

The 81th iCeMS SEMINAR

CeMI Seminar Series 23

Thu 2 June 2011

10:00-11:00

Functional Genomics: Phenotypic Screening to Identify Genes and Compounds that Promote Nerve Regeneration

Lecturer: **Prof. Vance P. Lemmon**

Department of Neurological Surgery
Miller School of Medicine, University of Miami

Venue: Seminar Room (#A207)
2nd Floor Main Building iCeMS Complex 1

Development and regeneration of the nervous system requires the regulated formation of axons and dendrites. A comprehensive understanding of neuronal process development on a molecular level is lacking. High Content Analysis (HCA) of primary neurons offers a powerful way to study how different genes and compounds influence neuronal differentiation. Four screens will be described, including in vivo experiments that validate the hits in promoting axon regeneration.

Contact: Aki Kusumi at akusumi@frontier.kyoto-u.ac.jp / Fax: 751-4113
Hosted by: iCeMS (Institute for Integrated Cell-Material Sciences), Kyoto University
Co-hosted by: Center for Frontier Medicine, Global COE Program, Kyoto University

