

92nd WPI IIS Seminar

Paradigms for autophagy modulation in humans

Damaged organelles, aggregated proteins, invading pathogens, and other intracellular material can be sequestered and delivered to the lysosome for degradation via autophagy. The genes that encode the core autophagy machinery are highly conserved throughout eukaryotes, where they mediate protection in the face of nutrient depletion or infection. In multicellular organisms, autophagy additionally contributes to specific developmental programs and protects against cancer, neurodegeneration, metabolic dysfunction, and autoimmune disease. I will present my recent and ongoing efforts to identify, characterize, and pharmacologically target autophagy-controlling elements within the human genome.

Speaker:



Dr. Malia B. Potts

Department of Cell and Molecular Biology
St. Jude Children's Research Hospital

Date: Monday, November 21, 2016

Time: 12:30 - 13:30

**Venue: 1F Auditorium, IIS Building
University of Tsukuba**

★ Light refreshments will be served



**Contact: International Institute for Integrative Sleep Medicine
Phone: 029-853-8080 (ext. 8080)**