

Joint with: Somatic Mosaicism in Human Development, Aging & Diseases

Cell Competition: Fitness, Diversity & Adaptation Across Scales & Species

MAR 7–10, 2027 | FAIRMONT HOTEL VANCOUVER, VANCOUVER, BC, CANADA

SCIENTIFIC ORGANIZERS



Laura A. Johnston
Columbia University



Thomas P. Zwaka
Icahn School of Medicine at Mount Sinai



Tristan A. Rodriguez
Imperial College London



Cell competition is a fundamental feature of biology across evolution, contributing to morphogenesis, tissue homeostasis, and disease, including clonal evolution in cancer, regeneration failure, aging, and responses to microbial infection. This conference unites cross-disciplinary scientists to present cutting-edge data and technical approaches in model systems over an evolutionary scale: bacteria, early chordates, Drosophila, zebrafish, mouse, human organoids, and patient tissues. These insights will reveal actionable therapeutic targets and biomarkers to modulate competitive dynamics in the clinic. Our goal is to establish cell competition as a framework informing normal biology, organismal development, and disease.

FEATURED PROGRAMMING

- **Panel Discussion: Technological Innovations in Studying Cell Competition**
- Cell Competition as Quality Control I: Genome Integrity & Cellular Fitness
- Cell Competition as Quality Control II: Metabolism & Stress Surveillance
- Cell Competition in Tissue Formation
- Homeostasis, Aging & Disease
- Integrating Old & New Models & Cellular Contexts
- **Career Roundtable**

KEYNOTE SPEAKER

Harmit S. Malik
Fred Hutchinson Cancer Research Center

CONFIRMED SPEAKERS

Ivana Barbaric
Stephanie Ellis
Tatsushi Igaki
Marianthi Kiparaki
Romain Levayer
Nuria Lopez-Bigas
Marco Milán
Eugenia Piddini
Rachel Smith-Bolton
Miguel Torres
Jean-Paul B. Vincent
Jun Wu
Qing-Feng Wu
Leonard I. Zon



Scholarship & Short Talk Deadline: Nov 24, 2026
Discounted Registration Deadline: Jan 5, 2027
Poster Abstract Deadline: Feb 12, 2027
***Deadlines, speakers, and meeting info subject to change. Check meeting site for the latest details.*

MARK YOUR CALENDAR

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