20th IUBMB International Congress of Biochemistry and Molecular Biology

and

11th FAOBMB Congress

in conjunction with

79th Annual Meeting of the Japanese Biochemical Society

and

29th Annual meeting of the Molecular Biology Society of Japan

“Life: Molecular Integration & Biological Diversity”

“Second Announcement”

June 18 Sun-23 Fri 2006

Kyoto Japan

www.congre.co.jp/iubmb/
Organizers:

International Union of Biochemistry and Molecular Biology (IUBMB)

Science Council of Japan

The Japanese Biochemical Society

The Molecular Biology Society of Japan

Federation of Asian and Oceanian Biochemists and Molecular Biologists (FAOBMB)

Co-Organizer:

Japan Society for Cell Biology

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Cover (Gregor Johann MENDEL) by Kiyoshi FUKUSHIMA
Dear Colleagues,

We would be most honored by your participation in the 20th IUBMB International Congress of Biochemistry and Molecular Biology and the 11th FAOBMB Congress, which is scheduled to take place in Kyoto, Japan, from June 18 to 23, 2006. This Congress is a partnership between IUBMB, our regional organization the Federation of Asian and Oceanian Biochemists and Molecular Biologists, the Japanese Biochemical Society, and the Society for the Molecular Biology of Japan.

This Congress intends to provide an excellent opportunity to review the rapid advances in the fields of biochemistry and molecular biology with the theme “Life: Molecular Integration & Biological Diversity.” Many distinguished speakers from all parts of the world will be invited to bring us all up-to-date on recent developments, both in basic and clinical research, through 11 Plenary Lectures and 89 Symposia. There will also be opportunities for young scientists to make their work known to a wider audience through Poster Presentations and to discuss their scientific interests with colleagues from different countries. Further, a symposium called Young Scientists’ Program will be held for three days preceding the Congress, also in Kyoto.

This Congress will offer several innovative projects planned in cooperation between industry and academia, such as several symposium sessions featuring biotechnology, Bioindustry Seminars, Evening Workshops and a Career Fair for Researchers.

Kyoto is one of Japan’s ancient capitals, with a history of more than 1,200 years. Kyoto is widely recognized as the cultural soul of Japan and representative of all that is quintessentially Japanese. Seventeen locations around Kyoto have been designated as World Cultural Heritage Sites by UNESCO. Kyoto will provide the perfect setting for social as well as scientific enjoyment.

We hope that you will be able to join us. A large number of Japanese scientists are working hard with us to provide you with a very attractive congress and a memorable stay in Kyoto.

Tasuku Honjo, M.D., Ph.D.
President
20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress
Committees

Organizing Committee
Tasuku Honjo (President), Naoyuki Taniguchi (Secretary General), Ken-ichi Arai (Treasurer), Shigetada Nakanishi (Chair of the Program Committee), Mitsuhiro Yanagida (Chair of the International Liaison), Akio Sugino (Chair of the Domestic Liaison), Masamitsu Futai (President of the 11th FAOBMB Congress)

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Mary Osborn (President), George L. Kenyon (President Elect), Jacques-Henry Weil (General Secretary), Jan Joep H. M de Pont (Treasurer), Angelo Azzi (Chairman of the IUBMB Committee for Publications), Vito Turk (Chairman of the IUBMB Committee on Symposia and Interest Groups), Ken-ichi Arai (Member for Networking, Industrial Relations and Biotechnology), Knut-Jan Andersen (Liaison Member for IUBMB Congresses and Conferences), Cecilia Hidalgo (Member for Education)

FAOBMB Executive Committee
Qi-shui Lin (Past President), Kyung-Sooh Hahn (President), Khoo Hoon Eng (Secretary General), Kiyoshi Kita (Treasurer), Susan Hamilton (Chair, Education Committee), Samir K. Brahmachari (Chair, Fellowship Committee), Heung-Chin Cheng (Public Officer), Jisnuson Svasti (Honorary Member)

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Rhodora Romero Aldemita (Philippines), Knut-Jan Andersen (Norway), Yasuhiro Anraku (Japan), Angelo Azzi (Switzerland), Marc Baumann (Finland), Gheorghe Benga (Romania), Maurizio Brunori (Italy), Julio E. Celis (Denmark), Brian F.C. Clark (Denmark), Peter Csermely (Hungary), Leopoldo de Meis (Brazil), Jan Joep H.H.M de Pont (Netherlands), Alain Fischer (France), Alexandre Gabibov (Russia), Andre Goiffeau (Belgium), Joan J. Guinovart (Spain), Kyung-Sooh Hahn (Korea), Alan Hall (UK), Barry Halliwell (Singapore), Carl-Henrik Heldin (Sweden), Luis Herrera-Estrella (Mexico), Cecilia Hidalgo (Chile), Robert Huber (Germany), Tim Hunt (UK), Nancy Yuki-Yu Ip (Hong Kong), Motoyo Katsuki (Japan), George L. Kenyon (USA), Chong-Lek Koh (Malaysia), Roger D. Kornberg (USA), Arnost Kotyk (Czech Republic), Chris J. Leaver (UK), William J. Lennarz (USA), Qi-Shui Lin (China), Pedro Moradas-Ferreira (Portugal), V. Nagaraja (India), Walter Neupert (Germany), Paul Nurse (USA), Eiko Ohtsuka (Japan), Mary Osborn (Germany), Jacek Otlewski (Poland), Peter Ott (Switzerland), Nezlin Kartal Ozer (Turkey), Eta Na Padan (Israel), In Kook Park (Korea), M. Iqbal Parker (South Africa), Armando Jose Parodi (Argentina), David Parry (New Zealand), Laszlo Patthy (Hungary), Tony Pawson (Canada), Tran Chau Thi Pham (Vietnam), Muhammad Ataur Rahman (Pakistan), Norma Ryan (Ireland), Margarita Salas (Spain), William H. Sawyer (Australia), Richard J. Simpson (Australia), Vladimir P. Skulachev (Russia), Avadheshia Surelia (India), RTM Santamaria-Cardasis (Indonesia), Jisunsoon Svasti (Thailand), Tadaomi Takenawa (Japan), Vincent Tianjani (Cameroon), Orestes Tsolas (Greece), Vito Turk (Slovenia), Gunnar von Heijne (Sweden), Chih-chen Wang (China), Yau-Huei Wei, (Taipei, China), Jacques-Henry Weil (France), Joel Weiner (Canada), Genjun Xu (China)

General Secretory Office Members
Naoyuki Taniguchi (Chair), Keiichiro Suzuki, Yoshihiro Yoneda

Program Committee
Shigetada Nakanishi (Chair), Shuh Narumiya (Vice-Chair), Fumio Hamaoka, Masahiro Kageyama, Toshiaki Katada, Kiyoshi Kita, Tohru Kita, Hisato Kondou, Kunihiro Matsumoto, Kohei Miyazono, Kosuke Morikawa, Takeki Maramatsu, Etsuko Nishida, Kiyotaka Okada, Yoshiyuki Sakaki, Yoshiki Sasai, Akio Sugino, Yoshihiko Takai, Tadatsugu Taniguchi, Katsuyuki Tanizawa, Shoichiro Tukita, Masayuki Yamamoto

Poster Review Committee
### Congress Information

#### Dates
Sunday, June 18 - Friday, June 23, 2006

#### Venues
**Kyoto International Conference Hall (KICH)**
Takaragaike, Sakyo-ku, Kyoto 606-0001  
Phone: + 81-75-705-1234  Fax: + 81-75-705-1100

**Kyoto Takarajimae Prince Hotel**
Takaragaike, Sakyo-ku, Kyoto 606-8505  
Phone: + 81-75-712-1111  Fax: + 81-75-712-7677

