

City University of Hong Kong  
Department of Biomedical Sciences  
presents a seminar



## “MECHANISM AND CONSEQUENCES OF PROTEIN PALMITOYLATION”

by



**Prof. Maurine Linder**  
**Professor and Chair of Department of Molecular Medicine,**  
**College of Veterinary Medicine, Cornell University.**

**Date :** 19 January 2016

**Time:** 2.30pm to 4pm

**Venue:** TYB-2-130, 1/F, Block 2, To Yuen Building, City University of Hong Kong

### **About the speaker:**

Maurine Linder obtained her Ph.D. in Molecular and Cell Biology from the University of Texas at Dallas and did postdoctoral research in pharmacology with Nobel laureate Alfred Gilman at the University of Texas Southwestern Medical School. In 1993, she joined the faculty of the Cell Biology and Physiology department at Washington University School of Medicine where she rose through the ranks to professor. In 2009, she was recruited to Cornell to chair the Department of Molecular Medicine. Dr. Linder's research addresses the mechanism and consequences of protein S-palmitoylation, a reversible posttranslational modification of proteins that regulates membrane association, protein trafficking, and protein stability. Discovered in 2002, the DHHC (Asp-His-His-Cys) protein S-acyltransferases are responsible for palmitoylation of proteins on the cytoplasmic leaflet of cell membranes. DHHC-S-acyltransferases have been linked to a number of human diseases. Recent work has focused on the catalytic mechanism of DHHC proteins and their regulation by oligomerization. A second project seeks to identify the mechanism that underlies a syndromic form of X-linked intellectual disability caused by mutations in a Ras palmitoyltransferase encoded by the ZDHHC9 gene.

### **Contact**

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**All are welcome**