

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

## “Impact of Protein Quantification by LC-MS/MS to the Blood-Brain Barrier Research”

It will be introduced how protein quantification by LC-MS/MS is a useful strategy for the blood-brain barrier (BBB) research. Several examples clarifying in vitro versus in vivo differences, species differences and disease-related differences of the BBB function will be shown. Moreover, it will be shown that in vivo BBB transport activity can be reconstructed by the pharmacokinetic model combined with transporter protein quantification and in vitro transport studies.



Speaker: Dr. Tetsuya Terasaki

Division of Membrane Transport and Drug Targeting, Graduate School of Pharmaceutical Sciences, Tohoku University

**Date:** Monday, March 16, 2015

**Time:** 12:00-13:00

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

☆Light refreshments will be served.



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