47th WPI IIIS Seminar

"The systemic regulation of physiological rhythm, aging and longevity in mammals: Is anti-aging intervention realistic?"

Our goal is to understand the systemic regulation of aging and longevity in mammals and translate that knowledge into an effective anti-aging intervention in humans. We have demonstrated that the mammalian NAD+-dependent protein deacetylase SIRT1 in the hypothalamus, particularly in the DMH and LH, plays a crucial role in aging/longevity control, implicating the hypothalamus as a high-order "control center of aging" in mammals. We have also found that a novel factor enriched in the compact region of the DMH is important for the quality/depth of sleep. With these findings, I will discuss whether and how we could control the process of aging in mammals.

Speaker: Dr. Shin-ichiro Imai

Department of Developmental Biology
Department of Medicine (Joint)
Washington University School of Medicine

Date: Monday, October 27, 2014
Time: 11:00-12:00
Venue: Room #402, 4F, Health and Medical Science Innovation Laboratory, University of Tsukuba

IIIS
INTERNATIONAL INSTITUTE FOR INTEGRATIVE SLEEP MEDICINE

wpi

Contact: International Institute for Integrative Sleep Medicine
Phone: 029-853-5857 (ext. 5857)