



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY
Division of Life Science

Seminar Notice

“Multiple functions of the Origin Recognition Complex”

by

Prof. Igor N Chesnokov
Associate Professor, School of Medicine Faculty
University of Alabama at Birmingham, USA

Abstract

Our laboratory studies the molecular mechanisms of DNA replication and cell cycle progression in eukaryotes. Specifically, we focus on understanding the functions of the six-subunit Origin Recognition Complex (ORC) – key protein complex involved in the initiation of DNA replication. The functions of ORC also extend beyond DNA replication. We have shown that the smallest ORC subunit, Orc6, has an additional role in cytokinesis through interaction with the septin complex, a highly conserved polymerizing protein assembly that is critical for cytokinesis in many species and is recognized as important component of the cytoskeleton. During this seminar I will discuss our latest discoveries on structural and functional features of Orc6 that contribute directly to the roles of the protein in replication and cytokinesis.

Date : 26 January 2018 (Friday)

Time : 4:00 p.m.

Venue : Lecture Theatre C

The Hong Kong University of Science & Technology
Clear Water Bay, Kowloon

(Host faculty: Prof. Guang Zhu)

ALL ARE WELCOME!!