#### Official Language
English (no simultaneous interpretation provided)

### Preliminary Program Overview

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<th>Lunchtime</th>
<th>Afternoon</th>
<th>Evening</th>
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</table>
| **June 16 (Fri) - 17 (Sat)** | **Young Scientists' Program**  
(at CO-OP Inn Kyoto) |                         |                         |                  |
| **June 18 (Sun)** | **Registration** |                         | Opening Ceremony  
Plenary Lecture  
13:30 – 14:20  
Symposia  
14:30 – 16:15  
Poster Sessions  
16:45 – 18:00 | Get-together  
Evening Workshops  
18:00 – 19:45 |
| **June 19 (Mon)** | **Plenary Lecture**  
8:30 – 9:20  
Symposia  
9:30 – 11:45 | **Biotechnology Seminars**  
12:00 – 13:15 | **Plenary Lecture**  
13:30 – 14:20  
Symposia  
14:30 – 16:45  
Poster Sessions  
16:45 – 18:00 |                  |
| **June 20 (Tues)** | **Plenary Lecture**  
8:30 – 9:20  
Symposia  
9:30 – 11:45 | **Poster Sessions**  
11:45 – 13:00 | **Excursions**  
13:30 – 18:00 |                  |
| **June 21 (Weds)** | **Plenary Lecture**  
8:30 – 9:20  
Symposia  
9:30 – 11:45 | **Biotechnology Seminars**  
12:00 – 13:15 | **Plenary Lecture**  
13:30 – 14:20  
Symposia  
14:30 – 16:45  
Poster Sessions  
16:45 – 18:00 | **Evening Workshops**  
18:00 – 19:45  
**Banquet** |
| **June 22 (Thurs)** | **Plenary Lecture**  
8:30 – 9:20  
Symposia  
9:30 – 11:45 | **Biotechnology Seminars**  
12:00 – 13:15 | **Plenary Lecture**  
13:30 – 14:20  
Symposia  
14:30 – 16:45  
Poster Sessions  
16:45 – 18:00 | **Evening Workshops**  
18:00 – 19:45 |
| **June 23 (Fri)** | **Plenary Lecture**  
8:30 – 9:20  
Symposia  
9:30 – 11:45 | **Biotechnology Seminars**  
12:00 – 13:15 | **Plenary Lecture**  
13:30 – 14:20  
Symposia  
14:30 – 16:45  
Poster Sessions  
16:45 – 18:00 | **Closing Ceremony** |
### A brief summary of Social Programs and Evening Programs

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<th>Sunday, June 18</th>
<th>Tuesday, June 20</th>
<th>Thursday, June 22</th>
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<tr>
<td>Opening Ceremony</td>
<td>Get-together</td>
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### Plenary Lectures

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<td>IUBMB/FAOHBMB Hayashi Lecture</td>
<td>IUBMB Beatty Lecture</td>
<td>FEBS Lecture</td>
<td>FAOHBMB/IUBMB Yagi Lecture</td>
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<tr>
<td>Main Hall</td>
<td>Main Hall</td>
<td>Main Hall</td>
<td>Main Hall</td>
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<tr>
<td>Charles S. Zuker (USA)</td>
<td>Tak W. Mak (Canada)</td>
<td>Iain Mattaj (Germany)</td>
<td>Bruce Stillman (USA)</td>
</tr>
<tr>
<td>Tentative Title: The molecular biology of taste</td>
<td>Tentative Title: Genetic dissection of cell death pathways</td>
<td>Tentative Title: Postmitotic nuclear envelope assembly</td>
<td>Tentative Title: The origin recognition complex and the duplication of chromosomes in eukaryotes</td>
</tr>
<tr>
<td>IUBMB Slater Lecture</td>
<td>FAOHBMB Lecture</td>
<td>Nishizuka Lecture</td>
<td>FAOHBMB Svasti Lecture</td>
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<tr>
<td>Main Hall</td>
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<tr>
<td>Pascale Cossart (France)</td>
<td>Yoshinori Ohsumi (Japan)</td>
<td>Hans Clevers (The Netherlands)</td>
<td>Sunghoon Kim (Korea)</td>
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<tr>
<td>Tentative Title: Host pathogen interactions: The Listeria paradigm</td>
<td>Tentative Title: Cellular recycle system - Molecular dissection of autophagy</td>
<td>Tentative Title: Wnt and notch signaling pathways in development and cancer of the gut</td>
<td>Tentative Title: Functional network of aminoacyl-tRNA synthetases and human diseases</td>
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<th>Mon. June 19</th>
<th>Tue. June 20</th>
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<td>IUBMB Lecture</td>
<td>FAOHBMB Murachi Lecture</td>
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<tr>
<td>Main Hall</td>
<td>Main Hall</td>
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<tr>
<td>Gerald Hart (USA)</td>
<td>Zhu Chen (China)</td>
</tr>
<tr>
<td>Tentative Title: Dynamic interplay between phosphorylation and O-GlcNAcylation: Roles in signaling, transcription &amp; cell survival</td>
<td>Tentative Title: Systems biology of leukemia</td>
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<tr>
<td>IUBMB Ochoa Lecture</td>
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<tr>
<td>Main Hall</td>
<td>Main Hall</td>
</tr>
<tr>
<td>David C. Baulcombe (UK)</td>
<td>Zhu Chen (China)</td>
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<tr>
<td>Tentative Title: Gene silencing in plants</td>
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| Tue. June 20 | |
|-------------||
| FAOHBMB Murachi Lecture | |
| Main Hall | Main Hall |
| Zhu Chen (China) | Zhu Chen (China) |
| Tentative Title: Systems biology of leukemia | |

**Plenary Lectures**

- **Sun. June 18**
  - IUBMB/FAOHBMB Hayashi Lecture
  - Main Hall
  - Charles S. Zuker (USA)
  - Tentative Title: The molecular biology of taste

- **Mon. June 19**
  - IUBMB Lecture
  - Main Hall / 8:30-9:20
  - Gerald Hart (USA)
  - Tentative Title: Dynamic interplay between phosphorylation and O-GlcNAcylation: Roles in signaling, transcription & cell survival

- **Wed. June 21**
  - IUBMB Beatty Lecture
  - Main Hall / 8:30-9:20
  - Tak W. Mak (Canada)
  - Tentative Title: Genetic dissection of cell death pathways

- **Thu. June 22**
  - FEBS Lecture
  - Main Hall / 8:30-9:20
  - Iain Mattaj (Germany)
  - Tentative Title: Postmitotic nuclear envelope assembly

- **Fri. June 23**
  - FAOHBMB/IUBMB Yagi Lecture
  - Main Hall / 8:30-9:20
  - Bruce Stillman (USA)
  - Tentative Title: The origin recognition complex and the duplication of chromosomes in eukaryotes
Planned Symposia (Tentative)

Mon. June 19

S01 Main Hall / 9:30-11:45
Glycobiology
Disorder of glycosylation and disease
chair: Toshisuke Kawasaki (Japan)
chair: William Lennarz (USA)
Hudson Freeze (USA)
Richard D. Cummings (USA)
Aebi Markus (Switzerland)
Tadashi Suzuki (Japan)

S02 Room A / 9:30-11:45
RNA
The frontiers of RNA research on diversified gene expression network
chair: Akila Mayeda (USA)
chair: Stefan Stamm (Germany)
Xiang-Dong Fu (USA)
Mutsuhito Ohno (Japan)

S03 Room B-1 / 9:30-11:45
Bioenergetics
ATP-driven pumps and their roles in cellular functions
chair: Masatomo Maeda (Japan)
chair: Ernesto Carafoli (Italy)
Adela Gonzalez de la Campa (Spain)
Chikashi Toyoshima (Japan)
Ayako Ohashi-Kobayashi (Japan)

S04 Room B-2 / 9:30-11:45
Molecular Evolution
Diversification and evolution of protein-protein interactions in view of proteome
chair: Takashi Gojobori (Japan)
chair: Woon-Hsiung Li (USA)
Thoru Natsume (Japan)
Ken Nishikawa (Japan)
Andrey Rzhetsky (USA)

S05 Room D / 9:30-11:45
Plant Biology
Plant development and cell death: View from cell biology
chair: Ikuko Hara-Nishimura (Japan)
chair: Jean T. Greenberg (USA)
Mikio Nishimura (Japan)
Vernonica E. Franklin-Tong (UK)
Savithramma P. Dinesh-Kumar (USA)

S06 Room E / 9:30-11:45
Commemorative Symposium
Biology and disorders of ADP-ribosylation: In commemoration of the 40th anniversary of the discovery of ADP-ribosylation
chair: Mitsuko Masutani (Japan)
chair: Joel Moss (USA)
Masanao Miwa (Japan)
Françoise Dantzer (France)
Valerie Kickhoefer (USA)

S07 Prince Hall / 9:30-11:45
Transcription
Role of co-regulator complexes in transcription regulation
chair: Shigeaki Kato (Japan)
chair: Christopher K. Glass (USA)
Laszlo Tora (France)
Sung Hee Baek (Korea)
Kazuhiko Igarashi (Japan)

S08 Gold Room / 9:30-11:45
Single Molecule Biology
Single molecule nanobiology
chair: Toshio Yanagida (Japan)
chair: Claudia Veigel (UK)
Toshio Ando (Japan)

S09 Takasago Room / 9:30-11:45
Biotechnology
JBA Session: The possibilities and limitations of bio-analysing technologies
chair: Kenichi Matsubara (Japan)

S10 Suehiro Room / 9:30-11:45
Infectious Diseases
Emerging viral and prion diseases
chair: Yoshihiro Kawaoka (Japan)
chair: Heinz Feldmann (Canada)
Koichi Morita (Japan)
Adriano Aguzzi (Switzerland)

S11 Main Hall / 14:30-16:45
RNA
Small RNAs as regulators of gene expression
chair: Haruhiko Siomi (Japan)
chair: V. Narry Kim (Korea)
Phillip D. Zamore/ Yukihide Tomari (USA)
Erik Sontheimer (USA)
Mikiko C. Siomi (Japan)

