

SPECIAL GUEST SEMINAR

Hiderou Yoshida, PhD

Professor, School of Life Science University of Hyogo, Japan

Time: 10:00-11:00 on Tuesday June 4, 2019 Location: SSC 3317

Endoplasmic Reticulum (ER) Stress and Golgi Stress Responses - Organelle Autoregulation in Cell Physiology and Diseases

Eukaryotic cells have various organelles including the endoplasmic reticulum (ER) and the Golgi apparatus. The capacity of each organelle is regulated according to cellular demands, to maintain the homeostasis vital to the cell and the organism survival. The autoregulatory mechanisms controlling the ER and the Golgi are called the ER and the Golgi stress response, respectively, which have been implicated in various human diseases including Alzheimer's disease and diabetes mellitus. Organelle autoregulation is one of the most important issues in cell biology, and yet, many of the underlying molecular mechanisms are still unclear and have just begun to unfold.

Dr. Hiderou Yoshida is one of the leading scientists in the field of ER/Golgi stress response. He and his former advisor Dr. Kazutoshi Mori have played pivotal roles in establishment of the ATF6 and XBP1 pathways of the ER stress response. Along with Dr. Peter Walter, they have won multiple prestigious awards, including the 2009 Canada Gairdner International Award and the Lasker Award and the Shaw Prize in 2014, for their contributions.

In this seminar, Dr. Yoshida will present our current understanding and recent development of this important field and provide insights into potential future directions.

All Welcome to Attend. Host: Dr. Ray Lu, Molecular & Cellular Biology