129th WPI-IIIS Seminar

Social Behavior in worm larvae

After starvation, newly hatched *C.elegans* larvae come together spontaneously to form aggregates. Neither the purpose nor the mechanism of this aggregation behavior are known. We have developed a simple chemotaxis model (loosely based on the classic Keller-Segel model for slime mold aggregation) to explain the mechanism. I have developed numerical simulations based on this model. These simulations are partly successful in reproducing some aspects of the behavior.

Dr. Leon Avery

University of Waterloo

Date: **Thursday, April 12, 2018**
Time: **12:00 – 13:00**
Venue: **1F Auditorium, IIIS Building**

IIIS
INTERNATIONAL INSTITUTE FOR INTEGRATIVE SLEEP MEDICINE

wpi

Contact: International Institute for Integrative Sleep Medicine, University of Tsukuba
029-853-8080 (ext. 8080) | wpi-iiis-alliance@ml.cc.tsukuba.ac.jp