S12 Room A / 14:30-16:45
Glycobiology
Complex formation on the membrane and sugar chains
chair: Akemi Suzuki (Japan)
chair: Pamela Stanley (Japan)
Sen-stiroh Hakomori (USA)
Yvette van Kooyk (The Netherlands)
Takashi Muramatsu (Japan)

S13 Room B-1 / 14:30-16:45
Bioenergetics
Electron transport systems in biomembranes
chair: Shinya Yoshikawa (Japan)
chair: William A. Cramer (USA)
Sergio Papa (Italy)
Marten Wikstrom (Finland)
Chang-An Yu (USA)
S14  Room B-2 / 14:30-16:45
Molecular Evolution
Molecular mechanism of species diversification
chair: Norihiro Okada (Japan)
chair: Thomas D. Kocher (USA)
Karen Carleton (USA)
Arkhat Abzhanov (USA)

S15  Room D / 14:30-16:45
Plant Biology
Signaling networks in plants
chair: Akira Nagastani (Japan)
chair: Klaus Palme (Germany)
Hong Gil Nam (Korea)
Xing-Wang Deng (USA)

S16  Room E / 14:30-16:45
Commemorative Symposium
Structures and functions of oxygenases: In commemoration of the 50th anniversary of the discovery of oxygenases
chair: Shozo Yamamoto (Japan)
chair: Bettie Sue Masters (USA)
Osamu Hayashi (Japan)
Yoshitsugu Shiro (Japan)
John D. Lipscomb (USA)
Alan R. Brash (USA)

S17  Prince Hall / 14:30-16:45
Transcription
Transcription control and chromatin structure
chair: Shunsuke Ishii (Japan)
chair: Jerry L. Workman (USA)
Neil Brockdorff (UK)
Yota Murakami (Japan)
James T. Kadonaga (USA)

S18  Gold Room / 14:30-16:45
Single Molecule Biology
Single molecule imaging of cell signaling in living cells
chair: Akihiro Kusumi (Japan)
chair: Barbara A. Baird (USA)
Derek Toomre (USA)
Daniel Choquet (France)
Takahiro Fujiwara (Japan)

S19  Takasago Room / 14:30-16:45
Immunity
Chemokines: Regulation of cell migration in immune response and development
chair: Osamu Yoshie (Japan)
chair: John H. Kehrl (USA)
Dianqing Wu (USA)
Akiko Iwasaki (USA)
Takashi Nagasawa (Japan)

S20  Suehiro Room / 14:30-16:45
Infectious Diseases
Biology for Malaria control
chair: Toshihiro Horii (Japan)
chair: Chetan E. Chitnis (India)
Brendan Crabb (Australia)
Kazuyuki Tanabe (Japan)
Tomoko Ishino (Japan)
Wed. June 21

S28  Gold Room / 9:30-11:45
Membrane Trafficking
Regulating membrane traffic to endosomes/lysosomes
chair: Kazuhisa Nakayama (Japan)
chair: Sandra Schmid (USA)
    Jennifer Slow (Australia)
    Sergio Grinstein (Canada)
    Mitsunori Fukuda (Japan)

S29  Takasago Room / 9:30-11:45
Education
Teaching Biochemistry in the 21st century
chair: Haruhiko Masaki (Japan)
chair: Edward Wood (UK)
    Eun Hee Cho (Korea)
    Zengyi Chang (China)

S30  Suehiro Room / 9:30-11:45
Transcription
Epigenetics in cellular memory
chair: Yoichi Shinkai (Japan)
chair: Terumi Kohwi-Shigematsu (USA)
    Manel Esteller (Spain)
    Yi Zhang (USA)
    Haruhiko Koseki (Japan)
    Kei-ichi Shibahara (Japan)

S31  Main Hall / 9:30-11:45
Cell Death
Molecular mechanism of apoptosis
chair: Shigekazu Nagata (Japan)
chair: Junying Yuan (USA)
    Andreas Strasser (Australia)
    Craig B. Thompson (USA)

S32  Room A / 9:30-11:45
Membrane Trafficking
 Membrane traffic: Molecular mechanisms
chair: Akihiko Nakano (Japan)
chair: William E. Balch (USA)
    Ken Sato (Japan)
    Charles Barlowe (USA)
    Graham Warren (USA)

S33  Room B-1 / 9:30-11:45
Aging and Diseases
Metabolic syndrome, atherosclerosis and obesity
chair: Juro Sakai (Japan)
chair: Jae Bum Kim (Korea)
    Hiroaki Masuzuki (Japan)

S34  Room B-2 / 9:30-11:45
Education
(TBA)
chair: Donald Voet (USA)
chair: Judith G. Voet (USA)
    Manuel Jo Costa (Portugal)
    Susan Hamilton (Australia)
    P. K. Rangachari (Canada)

S35  Room D / 9:30-11:45
Cell Adhesion
Cell-cell adhesion
chair: Yoshimi Takai (Japan)
chair: Elaine Fuchs (USA)
    Masatoshi Takeichi (Japan)
    Thomas Lecuit (France)

S36  Room E / 9:30-11:45
Signal Transduction
NO and CO: Distinct biochemical identity
chair: Makoto Suematsu (Japan)
chair: Nader G. Abraham (USA)
    Toru Shimizu (Japan)
    Michael A. Marletta (USA)

S37  Prince Hall / 9:30-11:45
Immunity
Frontier in the molecular biology of lymphocytes
chair: Tadatsugu Taniguchi (Japan)
chair: Richard Flavell (USA)
    Rudolf Grosschedl (Germany)
    Kathryn Calame (USA)

S38  Gold Room / 9:30-11:45
Neuroscience
Constructing brain structures (tentative title)
chair: Fujio Murakami (Japan)
chair: John Parnavelas (UK)
    Alain Chedotal (France)
    Takaki Miyata (Japan)
    Seong-Seng Tan (Australia)

S39  Takasago Room / 9:30-11:45
Biotechnology
Chugai Session: Towards molecular targeting therapeutics—Basic research and its application
chair: Tatsumi Yamazaki (Japan)

S40  Suehiro Room / 9:30-11:45
Sleep and Clock
Biological mechanisms of sleep-wake regulation
chair: Yoshihiro Urade (Japan)
chair: Bertil B. Fredholm (Sweden)
    Pierre-Herve Luppi (France)
    Mehdi Tafti (Switzerland)

S41  Main Hall / 14:30-16:45
Cell Death
Apoptosis in development and disease
chair: Masayuki Miura (Japan)
chair: Michael Hengartner (Switzerland)
    Hermann Steller (USA)
    Sharad Kumar (Australia)
S42  Room A / 14:30-16:45
Membrane Trafficking
Membrane traffic: Physiology and diseases
chair: Hiroshi Ohno (Japan)
chair: Graça Raposo (France)
Tamotsu Yoshimori (Japan)
Peter Arvan (USA)

S43  Room B-1 / 14:30-16:45
Aging and Diseases
Angiogenesis and lymphangiogenesis
chair: Masabumi Shibuya (Japan)
chair: Anne Eichmann (France)
Napoleon Ferrara (USA)
Kari Alitalo (Finland)

S44  Room B-2 / 14:30-16:45
Lipid
Lipid mediators in health and diseases
chair: Junken Aoki (Japan)
chair: Glenn D. Prestwich (USA)
Sarah Spiegel (USA)

S45  Room D / 14:30-16:45
Cell Adhesion
Cell-substrate adhesion
chair: Tatsuo Kinashi (Japan)
chair: Timothy A. Springer (USA)
Michael P. Sheetz (USA)
Richard Hynes (USA)

S46  Room E / 14:30-16:45
Signal Transduction
New aspects of phosphoinositide signaling
chair: Kiyoko Fukami (Japan)
chair: Donald W. Hilgemann (USA)
Pann-Ghill Suh (Korea)
Yoshikazu Nakamura (Japan)
Takehiko Sasaki (Japan)
Christina Mitchell (Australia)

S47  Prince Hall / 14:30-16:45
Immunity
Innate immunity: From plants to animals
chair: Shizuo Akira (Japan)
chair: Jules A. Hoffmann (France)
Elena A. Levashina (France)
Jeffrey L. Dangl (USA)
Bruce Beutler (USA)

S48  Gold Room / 14:30-16:45
Neuroscience
Neuronal polarity
chair: Kozo Kaibuchi (Japan)
chair: Carlos G. Dotti (Italy)
Gary Banker (USA)
Yuh-Nung Jan (USA)
Mineko Kengaku (Japan)

S49  Takasago Room / 14:30-16:45
Genomics
Regulatory genomics
chair: Yoshiyuki Sakaki (Japan)
chair: Hans Lehrach (Germany)
Bing Ren (USA)
Yoshinari Hayashizaki (Japan)
Yasunori Ito (Japan)

