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Progress on Post-Genome Technologies and Modern Natural Products

— Proceedings of the 7th International Forum on
Post-Genome Technologies and China-Japan-Korea
Summit on Natural Products

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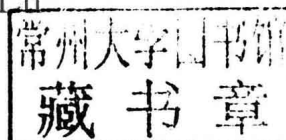
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Edited by

Guohua Zhou
Chengzhi Huang
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International R&D Institution
Mission to Chongqing
国际知名研发机构
重庆行动

Chongqing, a beautiful "mountain city", is the only Municipality directly under the central government in Western China, one of the pilot zones for national comprehensive urban and rural reforms, the largest industrial and commercial city on upper reaches of Yantze River and South West of China, an important transport hub and open inland port. In 2010, the establishment of State "Liangjiang New Area" made Chongqing, once again, a focus of the world attention.

Jointly hosted by the Ministry of Science and Technology of China and Chongqing Municipal Government, "International R&D Institution Mission to Chongqing" was the largest gathering of science and technology exchange since Chongqing became the municipality, the first high-level international science and technology event jointly hosted by MOST and local government and also an important mission of inviting talents in science and technology area. In October of 2009, the "1st International R&D Institution Mission" was successfully held in Chongqing. Being a large-scale and high-level event featuring rich content and multiple forms, it achieved remarkable results and strong reactions, thus becoming an important window and carrier of international science and technology cooperation in Chongqing.

The 2nd International R&D Institution Mission to Chongqing will be held in Chongqing, October 22, 2011. The theme of this event is collaboration, innovation and development. It is aimed to forge stronger partnerships, establish new platform, facilitate fruitful collaboration and provide a leading opportunity to the world international R&D institutions for information sharing and experience exchange.

The event highlights international forums and workshops on the following topics:

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- New energy automobile and new Materials;
- Bio-medicine;
- Advanced manufacturing;
- Modern agriculture.

On behalf of Chongqing Municipal Government and 32 million Chongqing People, I would like to take this opportunity to invite all the distinguished guests, experts and officials to Chongqing and join us in this magnificent event!

Qifan Huang

Mayor of Chongqing Municipality Government

December 2010

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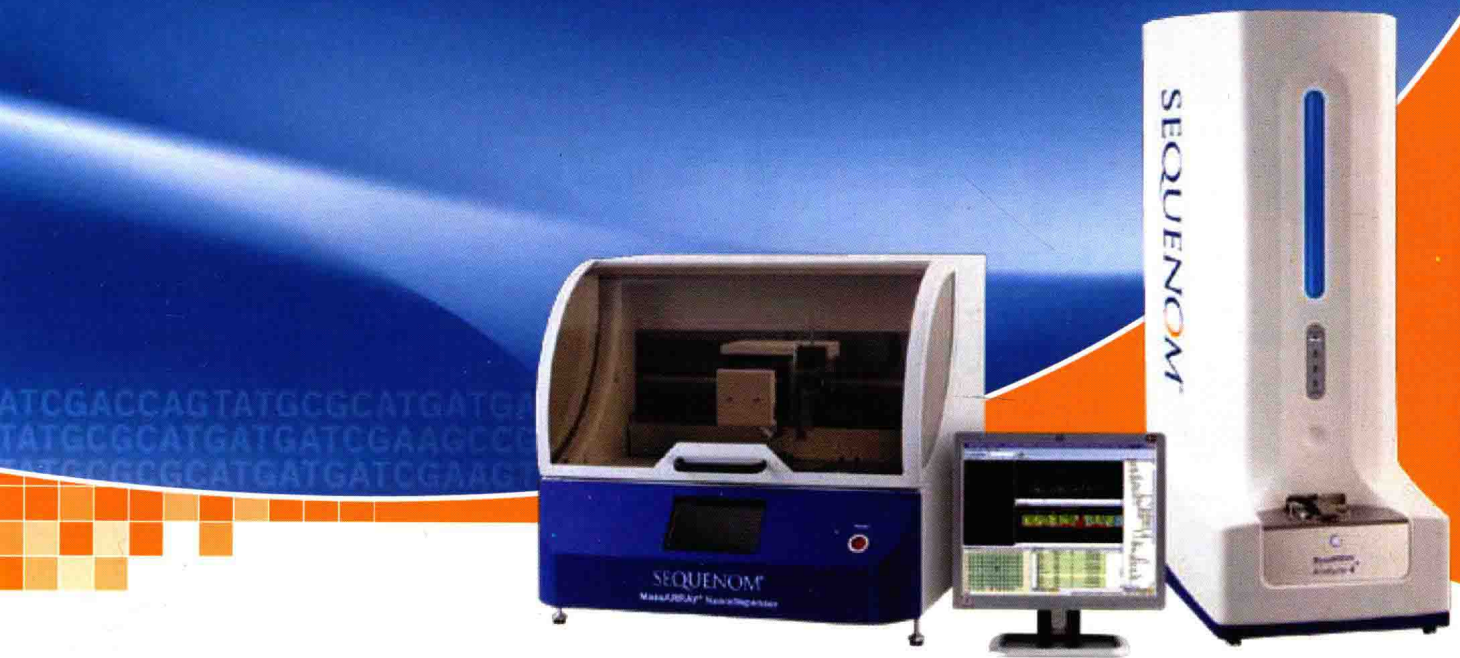
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List of the Title of Invited Presentations

