

**14<sup>th</sup> A-IMBN Annual Conference:**  
**Life Science and Frontiers of Biorefinery Technology**  
**1 – 2 March 2012**  
**Sirindhorn Science Home, Thailand Science Park**

**Sponsors:**



**Program:**

**1 March 2012 (Biorefinery Theme)**

**Opening Ceremony**

- 0900 – 0910 Welcome Remark by Dr. Kanyawim Kirtikara, BIOTEC Executive Director
- 0910 – 0920 Opening Remark by Prof. Jeongbin Yim, A-IMBN President

**Arthur Kornberg Memorial Lecture Award**

- 0920 – 0930 Introduction on Arthur Kornberg Memorial Lecture Award by Prof. Ken-ichi Arai
- 0930 – 1000 **The effect of G-quadruplex Structure on Telomere Replication and Recombination** by Prof. Jinqiu Zhou, Institute of Biochemistry and Cell Biology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences

**Distinguished A-IMBN Lecture**

- 1000 – 1005 Introduction on A-IMBN Lecturer by Dr. Kanyawim Kirtikara
- 1005 – 1040 **Forty Years of Protein Research** by Prof. M.R. Jisnuson Svasti, A-IMBN Governing Council and Professor of Biochemistry, Faculty of Science, Mahidol University
- 1040 – 1100 Coffee break

**Session I: Biorefinery Trends in Asia**

**Chair:** Prof. Naihe Jing

- 1100 – 1130 **Biorefinery in Thailand** by Dr. Vorakan Burapatana, PTT Public Co. Ltd.
- 1130 – 1200 **Biorefinery in Korea** by Prof. Jin-Ho Seo, Biomolecular Engineering Lab, Seoul National University
- 1200 – 1300 Lunch

**Session II: Platform Technology for Biorefinery**

**Chair:** Prof. Chong Lek Koh

- 1300 – 1330 **Genome Construction Technology and Genome Design** by Dr. Kenji Tsuge, Institute of Advanced Biosciences, Keio University, Japan
- 1330 – 1400 **Lignocellulosic Biomass Fractionation and Utilization** by Prof. Run-Cang Sun, South China University of Technology
- 1400 – 1430 **Microbial Engineering for Production of Biofuels and Biorefinery products** by Dr. Tomohisa Hasanuma, Organization of Advanced Science and Technology, Kobe University, Japan
- 1430 – 1500 Coffee break

**Session III: Biorefinery Products****Chair:** Dr. Filipinas Natividad

- 1500 – 1530 **Chemical and Biotechnological Production of Biobased Polymers from Biomass** by Dr. Sei-ichi Aiba, National Institute of Advanced Industrial Science and Technology (AIST), Japan
- 1530 – 1600 **Chemicals & Bioplastic** by Prof. In-Joo Chin, Inha University, Korea Bioplastics Association
- 1600 – 1630 **Biohydrogen and Chemical Production from Microalgae** by Prof. Chang Jo-Shu, National Cheng Kung University, Taiwan

**Session IV: Panel Discussion on Research – Industry – Investment**

- 1630 – 1730 **Moderator:** Prof. Chris Tan  
**Panelists:**  
Dr. Nazlee Kamal, CEO, Malaysia Biotech Corp.  
Ms. Upsorn Pliansinchai, Vice President – Research and Development, Mitr Phol Sugarcane Research Center Co. Ltd., Thailand  
Mr. Yothasak Kanasawat, Director, Investment Strategy and Policy Bureau, Thailand Board of Investment  
Representative from The Thai Association for Biotech Industries (To be confirmed)
- 1800 – 2000 Welcome Reception

**2 March 2012 (Biomedical Theme)****EMBO LECTURE****Chair:** Prof. Yoshikazu Nakamura

- 0900 – 0930 **RUNX3 in Gastrointestinal Cancer: Chasing the Wrong Gene** by Prof. Yoram Groner, Weizmann Institute, Israel

**Session V: A-IMBN Research Young Investigator****Chair:** Dr. Sumiko Watanabe

- 0930 – 0950 **Introduction to A-IMBN Research** by Dr. Matthew Salter, Macmillan Scientific Communications (Asia-Pacific)
- 0950 – 1010 **Structural and Functional Studies of TcaR and its Complexes with Multiple Antibiotics from Staphylococcus Epidermidis** by Dr. Yu-Ming Chang, Institute of Biological Chemistry, Academia Sinica
- 1010 - 1030 **The Serine/Threonine Kinase LKB1 Regulates Thymocyte Survival and Differentiation** by Prof. Xiaolong Liu, Shanghai Institutes for Biological Sciences

**Session VI: Molecular Oriental Medicine****Chair:** Dr. Duong Hoa Xo

- 1030 – 1050 **Discovery of Telomerase Activators from Chinese Herbs** by Dr. Fanny Ip, Hong Kong University of Science and Technology
- 1050 – 1110 **Antitumor Activities of Chinese Herbs** by Prof. Jung-Yaw Lin, National Taiwan University
- 1110 – 1130 Coffee break

**Session VII: Molecular Biology of Cancer and Immunological Diseases****Chair:** Dr. Rho Hyun Seong

- 1130 – 1150 **Anti-cancer Strategy Targeting DNA Replication Factors: Cdc7 kinase as a novel cancer therapy target** by Dr. Hisao Masai, Tokyo Metropolitan Institute of Medical Science

- 1150 – 1210 **Decoding the Human Lung Cancer Genomics** by Prof. Hongbin Ji, Shanghai Institutes for Biological Sciences
- 1210 – 1230 **Morphometric Approach to Therapy Development: Targeting senescence as an in vivo tumor suppressor program** by Ms. Lisa Cechetto, Institut Pasteur Korea
- 1230 – 1330 Lunch

**Session VIII: BIOTEC Research Highlight on Biomedical Science**

**Chair:** Dr. Kanyawim Kirtikara

- 1330 – 1400 **Dengue Research** by Prof. Prida Malasit, Medical Biotechnology Research Unit
- 1400 – 1430 **Exploring Heme Biosynthesis in Malaria Parasites** by Dr. Sumalee Kamchonwongpaisan, Medical Molecular Biology Research Unit
- 1430 – 1500 **Bioinformatics Research** by Dr. Sissades Tongsimma, Biostatistics and Bioinformatics Laboratory, Genome Institute
- 1500 – 1530 Coffee break
- 1530 – 1700 Thailand Science Park & BIOTEC Lab Tour