S50  Suehiro Room / 14:30-16:45
Sleep and Clock
From clock biochemistry to molecular medicine
chair: Norio Ishida (Japan)
chair: Fred W. Turek (USA)
Toru Takumi (Japan)
Paolo Sassone-Corsi (France)
Gijbertus T. J. van der Horst (The Netherlands)

Thu. June 22

S51  Main Hall / 9:30-11:45
Structures and Proteins
Structural biology on cellular surface
chair: Yoshinori Fujisaki (Japan)
chair: Nigel Unwin (UK)
Werner Kühlbrandt (Germany)
Thomas Walz (USA)

S52  Room A / 9:30-11:45
Signal Transduction
Roles of kinases in cell regulation
chair: Yukiko Gotoh (Japan)
Dario Alessi (UK)
Anne Brunet (USA)
David Sabatini (USA)

S53  Room B-1 / 9:30-11:45
Development
Advances in skeletonics in development and growth
chair: Toshiyuki Yoneda (Japan)
chair: Erwin F. Wagner (Austria)
Ernestina Schipani (USA)
Amanda Fosang (Australia)

S54  Room B-2 / 9:30-11:45
Systems Biology
Decoding networks underlying complex biological systems
chair: Hiroki R. Ueda (Japan)

S55  Room D / 9:30-11:45
Aging and Diseases
Dentritic cells and human diseases
chair: Tatsutoshi Nakahata (Japan)
chair: Virginia Pascual (USA)
Koji Matsushita (Japan)
Norimitsu Kadowaki (Japan)
S56  Room E / 9:30-11:45
Lipid
Lipid transport and membrane genesis
chair: Masahiro Nishijima (Japan)
chair: Jean E. Vance (Canada)
Maryse A. Block (France)
Kentaro Hanada (Japan)
Tim Levine (UK)
Christian C. R. H. Raetz (USA)

S57  Prince Hall / 9:30-11:45
Quality Control of Proteins and Proteolysis
Proteases and protease inhibitors in health and disease
chair: Hiroshi Kido (Japan)
chair: Guy Salvesen (USA)
Michael S. Wolfe (USA)
Carl P. Blobel (USA)
Matthew Freeman (UK)
Koichi Suzuki (Japan)

S58  Gold Room / 9:30-11:45
Cancer
Abnormality of the cell cycle checkpoints in cancer
chair: Yoichi Taya (Japan)
chair: Carol Prives (USA)
Yosef Shiloh (Israel)
Peter Sicinski (USA)

S59  Takasago Room / 9:30-11:45
Cytoskeleton
Dynamics and structural basis of cytoskeleton assembly
chair: Shuh Narumiya (Japan)
chair: Thomas D. Pollard (USA)
Clare M. Waterman-Storer (USA)

S60  Suehiro Room / 9:30-11:45
DNA Repair and recombination
DNA recombination with sequence specificity
chair: Reiko Shinkura (Japan)
chair: Fred Alt (USA)

S61  Main Hall / 14:30-16:45
Development
Recent progress in stem cell biology
chair: Shinya Yamanaka (Japan)
chair: Austin Smith (UK)
Kyunghhee Choi (USA)
Joy Rathjen (Australia)

S62  Room A / 14:30-16:45
Signal Transduction
Calcium signaling
chair: Katsuhiko Mikoshita (Japan)
chair: James E. Haber (USA)

S63  Room B-1 / 14:30-16:45
RNA
RNA metabolism: Its involvement in physiology and diseases
chair: Hideyuki Okano (Japan)
chair: Robert B. Darnell (USA)
Jennifer C. Darnell (USA)
Ken Inoue (Japan)

S64  Room B-2 / 14:30-16:45
Systems Biology
Complex and dynamic behaviors of the gene networks
chair: Shigeru Kondo (Japan)
chair: Lingchong You (USA)
Julian Lewis (UK)
Cheng-Ming Chuong (USA)

S65  Room D / 14:30-16:45
Structures and Proteins
Structural basis on the regulation of intracellular signaling
chair: Fuyuhiko Inagaki (Japan)
Michael J. Eck (USA)
Mitsu Ikura (Japan)

S66  Room E / 14:30-16:45
Lipid
Lipid modifications of proteins
chair: Taroh Kinoshita (Japan)
chair: Fuyuhiko Tanomii (USA)
Maurine E. Linder (USA)
Satyajit Mayor (India)
Yusuke Maeda (Japan)

S67  Gold Room / 14:30-16:45
Cancer
Signaling abnormalities in cancer
chair: Kohei Miyazono (Japan)
chair: Carl-Henrik Heldin (Sweden)
Walter Birchmeier (Germany)
Tony Burgess (Australia)

S68  Takasago Room / 14:30-16:45
Cytoskeleton
Integrating signals for cell migration
chair: Tadaomi Takenawa (Japan)
chair: Richard Firtel (USA)
Peter Friedl (Germany)
Michael K Rosen (USA)

S69  Suehiro Room / 14:30-16:45
DNA Repair and recombination
Homologous recombination
chair: Shunsuke Takeda (Japan)
chair: James E. Haber (USA)
Simon Boulton (UK)
Alan Lehmann (UK)
Akira Shinozuka (Japan)
Fri. June 23

S70  Main Hall / 9:30-11:45
Chromosome
Molecular cell biology of chromosome dynamics
chair: Tatsuya Hirano (USA)
chair: Laemmli Ulrich (Switzerland)
Jan-Michael Peters (Austria)
Yoshinori Watanabe (Japan)

S71  Room A / 9:30-11:45
Development
Signaling networks in embryo and organogenesis
chair: Hisato Kondoh (Japan)
chair: Marianne Bronner-Fraser (USA)
Ryoichiro Kageyama (Japan)
Philippe Sortano (USA)
Joel H. Rothman (USA)

S72  Room B-1 / 9:30-11:45
Cytoskeleton
Mechanisms of epithelio genesis
chair: Shigeo Ohno (Japan)
chair: Mark Krasnow (USA)
Ira Mellman (USA)
Yoshiko Takahashi (Japan)

S73  Room B-2 / 9:30-11:45
Agrobiology and Nutraceutical biotechnology
A new era of rice genome research, molecular integration and biological diversity
chair: Takaji Sasaki (Japan)
chair: Susan R. McCouch (USA)
Thomas Bureau (Canada)
Makoto Matsuoka Motoyuki Ashikari (Japan)
Takashi Matsumoto (Japan)

S74  Room D / 9:30-11:45
Cell Cycle
DNA replication and the cell cycle
chair: Haruhiko Takeda (Japan)
chair: Ron Laskey (UK)
Hirotaka Okaya (Japan)
Keiichi Nakayama (Japan)
Anindya Dutta (USA)
Genevieve Almouzni (France)

S75  Room E / 9:30-11:45
Bioinformatics
Pathway database
chair: Minoru Kanehisa (Japan)
chair: Peer Bork (Germany)
Dietmar Schomburg (Germany)
Lynda Ellis (USA)
Shankar Subramaniam (USA)

S76  Prince Hall / 9:30-11:45
Quality Control of Proteins and Proteolysis
Uncovering the mystery of ubiquitin-proteasome system
chair: Keiji Tanaka (Japan)
chair: Chin Ha Chung (Korea)
Ze’ev Ronai (USA)
Dong-Er Zhang (USA)
Kazuhiro Iwai (Japan)
Shigeo Murata (Japan)

S77  Gold Room / 9:30-11:45
Organelle Biogenesis
Organelle biogenesis and human disorders
chair: Yukio Fujiki (Japan)
chair: Walter Neupert (Germany)
Richard Youle (USA)
Taroh Kinoshita (Japan)

S78  Takasago Room / 9:30-11:45
Redox
Redox sensor mechanism against electrophiles
chair: Koji Uchida (Japan)
chair: Thomas W. Kensler (USA)
Michel B. Toledano (France)
Arne Holmgren (Sweden)
Masayuki Yamamoto (Japan)

S79  Suehiro Room / 9:30-11:45
Biotransformation
Biodiversity of P450 and drug metabolism
chair: Tetsuya Kamataki (Japan)
chair: Frank J. Gonzalez (USA)
Eric F. Johnson (USA)
Ulrich M. Zanger (Germany)
Yuzo Yoshida (Japan)

S80  Main Hall / 14:30-16:45
Chromosome
Mechanisms of chromosome condensation and segregation
chair: Yoshihiro Yoneda (Japan)
chair: Andy Choo (Australia)

S81  Room A / 14:30-16:45
Structures and Proteins
Functional and structural biology on macromolecular assemblies in nuclei
chair: Kouke Morikawa (Japan)
James M. Berger (USA)

S82  Room B-1 / 14:30-16:45
DNA Repair and recombination
DNA damage and repair in cancer and aging
chair: Fumio Hanaoka (Japan)
chair: Wei Yang (USA)
Alan D. D’Andrea (USA)
Jan H. J. Hoeijmakers (The Netherlands)
Kiyoshi Tanaka (Japan)
**S83  Room B-2 / 14:30-16:45**
**Agrobiology and Nutraceutical biotechnology**
Fermentation and agrobiotechnology  
chair: Katsuhiko Kitamoto (Japan)  
chair: Ying-Chieh Tsai (Taipei, China)  
Emmanuelle Maguin (France)  
Hideo Mori (Japan)  
David Archer (UK)

