

UNIVERSITY
of GUELPH

COLLEGE of
BIOLOGICAL SCIENCE

DEPARTMENT OF MOLECULAR
AND CELLULAR BIOLOGY

Seminar SPEAKER SERIES

2022-2023

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SSC 2315

DR. HONG HAN

Associate Professor,
Department of Biochemistry and Biomedical Sciences
Centre for Discovery in Cancer Research

MCMASTER UNIVERSITY

Topic: Embracing complexity to achieve precision: multilayer cell fate control in development and cancer

Dr. Hong Han received her B.Sc. Honours degree at the University of British Columbia and her Ph.D. degree in the Department of Molecular Genetics, University of Toronto, under the supervision of Dr. Benjamin Blencowe and Dr. Jason Moffat. During this period, she received 18 scholarships and awards. Immediately after her Ph.D. in 2016, Dr. Han was honored as the first recipient of the prestigious Donnelly Home Research Fellow Fund at the University of Toronto, which allowed her to become a semi-independent investigator to develop projects and supervise a research team. In addition, her research has been supported by funding from CIHR, Simons Foundation, and MITACS.



Dr. Han is currently an Assistant Professor at the Department of Biochemistry and Biomedical Sciences and a Principal Investigator at the Centre for Discovery in Cancer Research, McMaster University. The Han Lab works at the interface of cancer biology, RNA and multilayer gene regulation, and high-throughput technologies. Dr. Han and her team have pioneered developing and applying several integrated technological platforms for large-scale genetic/drug screening and ultra-high-throughput single-cell profiling. Leveraging the power of these systematic experimental and computational approaches, together with in vitro, in vivo, and patient cohort studies, they discover multilayer regulatory mechanisms underlying cancer progression and RNA-multimodal therapeutics for treatment-resistant cancer. Her team strives to create a collaborative, supportive, and stimulating environment for multi-disciplinary cancer research.

All welcome to attend
Light refreshments to be served

More information on MCB's website:
www.uoguelph.ca/MCB