

WATERLOO

# CIRCADIAN RHYTHMS: MOLECULES, NEURONS AND CIRCUITS



## DR. MICHAEL ROSBASH

**2012 Canada Gairdner Laureate**

Investigator, Howard Hughes Medical Institute  
Professor of Biology, Brandeis University

**TUESDAY,  
OCTOBER 23, 2012  
2:00 - 3:30 PM**

William G. Davis Computer Research  
Centre (DC) Room 1302  
University of Waterloo

Michael Rosbash has been instrumental in revealing the molecular basis of circadian rhythms, the built-in biological clock that regulates sleep and wakefulness, activity and rest, hormone levels, body temperature, and other functions. Using the fruit fly *Drosophila*, he identified genes and proteins involved in regulating the clock and proposed a theory of how the clock works. Rosbash's discoveries could ultimately lead to the development of drugs to treat insomnia, jet lag, and other sleep disorders.

**RESERVE YOUR SEAT BY FRIDAY, OCTOBER 19**

[uwaterloo.ca/applied-health-sciences/events/gairdner-lecture-university](http://uwaterloo.ca/applied-health-sciences/events/gairdner-lecture-university)

You are also welcome to attend Dr. Rosbash's high school student lecture - Circadian rhythms: Time travels - on Tuesday, October 23 from 10:30 - 11:30 am in DC Room 1302

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**2012  
University Lectures  
Canada**

Info: Pamela Hurvid, [ahsinfo@uwaterloo.ca](mailto:ahsinfo@uwaterloo.ca), 519-888-4567 ext. 36220

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