**S84  Room D / 14:30-16:45**
**Cell Cycle**
Molecular dynamics at the eukaryotic DNA replication fork and its dysfunctional consequences  
chair: Akio Sugino (Japan)  
chair: Peter Burgers (USA)  
Hiroyuki Araki (Japan)  
Yeon-Soo Seo (Korea)

**S85  Room E / 14:30-16:45**
**Bioinformatics**
Gene expression analysis and gene network inference  
chair: Satoru Miyano (Japan)  
chair: Alvis Brazma (UK)  
Katsuhisa Horimoto (Japan)  
Ilya Shmulevich (USA)  
Cristin Print (UK)

**S86  Prince Hall / 14:30-16:45**
**Quality Control of Proteins and Proteolysis**
Quality control of proteins from bacteria to human  
chair: Kazutoshi Mori (Japan)  
chair: Ari Helenius (Switzerland)

**S87  Gold Room / 14:30-16:45**
**Organelle Biogenesis**
Dynamics of organelle morphology and its regulation  
chair: Katsuyoshi Mihara (Japan)  
chair: Kai Simons (Germany)  
Vivek Mallatia (USA)

**S88  Takasago Room / 14:30-16:45**
**Redox**
Biological responses for reactive oxygen and hypoxia  
chair: Masayuki Yamamoto (Japan)  
chair: Lorenz Poellinger (Sweden)  
Steven Kleeberger (USA)  
Hideki Motijii (Japan)  
Randall Johnson (USA)  
Greg Semenza (USA)

**S89  Suehiro Room / 14:30-16:45**
**Bioactive Substances from Natural Environment**
New strategy for scientific elucidation of traditional herbal medicine  
chair: Haruki Yamada (Japan)  
chair: Ming-Jai Su (Taipei, China)  
Takeshi Miyata (Japan)  
Kwok-Fai So (China)  
Hyunsu Bae (Korea)

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**Poster Sessions**

Poster sessions will be great opportunities especially for young scientists to make their work known to a wider audience and to exchange their scientific knowledge and ideas.

The organizing committee emphasizes the importance of posters and, accordingly, ample space and time will be devoted to poster viewing and discussion. Two large halls will be prepared for posters, and each poster will be on display for one day. Poster sessions will be held between 16:45 and 18:00 on June 19, 21, 22 and 23, and between 11:45 and 13:00 on June 20. All participants are invited to submit an abstract of original current work to poster sessions at the Congress. Please refer to page 14 for abstract submissions.

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**Bioindustry Seminars**

At lunch time you can join Bioindustry Seminars which provide delicious lunch boxes. 7-8 sponsored seminars will be held in lunch hour during the congress. Your attendance will be welcomed.

The Bioindustry seminars are sponsored seminars and will be conducted in a luncheon format.

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**Venue:** Kyoto International Conference Hall  
Kyoto Takaragaike Prince Hotel  

**Time allocation:** 12:00-13:15  

Inquiries from Japan to:  
A & E Planning Co., Ltd. Head office  
Tel: +81-3-3230-2744  
Fax: +81-3-3230-2479

Inquiries from abroad to:  
A & E Planning Co., Ltd. Osaka office  
E-mail: iubmb2006-exh@aeplan.co.jp  
Tel: +81-6-6350-7162  
Fax: +81-6-6350-7164
Evening Workshops

During the Congress, 12 evening workshops for Key Scientific Fields of Study (see below) will be offered after the Symposium program, from 18:00-19:30 in Kyoto International Conference Hall. Our main purpose in holding the workshops is to facilitate networking between scientists and researchers, both young and experienced, professors and students, and academics and company executives, where discussion can be freely pursued.

Themes of Evening Workshops (proposed)

<table>
<thead>
<tr>
<th>Field</th>
<th>Themes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genes</td>
<td>Gene Expression, Micro array</td>
</tr>
<tr>
<td>RNA</td>
<td>RNAi, Transcriptome</td>
</tr>
<tr>
<td>Proteins</td>
<td>Proteome, Protein Array/ Antibody array</td>
</tr>
<tr>
<td>Metabolism</td>
<td>Metabolome, BioInformatics</td>
</tr>
<tr>
<td>System Biology</td>
<td>System Biology, Regeneration biology</td>
</tr>
<tr>
<td>Signal Transduction</td>
<td>Signal Transduction, Glycoscience</td>
</tr>
</tbody>
</table>

Refreshments and snacks will be provided by several sponsoring companies.

For additional information, please visit our website at http://www.congre.co.jp/iubmb/

Satellite Meetings

Molecular Mechanism and Regulation in Cation Transport ATPases and Related Genetic Diseases

Sunday, June 25-Tuesday, June 27
Asahikawa Grand Hotel, Asahikawa, Hokkaido, Japan
Organizers: Hiroshi Suzuki (Asahikawa Medical College), Kazuya Taniguchi (Hokkaido University, professor emeritus)
E-mail: hisuzuki@asahikawa-med.ac.jp

Biochemistry and Molecular Biology of Sensor Enzymes and Proteins

Thursday, June 15-Friday, June 16
Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, 2-1-1 Katahira, Aoba-ku, Sendai 980-8577, Japan
Organizer: Toru Shimizu (Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai)
E-mail: shimizu@tagen.tohoku.ac.jp

Extracellular Glycomatrix in Health and Disease

Thursday, June 15-Saturday, June 17
The Hyogo Prefectural Awaji Yumebutai International Conference Center, 1 Yumebutai, Awaji Island, Hyogo 656-2301 Japan
Organizer: Koji Kimata (Institute for Molecular Science of Medicine, Aichi Medical University)
E-mail: glycom@aichi-med-u.ac.jp

Biology of 14-3-3 proteins

Saturday, June 17
SHIRAN KAIKAN-Kyoto University of Medicine Centennial Hall-Yamauchi Hall, Yoshidakonoe-cho, Sakyo-ku, Kyoto 600-8501, Japan
Organizers: Yukiko Gotoh, Tohru Ichimura, Hiroshi Kido
E-mail: ichimura@mail.comp.metro-u.ac.jp

New Frontiers of the Biotin-related Biochemistry

Friday, June 16-Saturday, June 17
Aso, Kumamoto Prefecture, Japan
Organizer: Hiroki Kondo (Faculty of Computer Science and Systems Engineering, Kyushu Institute of Technology)
E-mail: kondo@bio.kyutech.ac.jp

International Glycosyltransferase Symposium

Monday, June 26-Wednesday, June 28
Tsukuba International Congress Center, 2-20-3, Takezono, Tsukuba, Ibaraki 305-0032, Japan
Organizer: Hisashi Narimatsu (Research Center for Glycoscience, National Institute of Advanced Industrial Science and Technology)
E-mail: h.narimatsu@aist.go.jp,
E-mail: secretary_office.GlycoT2006@ni.aist.go.jp

Medical and Biological Perspectives in Proteases and Their Inhibitors

Sunday, June 25-Monday, June 26
Awaji Yumebutai International Conference Center, Awaji-1, Hyogo 656-2306, Japan
Organizers: Hiroshi Kido, Bolis Turk, Kenji Yamamoto and Shoichi Ishiura
E-mail: kid0@ier.tokushima-u.ac.jp

International Symposium for Human Liver Proteomics in Asia and Oceania

Thursday, June 15-Friday, June 16
Time 24, Tokyo BIGSITE, Ohme 2-45, Koto-Ku, Tokyo 135-8073, Japan
Organizer: Kazuyuki Nakamura (Professor and Chairman, Department of Biochemistry, Biomolecular Recognition, Yamaguchi University School of Medicine)
E-mail: nakamura@yamaguchi-u.ac.jp
E-mail: biochem1@yamaguchi-u.ac.jp

Antibody Engineering

Friday, June 16 - Saturday, June 17
Inamori Auditorium, Kagoshima University, 1-21-40 Korimoto, Kagoshima
Organizers: Kazuhisa Sugimura (Prof. Kagoshima University), Isao Ishida (General Manager and Director, Pharmaceutical Frontier Laboratory, Pharmaceutical Division, Kirin Brewery Co., Ltd.)
E-mail: abeng@be.kagoshima-u.ac.jp
On-line submission of abstracts (http://www.congre.co.jp/iubmb/) will be available from December 5, 2005. The deadline for abstract submission is January 31, 2006.

Abstracts can only be submitted via the web-site http://www.congre.co.jp/iubmb/. Abstracts sent by mail, FAX or E-mail will not be accepted. The deadline for abstract submission is January 31, 2006.

Submitted abstracts will be reviewed for poster presentation and should be prepared by following the instructions listed below.

