CSCB Seminar Series

Title:

"Blind-leading-the-blind - A phosphoproteomics guide to protein tyrosine phosphatase function."

Abstract:

Protein tyrosine phosphatases (PTPs) play critical roles in virtually all aspects of cellular function. Our laboratory is interested in how protein tyrosyl dephosphorylation, catalyzed by PTPs, participate in physiological and ultimately pathophysiological cellular processes. Elucidating how PTPs participate in regulating signal transduction pathways will extend our understanding of the regulation of protein tyrosyl phosphorylation in cellular physiology and will potentially uncover new therapeutic avenues for the treatment of human diseases. We have used targeted phosphoproteomics approaches to uncover novel PTP targets in disease pathways. These studies have uncovered unanticipated therapeutic targets for the treatment of PTP-driven diseases and revealed novel PTP-regulated cellular signaling mechanisms. Our progress in these areas of PTP research will be discussed.

Date:

6 December 2016 (Tuesday)

Venue:

Meeting Room 7C, Level 7
Duke-NUS Medical School
8, College Road,
Singapore 169857

Time:

12:00 p.m. - 1:00 p.m.

Host:

David Virshup, M.D.
Professor & Director
Programme in Cancer & Stem Cell Biology
Duke-NUS Medical School
Singapore

Speaker:

Anton M. Bennett, Ph.D.
Professor of Pharmacology and of Comparative Medicine
Yale University School of Medicine

1993 - Post-doc, Harvard Medical School
1995 - Post- doc, Cold Spring Harbor Laboratory
1998 - Asst. Prof. Yale Medical School, Dept. of Pharmacology
2003 - Assoc. Prof. Yale Medical School, Dept. of Pharmacology
2007 - Assoc. Prof. (Tenure) Yale Medical School, Dept. of Pharmacology
2010 - Co-Director Yale Program in Integrative Cell Signaling and Neurobiology of Metabolism
2013 - Professor of Pharmacology and of Comparative Medicine, Yale University School of Medicine

No registration is required. All are welcome.
Any enquiries, please contact: Jamie Liew (+65 6516 6954)