

### Circulating Tumour DNA Identifies Diverse Landscape of Acquired Resistance to Anti-Epidermal Growth Factor Receptor Therapy in Metastatic Colorectal Cancer

 First Author: James Topham | Senior Author: Jonathan Loree *(pictured)*  
 Journal of Clinical Oncology | BC Cancer and UBC


Anti-epidermal growth factor receptor (EGFR) antibodies are effective treatments for metastatic colorectal cancer. Improved understanding of acquired resistance mechanisms may facilitate circulating tumour DNA monitoring, anti-EGFR rechallenge, and combinatorial strategies to delay resistance. The authors identified multiple novel mutations, copy gains, and fusions associated with EGFR therapy that frequently co-occur as subclonal alterations in the same patient.

[Abstract](#)

### Consequences of Adjusting Cell Density and Feed Frequency on Serum-Free Expansion of Thymic Regulatory T Cells

 First Author: Katherine MacDonald | Senior Author: Megan Levings *(pictured)*  
 Cytotherapy | BC Children's Research Institute, Michael Smith Laboratories, and UBC


Given the promising results from phase 1/2 clinical trials of therapy involving regulatory T cells (Tregs), it is critical to develop Treg manufacturing methods that use well-defined reagents. Seeking to maximize expansion of human thymic Tregs activated with anti-CD3/CD28 antibody-coated beads and cultured in serum-free medium, the authors investigated the effect of adjusting process parameters including cell density and cell concentration, and feeding strategy on Treg yield and quality.

[Abstract](#)
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**Awards**

### Three Faculty Members Elected as Fellows of the Canadian Academy of Health Sciences

UBC Faculty of Medicine



UBC Faculty of Medicine's Drs. Karim Khan, Kathleen Martin Ginis, and Julio Montaner *(pictured)* are among 71 new Fellows elected into the Canadian Academy of Health Sciences (CAHS) for 2022. Election to Fellowship in the CAHS is considered one of the highest honours for individuals in the Canadian health sciences community.

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### FHS Professors Angela Kaida and Meghan Winters Named to Royal Society of Canada

SFU Faculty of Health Sciences



Two SFU Faculty of Health Sciences (FHS) Professors, Drs. Angela Kaida *(pictured, left)* and Meghan Winters *(right)*, were named as College Members of the Royal Society of Canada for 2022. Members of the College are recognized for their remarkable contributions in the arts, the humanities, and sciences, and is Canada's highest academic honour.

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### Faculty Members Named to the Royal Society of Canada

UBC Faculty of Medicine



The Faculty of Medicine's Dr. Steven Miller and Dr. Fabio Rossi *(pictured)* are among 102 new Fellows elected to the Royal Society of Canada (RSC) in recognition of their outstanding scholarly and scientific achievement. The fellowship of the RSC comprises over 2,500 Canadian scholars, artists, and scientists, peer-elected as the best in their field.

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### Dr. Connie Eaves Receives Till & McCulloch Lifetime Achievement Award for Her Steadfast Contributions to Canada's Stem Cell Research Community

Stem Cell Network



Dr. Connie Eaves *(pictured)*, a distinguished scientist at UBC and Terry Fox Laboratory, will receive the Till and McCulloch Lifetime Achievement Award in recognition of her longstanding, pivotal contributions to the field of stem cell research, and her dedication to training the next generation of scientists.

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**Local News**

### The Difference in Treatment Is More Than Peanuts

Research2Reality



Having a peanut allergy can be hard: there are peanuts in many foods, cooking oils, and in non-edible products such as shampoos and creams. Further, a peanut allergy is most often lifelong and deadly, meaning even the slightest exposure to a peanut can cause someone to go into anaphylactic shock. But what if there was a way to reduce the risk of severe peanut allergies?

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### Old Drugs Hint at New Ways to Beat Chronic Pain

Life Sciences Institute (LSI)



A new study points to possible new treatments for chronic pain, with a surprising link to lung cancer. The work was spearheaded by LSI Director Dr. Josef Penninger *(pictured)* and Dr. Clifford Woolf, Professor of Neurology and Neurobiology at Harvard Medical School and Director of the F.M. Kirby Neurobiology Center at Boston Children's Hospital, along with researchers from the Institute of Molecular Biotechnology of the Austrian Academy of Sciences.

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### Online Reports Successful US Phase 2 Trial Data

Ondine Biomedical



Ondine Biomedical has announced that its Phase 2 BENEFIT-APDT clinical trial has met the primary endpoint of bacterial load reduction after nasal photodisinfection. Results from the study showed that nasal photodisinfection eliminated or significantly decreased *S. aureus* in 92% of carriers immediately after treatment. There were no reportable adverse events or unexpected safety issues.

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### Upcoming Events in Vancouver

- September 15 8:00 am **Life Sciences BC Annual General Meeting 2022**  
Fasken Vancouver Office & Online
- September 15 - 18 8:30 am **ISCOs Annual Scientific Meeting**  
Vancouver Convention Centre
- September 15 4:00 pm **Meet ICORD**  
Blusson Spinal Cord Centre
- September 15 4:30 pm **Biodiversity Conservation in the Age of Extinction**  
Vancouver Convention Centre West
- September 16 11:00 am **Exploring Microglia Function in the Healthy and Alzheimer's Disease Brain**  
Djavad Mowafaghian Centre for Brain Health & Online

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### STEMCELL Jobs in Vancouver

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- Senior Manager, International Marketing**  
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### Other Science Jobs in Vancouver

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Canada's Michael Smith Genome Sciences Centre
- Senior Director, Early Development**  
AbCellera
- Assistant Professor in Evolutionary Biology**  
UBC
- Cloning Technical Support Specialist, Biotechnology**  
Applied Biological Materials
- Research Assistant**  
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