1. An individual may submit only one abstract and may present only one paper at the Congress, but may appear as a co-author on an unlimited number of others.
2. Abstracts must be prepared in English. The combined length of the abstract title, author’s name(s), affiliation(s), title and body may not exceed 2000 characters.
3. The completed abstract should be submitted on-line via the congress website.
4. Upon submitting your abstract, please follow the guidelines given on the abstract form. Abstracts will be published as submitted; thus, any error that appears in the submitted abstract will appear in the published abstract.
5. Once your abstract has been successfully submitted, you will receive a confirmation by email. You can modify your abstract on-line until January 31, 2006 by using your abstract registration number and password.
6. Abstracts will be peer-reviewed by members of the Program Committee and Poster Review Committee.
7. Authors will be notified by email whether their abstracts have been accepted for presentation or not. If the abstract is accepted, authors will receive an abstract number which should be referred for any inquiries regarding your abstract.
8. Please be advised that if your registration is not completed or registration fee is not received by January 31, 2006, your abstract will be neither included in the program nor the abstract book. For any reasons your submission is declined, your registration fee will be fully refunded.

### Scientific Topics

#### Glycobiology
01.01 Glycoproteins
01.02 Glycolipids
01.03 Proteoglycans
01.04 Lectins
01.05 Carbohydrate-related enzymes
01.06 Glycotechnology
01.07 Others

#### Lipid
02.01 Lipid metabolome
02.02 Phospholipids
02.03 Sphingophospholipids
02.04 Phosphonositide
02.05 Bioactive lipids and receptors
02.06 Cholesterol and lipoproteins
02.07 Fatty acids and glyceride
02.08 Steroids
02.09 Lipid modification in proteins
02.10 Others

#### Structures and Proteins
03.01 Structural biology
03.02 Functional proteomics
03.03 Transfer proteins, Transporters
03.04 Others

#### Bioenergetics
04.01 Ion transporting ATPases
04.02 Electron transfer
04.03 Others

#### Quality Control of Proteins and Proteolysis
05.01 Protein folding and Quality control of proteins
05.02 Molecular chaperones
05.03 Proteases
05.04 Ubiquitin and proteasome
05.05 Autophagy
05.06 Others

#### Signal Transduction
06.01 Extracellular signaling molecules
06.02 Membrane receptor signaling
06.03 Nuclear receptor signaling
06.04 Cyclic nucleotides and target proteins
06.05 Calcium and target proteins
06.06 Phospholipids and target proteins
06.07 Protein kinases and phosphatases
06.08 MAP kinase family
06.09 Trimeric G proteins
06.10 Small G proteins
06.11 Adaptor proteins
06.12 Nitric oxide (NO)
06.13 Ion channels
06.14 Stress and stress responses
06.15 Others

#### Redox
07.01 Redox
07.02 Others

#### Cytoskeleton
08.01 Cell motility
08.02 Cytoskeleton
08.03 Others

#### Cell Adhesion
09.01 Cell-cell interactions and recognition
09.02 Extracellular matrix
09.03 Others

#### Membrane Trafficking
10.01 Intracellular trafficking
10.02 Vesicular transport
10.03 Others

#### Organelle Biogenesis
11.01 Dynamism of biomembranes
11.02 Biogenesis of intracellular organelles
11.03 Structure and function of intracellular organelles
11.04 Others

#### Cell Death
12.01 Apoptosis
12.02 Others

#### Single Molecule Biology
13.01 Biosensing
13.02 Bioimaging
13.03 Others
Genomics
14.01 Genes and nucleic acids
14.02 Genome information
14.03 Others

Chromosome
15.01 Genome function
15.02 Nuclear structures and functions
   (Chromosome, Chromatin, Nucleoli)
15.03 Epigenetic regulation
15.04 Gene silencing
15.05 Extra-chromosomal factor
   (Viruses, Phages, Plasmids, Transposons)
15.06 Others

Cell Cycle
16.01 Cell proliferation
16.02 Cell division
16.03 Replication
16.04 Others

DNA Repair
17.01 DNA recombination
17.02 DNA modifications
17.03 Mutations
17.04 Others

Transcription
18.01 Transcription
18.02 Others

RNA
19.01 RNA functions
19.02 RNA processing
19.03 Translation
19.04 Non-coding RNA
19.05 Others

Molecular Evolution
20.01 Molecular evolution
20.02 Others

Development
21.01 Embryogenesis
21.02 Morphogenesis
21.03 Cell differentiation
21.04 Stem cells, reproduction, fertilization
21.05 Regeneration
21.06 Others

Neuroscience
22.01 Development and differentiation of the nervous system
22.02 Neural signal transduction
22.03 Synaptic transmission and brain function
22.04 Others

Systems Biology
23.01 Molecular and Cellular Networks
23.02 Simulation / in silico Reconstruction
23.03 Others

Bioinformatics
24.01 Genome informatics
24.02 Metabolomics
24.03 Proteomics
24.04 Others

Immunity
25.01 Immunology and related diseases
25.02 Others

Aging and Diseases
26.01 Aging
26.02 Cardiovascular diseases
26.03 Life style-related diseases
26.04 Stress and diseases
26.05 Endocrinological and metabolic diseases
26.06 Neurological diseases
26.07 Miscellaneous diseases
26.08 Molecular diagnosis and laboratory medicine
26.09 Drugs, toxins and environmental factors
26.10 Others

Infectious Diseases
27.01 Infectious diseases
27.02 Others

Cancer
28.01 Cancer
28.02 Others

Plant Biology
29.01 Photosynthesis
29.02 Metabolisms
29.03 Plant morphogenesis, cell structure and organelle
29.04 Plant hormones
29.05 Plant-pathogen interactions
29.06 Plant gene expression
29.07 Signal reception and transduction
29.08 Others

Sleep and Clock
30.01 Sleep and Clock
30.02 Others

Enzymes
31.01 Enzyme mechanism
31.02 Oxidoreductases
31.03 Metallo enzymes and heme-oxgenases
31.04 Flavo enzymes
31.05 Pyridoxal enzymes
31.06 Transferases
31.07 Hydrolytic enzymes (hydrolyases)
31.08 Enzyme inhibition
31.09 Nucleic acid metabolism
31.10 Vitamines
31.11 Polyamines
31.12 Inorganic compounds
31.13 Others

Biotechnology
32.01 Protein engineering
32.02 Enzyme engineering
32.03 Genetic engineering
32.04 Cell engineering
32.05 Antibody engineering
32.06 Nano-biotechnology
32.07 Molecular breeding
32.08 Artificial organ
32.09 Others

Agrobiology and Nutraceutical biotechnology
33.01 Agrobiology and nutraceutical biotechnology
33.02 Others

Bioactive Substances from the Natural Environment
34.01 Bioactive substances from natural environment
34.02 Others

Education
35.01 Education
35.02 Others

Biotransformation
36.01 Biotransformation
36.02 Others
Young Scientists’ Program (YSP)

The International Union of Biochemistry and Molecular Biology, Japanese Biochemical Society, and the 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress will sponsor a symposium for young scientists. The symposium will be held at CO-OP Inn Kyoto on the 3 days (June 16-18, 2006) preceding the 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress. This Program will offer extensive opportunities for young scientists from all over the world to share and exchange scientific and professional experience. The program will consist of poster presentations by all participants and keynote lectures by senior scientists. Several posters will be selected for the best poster awards and the participants receiving the awards will have the opportunity to make an oral presentation. There will be a small gathering where all participants can exchange their scientific interests in a relaxed atmosphere.

Young scientists who are senior graduate students, post-doctoral trainees, or in the first few years of employment in the fields of biochemistry and molecular biology are encouraged to apply. All successful applicants will receive:

- a substantial contribution to the cost of traveling to Kyoto
- complimentary accommodation and meals during the Young Scientists’ Program
- free registration for the Congress
- 6 nights accommodation during the Congress (June 18-23)
- free excursion on June 20 (EX-4 Nara)
- invitation to the Opening Ceremony

Successful applicants must present a poster describing their research at the main Congress.

Venue and Accommodation

CO-OP Inn Kyoto
Yaegakobamba St. North of Takozakushi, Nakagyo-ku, Kyoto 604-8113, Japan
Phone: +81-75-256-6600
Fax: +81-75-251-0120
E-mail: coopinn-k@univcoop.or.jp
http://hawk2.kyoto-bauc.or.jp/coop-inn/kyoto/

Application Deadline and Procedures

On-line Application (http://www.congre.co.jp/iubmb/) is now available.

Application Deadline: November 30, 2005

Fellowships

The Japanese Biochemical Society will provide travel fellowships to allow outstanding young scientists from Asian countries to attend the 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress. Detailed information will be announced on the website of the Japanese Biochemical Society: http://www.soc.nii.ac.jp/jbiochem/.

