

**16th Asia-Pacific International Molecular Biology Network (A-IMBN) Annual Conference 2013**  
**3 - 5 December 2013, Auditorium, Level 2, Matrix, Biopolis, Singapore**

**Program**

**2 December 2013, Monday**

- 2.45pm *GC members depart from Hotel to IMCB*
- 3.00pm *GC Members' Meeting*  
*(Venue: Institute of Molecular and Cell Biology (IMCB), Board Room, #03-18, Level 3, Proteos, Biopolis)*
- 6.00pm *GC Members' Dinner*  
*(Venue: Spice Peranakan, Centros Building, Biopolis)*
- 8.00pm *GC members return to Hotel*

**3 December 2013, Tuesday (Day 1)**

- 11.30am *Speakers & GC members depart from Hotel to Conference*
- 11.40am – 12.40pm **Registration & Lunch**
- 12.40pm – 12.50pm **Welcome address**  
 Chuan Poh LIM, A\*STAR Chairman
- 12.50pm – 1.00pm **Opening address**  
 Jeongbin YIM, A-IMBN President  
 Maria LEPTIN, EMBO Director

**Arthur Kornberg Memorial Lecture**

**Chair: Ken-ichi ARAI**

- 1.00pm – 1.05pm Ken-ichi ARAI  
 Introduction of Arthur Kornberg Memorial Lecture
- 1.05pm – 1.40pm Bao-Liang SONG  
 Shanghai Institute of Biochemistry and Cell Biology,  
 Chinese Academy of Sciences, China  
 Title: Mechanism of Intestinal Cholesterol Absorption

**Session 1: Metabolic and Infectious Diseases**

**Chair: Weiping HAN**

- 1.40pm – 2.10pm Tao XU  
Institute of Biophysics, Chinese Academy of Sciences, China  
Title: HID-1 is a Novel Player in the Regulation of Blood Glucose
- 2.10pm – 2.40pm S. Sendhil VELAN  
Singapore Bioimaging Consortium, A\*STAR, Singapore  
Title: Translational Imaging for Metabolic Diseases
- 2.40pm – 3.10pm Aimin XU  
The University of Hong Kong, Hong Kong  
Title: The Metabolic Hormone FGF21 in Regulating Glucose Homeostasis: *Friend or Foe?*
- 3.10pm – 3.40pm Anning LIN  
Shanghai Institute of Biochemistry and Cell Biology,  
Chinese Academy of Sciences, China  
Title: Regulation of Inflammation by Novel IKK Signaling pathway
- 3.40pm – 4.10pm ***Afternoon Teabreak***
- Chair: Anning LIN**
- 4.10pm – 4.40pm Shigeki SUGII  
Singapore Bioimaging Consortium, A\*STAR/Duke-NUS Graduate Medical  
School, Singapore  
Title: Metabolic Reprogramming and Molecular Signatures of Adipose-  
derived Stem Cells
- 4.40pm – 5.10pm Jae Bum KIM  
Seoul National University, Korea  
Title: Adipose Tissue and Metabolic Complications
- 5.10pm – 5.40pm Andy TAN  
Bioprocessing Technology Institute, A\*STAR, Singapore  
Title: Functional Consequences of Metabolic Aberrations in Autoimmune B  
cells
- 5.40pm – 6.10pm Donghai WU  
Guangzhou Institute of Biomedicine and Health, Chinese Academy of  
Sciences, China  
Title: Brown Adipogenic Reprogramming by a Small Molecule
- 6.10pm [Speakers, GC members, Guests & Organizers depart for Dinner](#)
- 6.30pm Dinner – Speakers, GC members, Guests & Organizers  
(Venue: Taste Paradise Restaurant, ION Orchard, #04-07)
- 9.30pm [Speakers & GC members return to Hotel](#)

## 4 December 2013, Wednesday (Day 2)

8.45am Speakers & GC members depart from Hotel to Conference

### The EMBO Lecture Chair: Wanjin HONG

9.00am – 9.05am Wanjin HONG  
Introduction of The EMBO Lecture

9.05am – 9.40am Wieland HUTTNER  
Max Planck Institute of Molecular Cell Biology and Genetics, Germany  
Title: Neural Stem and Progenitor Cells and their Role in the Development and Evolution of the Cerebral Cortex

### Session 2: Stems Cells and Regenerative Medicine

#### Chair: Huck Hui NG

9.40am – 10.10am Naihe JING  
Shanghai Institute of Biochemistry and Cell Biology,  
Chinese Academy of Sciences, China  
Title: Epigenetic Control of Mouse Neural Commitment through Acetylation-dependent Restriction of Mesendoderm Fate

10.10am – 10.40am **Morning Teabreak**

10.40am – 11.10am Larry STANTON  
Genome Institute of Singapore, A\*STAR, Singapore  
Title: Directed Programming and Reprogramming of Cell Fates

11.10am – 11.40am Duanqing PEI  
Guangzhou Institutes of Biomedicine and Health, Chinese Academy of Sciences, China  
Title: Vitamin C and Histone/DNA Demethylases in Somatic Cell Reprogramming

