



4th Molecular Biology Workshop

Life Sciences Research and Industrialization in the 21st Century

Pohang University of Science and Technology Pohang, Korea

November 24-25, 2000

- ♦ **Date:** November 24-25, 2000
- ♦ **Venue:** Pohang University of Science and Technology Pohang, Korea
- ♦ **Major Theme:** Genomics

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Schedule

Nov. 21-23, 2001

Date	Time	Program
2001/11/21	09:00-20:00	Registration
2001/11/22	09:00-09:30	Opening Ceremony
	09:30-10:30	Plenary Lecture
	10:30-10:50	Coffee Break
	10:50-11:50	Plenary Lecture
	12:00-13:30	Lunch
	13:30-14:50	Plenary Lecture
	14:50-15:10	Coffee Break
	15:10-17:25	Plenary Lecture
	18:30	Banquet
2001/11/23	08:30-09:30	Plenary Lecture
	09:30	City Tour

PROGRAM SUMMARY

November 22 (Thu.), 2001

09:00 - 09:30 Opening Ceremony

1. Welcome Address
2. Photographing

Session 1

Presider :

- ♦ Prof. YanAi Mei (Fudan University)
- ♦ Prof. Akihiro Shima (University of Tokyo)

09:30 Cloning, Expression and Three Dimensional Structure Determination of HMG box 1 of hUBF from E.coli and its interaction with DNA.

Yunyu Shi Laboratory of Structure Biology, School of Life Sciences, University of Science and Technology of China, China

09:50 Interaction of a Cardiotoxic Protein, Volvatoxin A2, with Lipid Membranes-The Role of Oligomerization and Conformational Change in the Pore Formation of VVA2.

Jung-Yaw Lin Department of Biochemistry and Molecular Biology College of Medicine Taiwan University, Taiwan, China

10:10 Mixed Culture of Lactic Acid Bacteria with Yeasts: A Potential System for Effective Bio-production Processes.

Suteaki Shioya Department of Biotechnology, Graduate School of Engineering, Osaka University, Japan

10:30 Coffee Break

10:50 Structures and Functions of a Reaction Center from a Thermophilic Photosynthetic Bacterium.

Tsunenori Nozawa Department of Biomolecular Engineering, Graduate School of Engineering, Tohoku University, Japan

- 11:10 A new DNA engineering technology without restriction enzymes and DNA ligases.
Jian-Dong Huang Department of Biochemistry, The University of Hong Kong, Hong Kong, China
- 11:30 Microbial Synthesis of Commercially Interesting Metabolic Compounds - Polyhydroxyalkanoates.
Chen Guo-Qiang Department of Biological Sciences and Biotechnology, Tsinghua University, China
- 12:00 Lunch

Session 2

Presider

Prof. Yunyu Shi (University of Science and Technology of China)

Prof. JianDong Huang (University of Hong Kong)

- 13:30 *Analysis of hypoxic regulation of erythropoietin gene expression and its application for production of recombinant proteins*
Masaya Nagao Division of Integrated Life Science, Graduate School of Biostudies, Kyoto University, Japan
- 13:50 Generation and analysis of transgenic dairy goat harbouring the cDNA of human coagulation factor VIII gene.
Winston T. K. Cheng Department of Animal Science, College of Agriculture Taiwan University, Taiwan, China
- 14:10 Gene Therapy for Cancer by Mutant HSV Deleted Apoptosis-inhibiting Gene.
Qi Yipeng Institute of virology, Wuhan University, China
- 14:30 Discovery of a clotting protein with a proteinase inhibitor domain.
Shigehisa Hirose Department of Biological Sciences, Tokyo Institute of Technology, Japan
- 14:50 Disease Association and Pharmacogenomics with High-throughput Haplotyping of Human Single Nucleotide Polymorphisms.
Changwon Kang Department of Biological Sciences, Korea Advanced Institute of Science and Technology, Korea
- 15:10 *Genome structure and function of Clostridium perfringens.*
Tohru Shimizu Department of Infection Biology, Institute of Basic Medical Sciences, University of Tsukuba, Japan
- 15:30 Coffee Break
- 15:45 Signal transduction of cytokine receptor and its application to the stemcell expansion.
Sumiko Watanabe Department of Molecular and Developmental Biology Institute of Medical Science, University of Tokyo, Japan
- 16:05 *The Medaka - A model system based on genetics and genomics.*
Akihiro Shima Dept. of Integrated Biosciences Graduate School of Frontier Sciences, The University of Tokyo, Japan
- 16:25 *Thermostable enzymes from hyperthermophiles and their application.*
Tadayuki Imanaka Department of Synthetic Chemistry and Biological Chemistry, Graduate School of Engineering, Kyoto University, Japan
- 16:45 *Neuronal CDK5 Activator-associated Proteins*
Jerry H Wang Department of Biochemistry, Hong Kong University of Science and Technology, Hong Kong
- 17:05 Identification and Characterization of Replication Initiation Proteins in the Budding YEAST *S. cerevisiae*
Chun Liang Dept. of Biochemistry, Hong Kong University of Science and Technology, Hong Kong
- 18:30 *Banquet*

November 23 (Fri.), 2001

Session 3

Presider :

- ♦ Prof. Changwon Kang (KAIST)
- ♦ Prof. Jung-Yaw Lin (Taiwan University)

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| 08:30 | Using Model Organisms for Large Scale Functional Genomic Studies
Xiaohui Wu Fudan University, China |
| 08:50 | CBP and HDAC Regulate the Transcriptional Activity of KSHV Rta Protein.
Joonho Choe Dept. of Biological Sciences Korea Advanced Institute of Science and
Technology, Korea |
| 09:10 | Ex vivo Expansion of Murine Hematopoietic Progenitor Cells by Three-dimensional
Co-culture with Stromal Cells.
Toshiomi Yoshida International Center for Biotechnology, Osaka University, Japan |
| 09:30 | City Tour |