FAOBMB / FAOBMB Travel Fellowships

A limited number of Travel Fellowships will be available. The purpose of the fellowships is to motivate young scientists from constituent member countries of FAOBMB to achieve higher levels of accomplishment. Successful applicants will receive contribution (in part or in full) towards the discount economy air travel costs, accommodation expenses and exemption of the registration fee. The guidelines to apply for the fellowship are as follows:

I. The applicant must be under 40 and should be at early stage of his/her career development and have proven record of academic and intellectual achievement.

II. The applicant should submit the following information to the Fellowship Committee.

1. Brief curriculum vitae, including information on date of birth, sex, current and past affiliation, degrees, awards, research interests, and list of publications.

2. Abstract that has already been accepted by the Organizing Committee of 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress.

3. Evidence of abstract acceptance (e.g. E-mail message from the Committee) should be sent to Prof. Brahmachari when notification has been received.

4. Recommendation letter from two referees. The letters, with

Required Documents:
1) One abstract of the poster for the YSP Symposium and the Congress
2) Brief Curriculum Vitae (not more than one page)
3) List of publications with title and journal references
4) Motivation letter
5) Recommendation letter from the applicant’s PI (Principal Investigator)
Each PI can only recommend one applicant for the YSP. In addition to electronic submission, the recommendation letter with the PI’s signature should be sent by air-mail. Applications will not be processed unless the recommendation letter with the PI’s signature is received.

6) On a separate sheet, indicate (in detail) the level of financial support required, with justification, including travel to Kyoto by APEX/Economy airfare.

The YSP application form, CV, and Motivation letter must be submitted via the web-site. In addition, the recommendation letter with the PI’s signature and the separate sheet indicating the airfare calculation should be sent via air-mail or another courier service.

Applications will be evaluated by a special committee of the organizers and IUBMB. The awardees will be announced in March 2006.

Scientific merit is a prerequisite for selection. To enable young scientists from many countries to participate, some consideration will also be given to nationality, to the locality where the young scientist is currently working, and to gender. Young scientists from developing countries and from all fields of biochemistry and molecular biology are encouraged to apply.

Notice: DO NOT submit an application to the main Congress, so as to avoid duplicate applications. Applications to YSP will be automatically submitted to the main Congress. Participants whose YSP application declined, but wish to submit their abstracts to the main Congress, must pay the registration fee by March 20, 2006. Otherwise, your abstract will be neither included in the program nor the abstract book.

For further information, please contact:
Dr. Toru Nakano
Department of Pathology
Graduate School of Frontier Biosciences/Medical School
Osaka University
Suita 565-0871 Osaka, Japan
E-mail: tnakano@patho.med.osaka-u.ac.jp
Students who wish to obtain a discount by registering in advance must submit proof of their status, such as a photocopy of a valid student ID card or a letter from the dean, department head, or research director, with a signature. After online registration, please send (1) the Registration Form and (2) a letter of proof of student status by FAX or airmail to the secretariat.

For students who plan to register on-site, please provide necessary materials at the registration desk.

Payment
All payments must be made in Japanese yen by credit card or bank transfer. No checks or money orders will be accepted. If you send your registration fee by bank transfer, all bank charges incurred will be borne by the payee, and please ensure that you enter your registration number before your name.

Registration Fees

<table>
<thead>
<tr>
<th>Registration fee type</th>
<th>On or Before May 18, 2006</th>
<th>After May 18, 2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-profit Scientist</td>
<td>20,000 yen</td>
<td>25,000 yen</td>
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<tr>
<td>Scientist from Profit Organization</td>
<td>35,000 yen</td>
<td>40,000 yen</td>
</tr>
<tr>
<td>Student (with valid student ID card)</td>
<td>6,000 yen</td>
<td>7,000 yen</td>
</tr>
<tr>
<td>Accompanying Person</td>
<td>5,000 yen</td>
<td>6,000 yen</td>
</tr>
<tr>
<td>Banquet</td>
<td>8,000 yen</td>
<td>8,000 yen</td>
</tr>
</tbody>
</table>

Students who wish to obtain a discount by registering in advance must submit proof of their status, such as a photocopy of a valid student ID card or a letter from the dean, department head, or research director, with a signature. After online registration, please send (1) the Registration Form and (2) a letter of proof of student status by FAX or airmail to the secretariat. For students who plan to register on-site, please provide necessary materials at the registration desk.

Payment
All payments must be made in Japanese yen by credit card or bank transfer. No checks or money orders will be accepted. If you send your registration fee by bank transfer, all bank charges incurred will be borne by the payee, and please ensure that you enter your registration number before your name.

Registration Entitlement
All registered participants will be entitled to:
- receive congress materials, including a set of official publications
- participate in all Scientific Programs/Exhibition
- attend the Opening Ceremony and Get-together

Entitlement for Accompanying Person
- attend the Opening Ceremony and Get-together
- Accompany Person’s Program (Excursion: June 21; see page 20)

*requiring on-line registration by May 18, 2006

Confirmation and Receipt
Upon receiving your Registration Form and your remittance, the secretariat will send you a receipt with your registration number. Please bring this confirmation with you when you register and pick up your conference materials at the registration desk.

Cancellation Policy
All cancellations must be made in writing and must be received by the secretariat by May 31, 2006. No refunds will be made for cancellations received after May 31, 2006. All refunds will be made after the congress and are subject to a 6,000 yen administration fee.
# Hotel Accommodations & Excursions

**OFFICIAL TRAVEL AGENT**

JTB Corp. and Kinki Nippon Tourist Co. Ltd have been appointed as the official travel agents for the Congress and will handle all related travel arrangements, including hotel accommodations and excursions.

We have reserved hotels in Kyoto during the Congress period. Reservations will be made on a first-come, first-served basis. If there are no vacancies in a hotel you request to stay in, a room in the nearest grade will be reserved. After December 1, 2005, you can see the detailed information about hotels and excursion programs, and you can also apply for hotels and excursions through the Congress web site (http://www.congre.co.jp/rubm/). We have prepared lots of excursion programs besides programs on this paper at the tour desk during the Congress.

**HOTEL ACCOMMODATIONS**

<table>
<thead>
<tr>
<th>Class</th>
<th>Name of Hotel</th>
<th>Room charge (Yen)</th>
<th>Nearest Subway Station</th>
<th>Time required</th>
<th>Internet</th>
<th>MAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Westin Miyako Hotel Kyoto (Deluxe)</td>
<td>29,000* 25,000</td>
<td>Keage Sta. 3min</td>
<td>LAN (Free)</td>
<td>①</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Westin Miyako Hotel Kyoto (Standard)</td>
<td>19,000* 15,000</td>
<td>Keage Sta. 3min</td>
<td>LAN (Free)</td>
<td>②</td>
<td></td>
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<tr>
<td></td>
<td>Kyoto Brighton Hotel</td>
<td>25,000* 23,000</td>
<td>Imadegawa Sta. 10min.</td>
<td>Dial Up (Pay)</td>
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<td></td>
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<tr>
<td></td>
<td>Hotel Princess Kyoto</td>
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<td>Shijo Sta. 5min.</td>
<td>LAN (Free)</td>
<td>④</td>
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<tr>
<td></td>
<td>Hotel Granvia Kyoto</td>
<td>20,000* 17,000</td>
<td>Kyoto Sta. 3min.</td>
<td>LAN (Free)</td>
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<tr>
<td></td>
<td>Kyoto Hotel Okura</td>
<td>22,000* 16,500</td>
<td>Shiyakushimae Sta. 1min.</td>
<td>Dial Up (Pay) or LAN (Free)</td>
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<tr>
<td></td>
<td>Takaragaike Prince Hotel</td>
<td>19,000* 15,000</td>
<td>KICHI 5min. walk</td>
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<td></td>
</tr>
<tr>
<td>B</td>
<td>New Miyako Hotel</td>
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<td>⑦</td>
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<tr>
<td></td>
<td>ANA Hotel Kyoto</td>
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<td>Nijo Sta. 5min.</td>
<td>Dial Up (Pay)</td>
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<tr>
<td></td>
<td>Kyoto Century Hotel</td>
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<td>Kyoto Sta. 3min.</td>
<td>LAN (Free)</td>
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<tr>
<td></td>
<td>Hotel Fujita Kyoto</td>
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<td>Shiyakushimae Sta. 1min.</td>
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<tr>
<td></td>
<td>Kyoto New Hankyu Hotel</td>
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<td>LAN (Pay)</td>
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<tr>
<td></td>
<td>Hotel New Kyoto</td>
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<tr>
<td></td>
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<td>Dial Up (Pay) or LAN (Free)</td>
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<tr>
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<td>Gojo Sta. 10min.</td>
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<tr>
<td>C</td>
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<tr>
<td></td>
<td>Hollyday Inn Kyoto</td>
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<tr>
<td></td>
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<td></td>
<td>Aranvert Hotel Kyoto</td>
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<td>Gojo Sta. 4min.</td>
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<tr>
<td></td>
<td>Kyoto Tower Hotel</td>
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<tr>
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<td>Sanjo Karasuma Hotel</td>
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<td>Dial Up (Pay) or LAN (Free)</td>
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<tr>
<td></td>
<td>Hearton Hotel Kyoto</td>
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<tr>
<td></td>
<td>Hotel Sunroute Kyoto</td>
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<td>LAN (Pay)</td>
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<td></td>
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<tr>
<td>D</td>
<td>Mitsui Garden Hotel Kyoto Shijo</td>
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<td>Dial Up (Pay) or LAN (Free)</td>
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<tr>
<td></td>
<td>Dai-ri Tower Hotel</td>
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<tr>
<td></td>
<td>Kyoto Central Inn</td>
<td>—</td>
<td>Shijo Sta. 10min.</td>
<td>Dial Up (Pay)</td>
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<tr>
<td></td>
<td>Hotel Rich Kyoto</td>
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<tr>
<td></td>
<td>Hotel Alpha Kyoto</td>
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<td>Shiyakushimae Sta.10min.</td>
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<tr>
<td></td>
<td>Mariko Inn Kyoto</td>
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<td>Shijo Sta. 10min.</td>
<td>LAN (Free)</td>
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<tr>
<td></td>
<td>Hotel Gimmond Kyoto</td>
<td>13,000* 7,000</td>
<td>Karasuma Oike Sta. 5min.</td>
<td>LAN (Free)</td>
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<tr>
<td></td>
<td>Kyoto Garden Hotel</td>
<td>12,000* 7,000</td>
<td>Karasuma Oike Sta. 5min.</td>
<td>UNAVAILABLE</td>
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<tr>
<td></td>
<td>Sun Hotel Kyoto</td>
<td>13,000* 7,000</td>
<td>Shiyakushimae Sta. 7min.</td>
<td>LAN (Free)</td>
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<td></td>
<td>APA Hotel Kyoto Ekimae</td>
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<td>Kyoto Sta. 5min.</td>
<td>LAN (Free)</td>
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<tr>
<td></td>
<td>Hotel Oaio Kyoto Shijo</td>
<td>13,000* 7,000</td>
<td>Shijo Sta. 15min.</td>
<td>LAN (Free)</td>
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<tr>
<td></td>
<td>Hotel Hokke Club Kyoto</td>
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<tr>
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<td>APA Hotel Kyoto eki Horikawadori</td>
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<td>Kyoto Sta. 5min.</td>
<td>LAN (Free)</td>
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</tr>
</tbody>
</table>