### A-IMBN Research Young Investigators/Ken-ichi Arai Award Chair: Chris Y H TAN

11.40am – 11.45am Chris Y H TAN  
Introduction of A-IMBN Research Young Investigators/Ken-ichi Arai Award

11.45am – 12.20pm Nei-Li CHAN  
Institute of Biochemistry and Molecular Biology, National Taiwan University, Taiwan  
Title: Structural Basis and Design Guidelines for Type II Topoisomerase-Targeting Anticancer Drugs

12.20pm – 2.00pm **Lunch & Poster session 1**

**Session 3: Molecular and Cell Biology**

**Chair: Kong Peng LAM**

- 2.00pm – 2.30pm David BANFIELD  
Division of Life Science, HKUST, Hong Kong  
Title: The Sorting of SNAREs by the COPI coat
- 2.30pm – 3.00pm Chiea Chuen KHOR  
Genome Institute of Singapore, A\*STAR, Singapore  
Title: Human Genetic Susceptibility to Typhoid Fever
- 3.00pm – 3.30pm Ho Sup YOON  
Nanyang Technological University, Singapore  
Title: Structural and Functional Versatility of the Pro-survival Bcl-2 Family Proteins
- 3.30pm – 4.00pm **Afternoon Teabreak**

**Chair: Ken-ichi ARAI**

- 4.00pm – 4.30pm Mofang LIU  
Shanghai Institute of Biochemistry and Cell Biology,  
Chinese Academy of Sciences, China  
Title: Spermiogenesis requires piRNA-triggered MIWI Ubiquitination and Removal by APC/C
- 4.30pm – 5.00pm Nobutaka HIROKAWA  
Graduate School of Medicine, University of Tokyo, Japan  
Title: Kinesin Superfamily Molecular Motors, KIFs and Intracellular Transport: from Regulation of Learning/Memory and Development to Diseases
- 5.00pm – 5.30pm Wei LI  
Institute of Genetics & Developmental Biology, China  
Title: BLOC-1 Modulates EGF Signal Transduction through Endo-Lysosomal Trafficking
- 5.30pm [Speakers depart for Dinner \(GC members return to Hotel\)](#)
- 6.00pm [Speakers' Dinner – Speakers & Organizers](#)  
(Venue: Imperial Treasure, Paragon Orchard, #05-42/45)
- 9.00pm [Speakers return to Hotel](#)

## 5 December 2013, Thursday (Day 3)

8.45am Speakers & GC members depart from Hotel to Conference

### A-IMBN Distinguished Lecture

Chair: Jeongbin YIM

9.00am – 9.05am Jeongbin YIM  
Introduction of A-IMBN Distinguished Lecture

9.05am – 9.40am Chris Y H TAN  
The University of British Columbia, Canada  
Title: Defining the 1st Cytokine to finding Ras Inhibitors

### Session 4: Cancer and Basic Biology

Chair: Zuxun GONG

9.40am – 10.10am Brandon WAINWRIGHT  
Institute for Molecular Bioscience, University of Queensland, Australia  
Title: The Hedgehog pathway Regulates the Stem/Progenitor  
Compartments in a Number of Mammalian Tissues

10.10am – 10.40am **Morning Teabreak**

10.40am – 11.10am Jian Feng CHEN  
Shanghai Institute of Biochemistry and Cell Biology,  
Chinese Academy of Sciences, China  
Title: Cell Traffic Control: Switch of Integrin Ligand Specificity by Distinct  
Chemokine Signaling

11.10am – 11.40am Soo-Chen CHENG  
Institute of Molecular Biology, Academia Sinica, Taiwan  
Title: RNA Splicing and Spliceosome Dynamics

11.40am – 12.10pm Daniel MESSERSCHMIDT  
Institute of Molecular and Cell Biology, A\*STAR, Singapore  
Title: Epigenetic Memory Loss in the Early Embryo

12.10pm – 1.50pm **Lunch & Poster session 2**

Chair: Yoshiaki ITO

1.50pm – 2.20pm Peter SHEPHERD  
Maurice Wilkins Centre and University of Auckland, New Zealand  
Title: Role of Beta-catenin in Insulin Secretion

- 2.20pm – 2.50pm      Shengli XU  
Bioprocessing Technology Institute, A\*STAR, Singapore  
Title: Regulation of Antibody Response by MicroRNAs
- 2.50pm – 3.20pm      Jonathan LOH  
Institute of Molecular and Cell Biology, A\*STAR/ National University of  
Singapore, Singapore  
Title: Systematic Analysis of Pluripotent State
- 3.20pm – 3.30pm      Ms. Kathryn LI  
Life Technologies  
Title: QuantStudio 3D – A chip-based Digital PCR system
- 3.30pm – 3.40pm      **Closing remarks**  
Wanjin HONG  
Institute of Molecular and Cell Biology, A\*STAR, Singapore
- 3.40pm                      [Speakers & GC members return to Hotel](#)