Institute of Molecular and Cell Biology
A*STAR

SEMINAR ANNOUNCEMENT

DATE: 11 January 2012, Wednesday
TIME / VENUE: 5:00PM @ IMCB Seminar Room 3-46, Level 3, Proteos, Biopolis
SPEAKER: Dr. Akihiro Narita
TITLE OF SEMINAR: **Structural analysis of the actin filament in vitro and in vivo**



The actin filament plays various and important roles in the eukaryotic cell, including cell adhesion, cell motility, cell division, cytoskeletal arrangement and muscle contraction. In most cases, the actin filament is dynamic through depolymerization and polymerization at the both ends, to form many types of actin filament network. We are trying to understand the actin filament network system in the cell by structural analysis of the actin filament in vitro and in vivo. I would like to review our recent progress; 1: Determination of the actin filament end structure in vitro by cryo-electron microscopy. 2: Polarity determination of the actin filament in the cell by electron tomography without myosin binding.

Host: Prof. Robert Robinson

For upcoming seminars in IMCB, please visit our website at
http://www.imcb.a-star.edu.sg/php/seminars.php