

# 54<sup>th</sup> WPI IIS Seminar

## “Possible involvement of low-grade systemic inflammation in sensorimotor gating deficits: a study of a ‘schizophrenia-like’ mouse model”

Recently, low-grade systemic inflammation has attracted notable attention in psychiatric disease or metabolic syndrome research, including obesity. High-fat diet (HFD) mice show not only low-grade systemic inflammation but also sensorimotor gating deficits, a characteristic phenotype observed in schizophrenia. Focusing on HFD mice as an animal model of schizophrenia, I will discuss the mechanism of inducing sensorimotor gating deficits and the possible role of inflammatory cytokines in the pathogenesis of schizophrenia. The relationship between inflammatory cytokines and sleep disorders will also be discussed.



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**Date:** Wednesday, February 25, 2015

**Time:** 14:00-15:00

**Venue:** Room #402, 4F, Health and Medical Science Innovation  
Laboratory, University of Tsukuba



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