(in the alphabetical order of speaker's name)

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2. KAMBARA, Hideki (Fellow of Hitachi Ltd., Japan)
3. ZHOU, Honghou (Central South University, Institute of Clinical Pharmacology, China)

II. Invited lectures

1. ANDERSEN, Raymond (University of British Columbia, Canada)
2. CHAI, Yefeng (Second Military Medical University, China)
3. CHOI, Young-Whan (Pusan National University, S. Korea)
4. DAIRI, Tohru (Hokkaido University, Japan)
5. FANG, Qun (Zhejiang University, China)
6. FU, Zhifeng (Southwest University, China)
7. FUKUSAKI, Eiichiro (Osaka University, Japan)
8. GAO, Qian (Nanjing University, China)
9. GULLBERG, Mats (Olink Bioscience, Sweden)
10. HAGINAKA, Jun (Fac. of Pharmaceutical Sciences Mukogawa Women's University, Japan)
11. HAN, Jian (Hudson Alpha Institute for Biotechnology, USA)
12. HARUKO, Takeyama (Waseda University, Japan)
13. HE, Fengtian (Third Military Medical University, China)
14. HE, Nongyue (Southeast University, China)
15. HUANG, Chengzhi (Southwest University, China)
16. IMAI, Kazuhiro (Faculty of Pharmacy Musashino University, Japan)
17. JIANG, Yunbao (Xiamen University, China)
18. JU, Huangxian (Nanjing University, China)
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20. LI, Kai (Soochow University, China)
21. LI, Zhengping (Hebei University, China)
22. LIN, Jinming (Tsinghua University, China)
23. LIN, Jun Sheng (Wallaceville Animal Research Center, New Zealand)
24. LIN, Wei (Life Technologies, USA)
25. LINNARSSON, Sten (Karolinska Institute, Sweden)
26. LIU, Bifeng (Huazhong University of Science and Technology, China)
27. LIU, Qianjun (Southeast University, China)
28. LOEFFERT, Dirk (Qiagen Inc. USA)
29. LU, Zuhong (Southeast University, China)
30. LUO, Guoan (Tsinghua University, China)
31. MOSHFEGH, Ali (Karolinska University Hospital, Sweden)
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35. SUN, Lizhou (The First Affiliated Hospital of Nanjing Medical University, Nanjing, China)
36. TAMIYA, Eiichi (Osaka University, Japan)
37. WANG, Chunlin (Stanford Genome Technology Center, USA)
38. WANG, Jianhua (Northeastern University, China)
39. WANG, Qiuquan (Xiamen University, China)
40. WU, Zhiyong (Northeastern University, China)
41. YOHDA, Masafumi (Tokyo University of Agriculture and Technology, Japan)
42. ZHANG, Sichun (Tsinghua University, China)
43. ZHANG, Yong (Xiamen University, China)
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PREFACE

Innovative tools and methods have played important roles in new frontiers. One important frontier in life science is the single-cell related field. Although DNA sequencers or other tools have provided so many valuable biological data to date, they were averages over ensemble of cells. Now many people are interested in analyzing individual cells and signals such as exomes to understand a whole life system. We need new tools to analyze mRNA, proteins, and metabolites in single-cells as well as in exomes quantitatively. They might give great impact on the pharmaceutical, medical and biological fields. The collaborations among researchers in various fields and various countries might promote the development of the tools. The purpose of this meeting is to promote the interdisciplinary and international collaborations in this exciting frontier.

Hideki Kambara

PhD, Professor

Co-Chairman of IFPT'7

Hitachi Ltd. /Tokyo University of Agriculture and Technology

October 9, 2011



Dr. Kambara Hideki, the founder of IFPT, is the Fellow of Hitachi Ltd., the invited professor of Waseda University, the visiting professor of University of Tokyo and Tokyo University of Agriculture and Technology. He graduated from the University of Tokyo in 1967, and received his doctorate degree in 1972 from the University of Tokyo. He honored The Asahi Prize for “development of a high performance DNA sequencer” in 2004, the National Medal of Honor with Purple Ribbon in 2003, “Star of Asia” by BusinessWeek’s in 2002, the 48th Okochi Memorial Grand Technology Prize for “development of the capillary array DNA sequencer” in 2002, and Commendation by the Minister of Education, Culture, Sports, Science & Technology to Persons of Scientific & Technological Research Merits, for “research on fluorescence detection method DNA base sequencing device” in 2001. Dr. Kambara has published over 80 papers on mass spectrometry and DNA analysis, and holds more than 100 patents in Japan and U. S. A. His research interests includes atmospheric pressure ionization mass spectrometry; field desorption ionization and collision induced decomposition mass spectrometer for biological molecules; molecular secondary ion mass spectrometry; combined system of liquid chromatograph and mass spectrometer; fluorescent DNA sequencer; capillary array DNA sequencer; DNA expression profile analysis; and instruments for DNA diagnostics.

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