



Institute of
Molecular and
Cell Biology

SEMINAR ANNOUNCEMENT

We would like to invite you to attend this seminar hosted by Dr. Huili Guo:

Date: 7 November 2014, Friday

Time: 4:00PM – 5:00PM

Venue: Level 3, IMCB Seminar Room 3-46, Proteos, Biopolis

Speaker: Prof. Narry Kim, Professor at Seoul National University, Director of RNA Research Center at Institute for Basic Science (IBS)

Title: Regulation of microRNA

MicroRNAs are small noncoding RNAs of ~22 nucleotides, which act as key molecules in RNA silencing. Biogenesis of microRNA is under tight temporal and spatial regulation, and their dysregulation is often associated with human diseases. Post-transcriptional control of miRNA is widespread and takes place at multiple steps including Drosha processing, nuclear export, Dicer processing, RNA editing, uridylation/adenylation, and decay. In this presentation, I will talk about the mechanisms of Drosha and Dicer processing and discuss about various types of RNA 3' end modifications (RNA tailing) that control miRNA levels during embryogenesis and tumorigenesis.

Biography:

V. Narry Kim is a Professor at Seoul National University and a founding director of RNA Research Center at Institute for Basic Science (IBS). Kim received her Ph.D. in 1998 from Oxford University on retrovirology, and carried out her postdoctoral research on mRNA surveillance at the University of Pennsylvania. At SNU, she has been investigating how microRNAs are made and regulated, and what microRNAs do to modulate cell signaling and cell fate. Kim received L'Oreal-UNESCO Women in Science (2008) and the Ho-Am Prize in Medicine (2009), and was elected as Foreign Associates of National Academy of Science (NAS) and European Molecular Biology Organization (EMBO).

ALL ARE WELCOME (No registration required)