Session I. Protein Interaction (August 7th 9:00~12:00)

9:00-9:30	Floyd E. Romesberg (The Scripps Research Institute, USA) The Evolution of Biomolecular Function (Chair: Ikuo Fujii, Osaka Prefecture University)
9:30-10:00	Masayuki Matsushita (Chugai Pharmaceutical Co., Ltd, Japan) Blue Fluorescent Antibody Sensors (Chair: Ikuo Fujii, Osaka Prefecture University)
10:00-10:30	Kai Johnsson (Ecole Polytechnique Federale de Lausanne, Switzerland) Observing and Manipulating Proteins in Living Cells (Chair: Ikuo Fujii, Osaka Prefecture University)
10:30-11:00	Coffee Break
11:00-11:30	Andrew Woolley (University of Toronto, Canada) Designing Photo-controlled Peptides and Proteins (Chair: Hisakazu Mihara, Tokyo Institute of Technology)
11:30-12:00	Jaehoon Yu (Seoul National University, Korea) Generation of RNA Specific ligands & Their Usages As Versatile Chemical Tools (Chair: Hisakazu Mihara, Tokyo Institute of Technology)

Session II. Functional DNA/RNA(August 7th 14:00~17:00)

14:00~14:40	Philip C. Bevilacqua (Pennsylvania State University, USA) General Acid-Base Catalysis and pKa Shifting in RNA Enzymes (Chair: Shu-ichi Nakano, Konan University)
14:40~15:20	Larry W. McLaughlin (Boston College, USA) Use of Nucleotide Analogues to Probe DNA Structure and Function (Chair: Kazuya Koumoto, Konan University)
15:20~15:40	Coffee Break
15:40~16:20	Nichokas V. Hud (Georgia Institute of Technology, USA) Controlling Nucleic Acid Assembly by Small Molecule Binding (Chair: Daisuke Miyoshi, Konan University)
16:20~17:00	Dipankar Sen (Simon Fraser University, Canada) Light as Cofactor and Substrate in the Chemistry and Biology of DNA and RNA (Chair: Takehiko Wada, Osaka University)

Session III. Metals in Chemical Biology (August 8th 9:00~12:00)

9:00~9:40 Takashi Hayashi (Osaka University, Japan)

Functionalization of Hemoproteins by Chemical Modification of Prosthetic Groups

(Chair: Mitsuhiko Shionoya, University of Tokyo)

9:40~10:20 Thomas Carell (Ludwig-Maximilians-Universität, München, Germany)

DNA Repair and Mutagenic Replication of DNA Lesions

(Chair: Mitsuhiko Shionoya, University of Tokyo)

10:20~10:40 Coffee Break

10:40~11:20 Kazuya Kikuchi (Osaka University, Japan)

Design, Synthesis and Biological Application of Fluorescent Probes which Convert Biological Responses to Chemical

Output

(Chair: Hitoshi Ishida, Kitasato University)

11:20~12:00 Thomas V. O'Halloran (Northwestern University, USA)

Inorganic Battlegrounds in Infectious Disease: Zinc and Iron Chemistry of Malaria Parasite

(Chair: Hitoshi Ishida, Kitasato University)

Session IV. Cell Function of Macromolecules (August 8th 14:00~17:00)

14:00~14:40	States Matile (University of Coneya Switzerland)
14.00~14.40	Stefan Matile (University of Geneva, Switzerland) Synthetic Functional Architecture in Lipid Bilayers: From Porous Sensors to Smart Photosystems and cytosolic delivery (Chair: Shiroh Futaki, Kyoto University)
14:40~15:20	Jean Gariepy (University of Toronto, Canada) Design and Mining of Combinatorial Toxin Libraries to Identify Anticancer Agents (Chair: Takeshi Nagasaki, Osaka City University)
15:20~15:40	Coffee Break
15:40~16:20	Geert-Jan Boons (The University of Georgia, USA) Increasing the Antigenicity of Tumor Associated Carbohydrates by Targeting Toll-like Receptors (Chair: Koichi Fukase, Osaka University)
16:20~17:00	Injae Shin (Yonsei University, Korea) Carbohydrate Microarrays for Glycomics Research (Chair: Toshinori Sato, Keio University)

Session V. Nanobiotechnology and Technology Innovation in Biomolecular Chemistry (August 9th 9:00~12:00)

An Electrochemical Immunosensor Using Carbon Nanotube Film

(Chair: Shigeori Takenaka, Kyushu Institute of Technology)

9:00-9:40	Constantinos A. Varotsis (University of Crete, Greece) Probing the Q-Proton Pathway and Docking site Dynamics of ba3-Oxidoreductase by Time-Resolved Step-scan Fourier Transform Infrared Spectroscopy (Chair: Shun Hirota, Kyoto Pharmaceutical University)
9:40-10:20	Shoji Takeuchi (The University of Tokyo, Japan) Membrane Protein Chips (Chair: Yoshinobu Baba, Nagoya University)
10:20-10:40	Coffee Break
10:40-11:20	Rainer Haag (Free University of Berlin, Germany) Functional Dendritic Architectures for Biomedical Applications (Chair: Keigo Aoi, Nagoya University)
11:20-12:00	Haesik Yang (Pusan National University, Korea)

Tentative Program of ISBC2006

Poster Presentation (August 7th 12:00 ~ 14:00 and 8th 12:00 ~ 14:00)