Title of the event
The 9th AEARU Workshop on Molecular Biology and Biotechnology

Name of host institution
The Hong Kong University of Science and Technology

Date and venue
March 25-26 2008, The Hong Kong University of Science and Technology

Overview
The AEARU Workshop on Molecular Biology and Biotechnology is a successful series of workshop initiated since 1996, when AEARU was founded, to provide a forum for scientists of the member universities to exchange the information about recent progress in Molecular Biology and Biotechnology presenting and discussing recent research results by participants. There are two major themes in the Workshop – (Day 1) “Signaling” and (Day 2) “Genomics/Proteomics”

Participant list
42 participants (Please refer to participant List)

Eligible to participate
AEARU member universities

No. of presentations given
18 (Please refer to the Program file)

Organizing committee
Prof Nancy Yip Department of Biochemistry, HKUST
Prof Yung Hou Wong Department of Biochemistry, HKUST
Prof Karl W K Tsim Department of Biology, HKUST
Prof Xiao Yuan Li Department of Chemistry, HKUST
Prof Chi Ming Chan Department of Chemical Engineering, HKUST
Schedule/Program
(Please refer to the Program file)

Link to homepage for the event
http://www.ust.hk/9thaearu-mb&b/index.html

For further information of this workshop, please contact workshop Secretariat:
Ms Amy Fong
Department of Biochemistry
The Hong Kong University of Science and Technology
Telephone: (852) 2358-7272
Fax: (852) 2358-1552
SESSION 1: SIGNALING
Co-Chairs: Yung Hou Wong and Karl Tsim, HKUST

09:45-10:00 Opening Ceremony

10:00-11:30 Plenary Lecture
Neal G. Copeland
Executive Director, Institute of Molecular and Cell Biology, Singapore
Harnessing transposons for cancer gene discovery

11:30-11:45 Coffee Break

11:45-12:05 [1.1] Jongkyeong Chung
Biological Sciences, Korea Advanced Institute of Science and Technology
Regulation of cell polarity by AMPK and LKB1

12:05-12:25 [1.2] Kunio Takeyasu
Biostudies, Kyoto University
Nano-scale imaging and single-molecule manipulation techniques for nuclear dynamics

12:25-12:45 [1.3] Kathryn S.E. Cheah
Biochemistry, The University of Hong Kong
Insights into the function of SOX9 and the molecular pathogenesis of campomelic dysplasia

12:45-14:00 Lunch

14:00-14:20 [1.4] Heng-Phon Too
Biochemistry, National University of Singapore
Alternatively spliced Glia cell-line derived neurotrophic factor (GDNF) family of receptors – unexpected complexities in functions

14:20-14:40 [1.5] Peng Li
Biological Sciences & Biotechnology, Tsinghua University - Beijing
Regulation of Adipose tissue identity by Cide proteins

14:40-15:00 [1.6] Zilong Wen
Biochemistry, The Hong Kong University of Science and Technology
Hematopoietic stem cells and their niches during development

15:00-15:20 [1.7] Kazuo Inaba
Shimoda Marine Research Center, University of Tsukuba
Molecular signaling for chemoattractant-induced sperm activation in the ascidian Ciona intestinalis

15:20-15:40 [1.8] Satoru Kawamura
Biological Sciences, Osaka University
Phototransduction in rods and cones in the retina

15:40-16:00 [1.9] Chuanmao Zhang
Life Sciences, Peking University

The roles of Ran GTPase in the cell cycle regulation co-ordination

16:00-18:00 Poster Discussion with coffee (for both sessions 1 and 2)

18:30-21:00 Banquet
Wednesday, March 26, 2008

SESSION 2: GENOMICS / PROTEOMICS
Co-Chairs: Joonho Choe and Yeon-Soo Seo, KAIST

10:00-11:30

**Plenary Lecture**
Richard J. Simpson
Head of Joint Proteomics Laboratory, Ludwig Institute for Cancer Research and The Walter and Eliza Hall Institute of Medical Research, Australia
*Cancer proteomics: proteomic strategies to uncover new biomarkers for colorectal cancer*

11:30-11:45

**Coffee Break**

11:45-12:05 [2.1] Robert Z. Qi
Biochemistry, The Hong Kong University of Science and Technology
*Functional proteomics to decipher neuronal Cdk5 regulatory pathways*

12:05-12:25 [2.2] Yeon-Soo Seo
Biological Sciences, Korea Advanced Institute of Science and Technology
*Vts1, a structural specific RNA binding protein stimulates Dna2 endonuclease activity*

12:25-12:45 [2.3] Wei Feng
Biochemistry, The Hong Kong University of Science and Technology
*PDZ domains of Par-3 as potential phosphoinositide signaling integrators*

12:45-14:00

**Lunch**

14:00-14:20 [2.4] Giltsu Choi
Biological Sciences, Korea Advanced Institute of Science and Technology
*Genomic identification of PIL5 direct target genes by ChIP-on-Chip analysis in Arabidopsis*

SESSION 1: SIGNALING (cont’d)
Co-Chairs: Yung Hou Wong and Karl Tsim, HKUST

14:20-14:40 [1.10] Donald C. Chang
Biology, The Hong Kong University of Science and Technology
*What controls the temporal order of different mitotic events in mammalian cell division?*

14:40-15:00 [1.11] Youngsook Lee [CANCELLED]
Life Science, Pohang University of Science and Technology
*Light signal transduction in guard cells of plants*

15:00-15:20 [1.12] Haruo Ohmori
Institute for Virus Research, Kyoto University
*Lesion-bypass DNA polymerases*
Biochemistry, The Hong Kong University of Science and Technology  
*The Ipi1p/2p/3p complex is required for and directly involved in pre-replication complex formation independent of ribosome biogenesis*

16:00-  *City Tour (Optional)*