

as of June 17, 2008

Agenda of the 13th “Science in Japan” Forum “Interaction of Physics and Biology”

June 20, 2008 at Capital Hilton

- 8:30am~** **Registration**
- 9:00am~9:20am** **Opening Address**
Makoto Kobayashi
*Executive Director, JSPS, Professor Emeritus, High Energy Accelerator
Research Organization (KEK)*
- Welcome Address**
Hirotaka Sugawara
*Director, JSPS Washington Office, Professor Emeritus, High Energy
Accelerator Research Organization (KEK)*
- 9:20am~11:10am** **Session 1 on the Research on DNA and Protein**
Discussant: Roland F. Hirsch
*Program Manager, the Office of Biological & Environmental Research,
the Office of Science of U.S. Department of Energy (DOE)*
- 9:20am~** **Introduction**
- 9:25am~10:15am** **A Large-Scale Genome Analysis Conducted by a Small Group with
Reference to “Database of Genes Contributing to Sustainable
World” and to Genome Research in Japan**
Toshimichi Ikemura
*Professor, Department of Bioscience, Nagahama Institute of
Bio-Science and Technology*
- Metabolic Economics and Proteome Evolution**
Hiroshi Akashi
Associate Professor, Department of Biology, Penn State University
- 10:15am~11:05am** **Information Flow from DNA Sequence to Protein Function**
Kei Yura
*Professor, Computational Biology, Graduate School of Humanities and
Sciences, Ochanomizu University*
- 11:05am~** **Summary**
- 11:10am~12:00pm** **Session 2 on Science Policy**
Discussant: Rieko Yajima
*Senior Program Associate, American Association for the Advancement
of Science (AAAS)*
- 11:10am~** **Introduction**

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- 11:15am~11:55am** **Science Policy in Japan**
Akinori Mori
Director, Scientific Research Institutes Division, Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT)
- 11:55am~** **Summary**
- 12:00pm~1:30pm** **Lunch Break** (on your own)
- 1:30pm~5:30pm** **Session 3 on Instrumentation and Facility**
Discussant: Keiko Ozato
Deputy Chief, Laboratory of Molecular Growth Regulation, National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH)
- 1:30pm~** **Introduction**
- 1:40pm~2:30pm** **Positron Emission Tomography: A Tool to Explore Pathophysiology and to Enhance Therapeutic Drug Development**
Robert B. Innis
Chief, Molecular Imaging Branch, National Institute of Mental Health (NIMH), National Institutes of Health (NIH)
- 2:30pm~3:20pm** **Synchrotron Radiation Sheds Light on Protein Transport**
Soichi Wakatsuki
Professor and Director of Photon Factory, the Institute of Materials Structure Sciences (IMSS), High Energy Accelerator Research Organization (KEK)
- 3:20pm~3:40pm** **Coffee Break**
- 3:40pm~4:30pm** **Phase Contrast Electron Microscopy – A Rich Blend of Physics and Biology**
Kuniaki Nagayama
Professor, Okazaki Institute for Integrative Bioscience and the Graduate University for Advanced Studies
- 4:30pm~5:20pm** **Current and Next Generation Synchrotron Light Sources – Enabling Discovery in Structural Biology**
Keith O. Hodgson
SLAC Associate Director and Director for Photon Science
- 5:20pm~** **Summary**
- 5:30pm~** **Adjournment**
- 6:00pm~8:00pm** **Reception at South American Room, Capital Hilton**
(Spouses are welcome.)