

2nd AEARU Workshop on Biotechnology Status Report

Taiwan University, Taipei
November 13-14, 1998

Pre Report Dated May 15, 1998 (Edited May 30, 1998)
Post Conference Report by Prof. Jung-Yaw Lin, December 14, 1998.

Biotechnology Symposium Sections

- ♦ *Animal*, Prof. Guang-Hsiung Kou, Dept. of Zoology, Taiwan Univ.
- ♦ *Medical*, Prof. Tze-Wen Chang, College of Life Science, Tsing Hua Univ.
- ♦ *Plant*, Prof. Chu-Yung Lin, Dept. of Botany, Taiwan Univ.
- ♦ *Traditional Biomedical*, Prof. Jung-Yan Lin, Dept. of Biochemistry, Taiwan Univ.

Attending Universities

Chinese Mainland

Fudan University
Nanjing University
Peking University
Tsinghua University
University of Science and Technology of China

Hong Kong

Hong Kong University of Science and Technology, HKUST

Japan

Kyoto University
Tokyo Institute of Technology
University of Tokyo

Korea

Korea Advanced Institute of Science and Technology, KAIST
Pohang University of Science and Technology, POSTECH
Seoul National University, SNU

Taiwan

Taiwan University, Host
Tsing Hua University, Co-host

II. Local Organizing Committee

- ♦ Chair: Prof. Jung-Yan Lin, Taiwan Univ.
- ♦ Deputy Chair: Prof. Chu-Yung Lin, Taiwan Univ.
- ♦ Prof. Chia-Wei Li, Tsing Hua Univ. Prof. Changwon Kang

III. Nominated Organization Committee Members

- ♦ Fudan University: Zhi-Hong Zhang, Professor and Vice Dean, School of Life Sciences
- ♦ HKUST
- ♦ KAIST, Ho Nam Chang, Professor and Dean, Dept. of Chemical Engineering
- ♦ Nanjing University: Ren-Xiang Tan, Professor and Chairman, Dept. of Biological Science and Technology
- ♦ Peking University: Zhangliang Chen, Professor and Vice President
- ♦ POSTECH, Gynheung An, Professor, Dept. of Life Science, 12.
- ♦ POSTECH: Chi-Bom Chae, Vice President and Dean of Academic Affairs
- ♦ SNU: Jeongbin Yim, Professor, Dept. of Microbiology
- ♦ Tokyo Institute of Technology: Masuo Aizawa, Dean, Faculty of Bioscience and Biotechnology
- ♦ Tsinghua University: Nanming Zhao, Professor and Dean, School of Life Science and Engineering
- ♦ Univ. of Science and Technology of China, Jing Liu, Professor, Dept. of Biology
- ♦ Univ. of Tokyo: Prof. Shima

IV. Lecture Tentative Titles and Speakers

1. "Effects of lead on learning and memory of children and cellular molecular; mechanisms of lead-induced impairment," Di-Yun Ruan, Univ. of Science and Technology of China.
2. "Effects of lead on learning and memory of children and cellular and molecular mechanisms of lead-induced He impairments," Di-Yun Ruan, Univ. of Science and Technology of China.
3. "Fibroblast gene therapy for Hemophila B," Jing-Lun Xue, Fudan Univ.
4. "Gene expression processes are activated by physical stresses," Masuo Aizawa, Tokyo Institute of Technology
5. "Plant genetic engineering in Mainland China," Zhongping Lin, Peking Univ. "Processing aspects of heterologous peptide hormone precursors in rat GH3 cells," Seung
6. Hwan Hong, Seoul National Univ.
7. "Protein engineering research in Mainland China," Xiaocheng Gu, Peking Univ. "Recent progress in the chemical and biological investigation of some traditional Chinese
8. medicines," Ren-Xiang Tan, Nanjing Univ. "Structure and function studies of human and animal viruses and close related proteins,"
9. Rao Zihe, Tsinghua Univ.
10. "Telomerase, an agent for fountain of youth," Fuyuki Ishikawa, Tokyo Institute of Technology
11. Untitled, Gynheung An, Pohang Univ. of Science and Technology
12. Untitled, Akira Kimura, Kyoto Univ.

V. Poster Session

1. Fudan Univ.: Ben-Ke Kuai: "Expression of pollutant degradation genes in turf grasses."
2. HKUST, Prof. Wong
3. Nanjing Univ.: 5 or 6 participants
4. Peking Univ.: Uncertain
5. SNU: 2 persons at least
6. Tsinghua Univ.: title undetermined, 6 Participants: Professors Nanming Zhao, Yinghua Chen, Guoqiang Chen, Zengyi Chang and Romgging Zhan
7. Univ. of Tokyo: 2 persons at least

Post Conference Report

by Prof. Jung-Yaw Lin

December 14, 1998

The workshop took place at Taiwan University, Taipei on 12-15 November 1998. The three-day program included two keynote lectures, three half-day symposium sessions in four research areas: animal, medical, plant and traditional Chinese medicine, along with a poster session.

The official scientific program concluded with a combined business and wrap-up summary session in the afternoon of the 14th.; In addition, a guided tour of the Taiwan University campus and a city tour including the Palace Museum were conducted for conference participants.

Biological scientists from 15 of the 16 member universities participated in the conference. Delegates from Beijing University could not attend the meeting due to insufficient time for visa application.

A new steering committee for the AEARU Molecular Biology and Biotechnology Group (MBBG) with Professor Aizawa of Tokyo Institute of Technology as the chairperson was produced at the business session.; Professor Aizawa was also elected as the organizer for the 3rd AEARU Symposium on Molecular Biology and Biotechnology which will take place in Tokyo. A number of topics concerning the Group's activities were discussed at the wrap-up sessions.; Main recommendations derived from the discussion re summarized below:

1. Continued success of MBBG depends on the strong support of AEARU. It was recommend that communication between MBBG and AEARU Council be strengthened, and that the Steering Committee should request AEARU funding for the establishment of an administrative unit.
2. It was recommend that the Presidents' Offices of AEARU institutions ask their faculty to register with the MBBG Steering Committee so that the AEARU MBBG directory should be compile.
3. Asia-Pacific International Molecular Biology Network (A-IMBN) is a newly established scientific society devoted to maintaining and promoting the development of scientific and technical cooperation between molecular biologists and biotechnologists of the Asia-Pacific region. It was suggested that MBBG could play a key role in the PG students and postdoctoral fellowship programs of A-IMBN.
4. It was also suggested that the MBBG Annual Conference should comprise a plenary session in a focused research area and several symposium sessions covering a wide range of subjects.; Plenary lecturers do not have to be from the AEARU institutions.
5. It was noted that there was limited student participation at the MBBG Annual Conference. To encourage student participation, it was recommended that the conference program should include student oral presentation sessions.