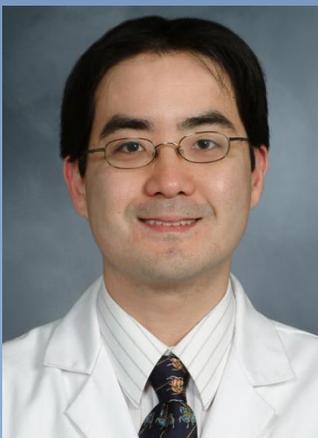


76th WPI IIS Seminar

The “Weighty” Matters of Alzheimer’s disease: Body Weight and Leptin Signaling Dysfunction in Alzheimer’s disease

Cognitive deficits are the major manifestations of Alzheimer’s disease (AD); however, weight loss can precede the mental decline and correlates with disease severity. Thus, brain circuits controlling body weight may be altered early in AD and could be intrinsic to AD pathobiology. In mouse models, we found that amyloid-beta, a major pathogenic factor in AD, could inhibit hypothalamic neurons in the leptin pathway, which was associated with early body weight/metabolic deficits. Ongoing research seeks to elucidate the mechanisms underlying the body weight/metabolic deficits and hypothalamic dysfunction in AD using both mouse models and clinically relevant human studies.



Speaker:

Dr. Makoto Ishii

Feil Family Brain and Mind Research Institute and Department of Neurology
Weill Cornell Medical College

Date: Tuesday, March 1, 2016

Time: 12:00 - 13:00

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

★ Light refreshments will be served



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