

UNIVERSITY
of GUELPH

COLLEGE of
BIOLOGICAL SCIENCE

DEPARTMENT OF MOLECULAR
AND CELLULAR BIOLOGY

Seminar SPEAKER SERIES

2019 - 2020

JAN **WED** **15** **10:30**
AM

Summerlee
Science Complex
SSC 2315

DR. TAMI MARTINO

PROFESSOR, DEPARTMENT OF BIOMEDICAL SCIENCES, UNIVERSITY OF GUELPH

DIRECTOR, CENTRE FOR CARDIOVASCULAR INVESTIGATIONS

MCB HOST: JONES LAB

Timing is Everything – Circadian Medicine Benefits Heart Health and Improves Life

Dr. Tami Martino's research focuses on applying circadian biology, the body's 24-hour sleep and wake cycle, to clinical medicine. Through this research, Dr. Martino's group is pioneering a new field called "Circadian Medicine", which will improve the treatment of patients with cardiovascular disease. Her research investigates how circadian dysregulation drives heart diseases such as myocardial infarction (heart attack), cardiac hypertrophy, heart failure, and aging. Moreover, her research is revealing how the hearts' circadian biology can be therapeutically manipulated using genetic, environmental or pharmacologic approaches to prevent, slow or reverse heart disease. Her research also reveals how circadian biology underlies women's heart health, an area of contemporary clinical concern. Importantly, Circadian Medicine can also be applied to improve the health of patients with virtually every major clinical condition, and it's also applicable to veterinary medicine, aquaculture, agriculture, and more.



All welcome to attend
Light refreshments will be served

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