You also can get information about other accommodation facilities and Youth Hostels such as KKR Kuniou, Heian Kaikan, RUBINO Kyoto Horikawa, Apical Inn Kyoto, Higashiyama Youth Hostel through the homepage of the Congress.
Excursions

Date: Tue. June 20, 2006

**EX-1 World Cultural Heritage**

<table>
<thead>
<tr>
<th>KICH - Nijo Castle - Golden Pavilion - Ryoanji Temple - Hotel</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Time:</strong> 13:30-18:00</td>
</tr>
</tbody>
</table>

Nijo Castle: served as the residence of the Tokugawa Shoguns when they visited Kyoto. The typical style of art of the warrior class which can be observed here, is in clear contrast to that of the Court noble. The castle was built by Ieyasu Tokugawa at the beginning of the 17th century.

After the Meiji Restoration, it became the detached palace of the Imperial Household, but it was given to the city of Kyoto in 1939.

Golden Pavilion: was originally the villa of a Court noble named Kintsune Saionji in the precincts of the present Kinkakuji Temple. The villa was greatly improved by its second owner, Yoshimitsu Ashikaga. He laid out an extensive garden and built a beautiful pavilion toward the end of the 14th century. The pavilion became known as the Golden Pavilion or Kinkaku because of its gorgeous gilding. After the death of Yoshimitsu, the villa was turned into a Buddhist Temple of the Zen sect under the name of Rokuonji. However, the temple is better known by its popular name Kinkakuji or the Temple of the Golden Pavilion.

Ryoanji Temple: was founded by Priest Giten under the patronage of Katsumoto Hosokawa in 1448. Katsumoto Hosokawa was a famous general of the Ashikaga Shogunate and was a pious devotee of Zen Buddhism. The temple suffered a conflagration toward the end of the 18th century, and the present building was reconstructed after the fire. However, its gardens have remained intact, and the temple is especially noted for its five hundred year old rock garden, which contains no trees at all. The garden was constructed around 1450, soon after the founding of the temple. As it contains no plants, it is one of the very few old gardens which can be seen exactly as the designer made them. It is generally believed that the garden is the work of Soami, the most famous garden designer of his day. Some authorities maintain that another man named Zenami was the designer of this garden. It is the supreme example of a flat rock garden, and is the best specimen of the gardens classified as Karesansui or Dry Landscape type.

**EX-2 Higashiyama**

<table>
<thead>
<tr>
<th>KICH - Heian Shrine - Sanjusangendo Hall - Kiyomizu Temple - Hotel</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Time:</strong> 13:30-18:00</td>
</tr>
</tbody>
</table>

Heian Shrine: is the most representative Shinto shrine in Kyoto, and is dedicated to Emperor Kammu, the founder of the Kyoto Capital, and Emperor Komei, the last Emperor of the Kyoto Capital. Heian, which literally means “peace and tranquility”, was the ancient name of Kyoto. Patterned after the Imperial Palace which was built toward the end of the 8th century, the shrine was erected in 1895 in commemoration of Kyoto’s 1100th anniversary. The vermilion structures with their green roofs reflect the influence of Chinese palace architecture of the Tang dynasty, which flourished in the 8th century. The garden at the rear of the shrine is well known for its weeping cherry trees, maple trees, azaleas, irises and waterlilies.

Sanjusangendo Hall: Sanjusangendo literally means the “hall of thirty-three spaces”. It is so called because there are thirty-three spaces between the pillars in front of its extraordinarily long altar. Thirty-three is an important symbolic number in Buddhism, especially associated with the worship of Kannon(Goddess of Mercy). It is preached that Kannon manifests herself in thirty-three different forms to save mankind.Sanjusangendo is a temple with the longest frontage in Japan, measuring about 120m in length.

The present building was reconstructed about the middle of the 13th century, and is regarded as one of the best specimens of architecture of its kind. The temple is also known as the Temple of Thousand Images because of its numerous Buddhist images. As well as the main image, there are one thousand carved wooden images of Kannon on the long altar.

Kiyomizu Temple: is one of the oldest temples in Kyoto, its origin dates back to the 8th century. The temple is noted for the unique style of its architecture. Its main hall stands on a cliff with a wooden platform in front, from which a panoramic view of Kyoto can be enjoyed. Most of the present buildings were reconstructed in 1633, but they reflect the style of the original ones, suggesting the style of residences of the 8th and 9th centuries.
Ginkakuji Temple: Ginkaku-ji (Temple of the Silver Pavilion) is the more common name for Jisho-ji, a temple belonging to the Shokoku School of the Rinzai Zen sect of Buddhism. It was built in 1489 and served as a retirement villa for the shogun Ashikaga Yoshimasa. The garden features white sand waves and two unique sand piles: the Kogetsudai, (Moon Mound) and the Ginsaden (Sea of Silver Sand), which were made to reflect moonlight so as to enhance the appreciation of the garden during moon-lit evenings.

Enryakuji Temple: is located atop Mt. Hiei in a thick grove of Japanese cypress-trees. It was established in 788 by Priest Saicho, better known as Dengyo-Daishi (767-822), founder of the Tendai sect by order of Emperor Kammu. The object of its foundation was to protect the new capital from evil spirits which were supposed to come from the northeast direction.

Kasuga Shrine: consists of four small shrines. The contrasting colors of bright vermilion and the green of the woods in which it nestles present a striking picture. It is famous for the 3,000 antique lanterns made of stone and bronze which align both sides of the street leading to the shrine. The lanterns are lit twice a year, once in February and again in August.

Todaiji Temple: boasts of two of the world's largest manmade constructions. One is the Daibutsu or Great Buddha, the largest bronze statue on earth. So overwhelming is its size - it weighs 450 tons and a thumb alone is 1.6 meters long - that it took four long years and about 437 tons of bronze, a large amount of charcoal, gold, mercury, vegetable wax and other materials to complete the original statue in 749. The other is the Daibutsuden or the Hall of the Great Buddha in which the Daibutsu is enclosed. It is the largest wooden structure made by man.

Kodai-Yuzen-en: The Kyo-Yuzen process, devised about 300 years ago, is a unique technique for dyeing clothes beautifully. Yuzen (printed silk) is representative of typical Japanese Dyeing techniques. You can see the beauty and the excellence of its technique through many displays and demonstrations here.

Nishijin Textile Center: Nishijin-ori which is famous throughout the world has been woven in the Nishijin district of Kyoto since the end of sixteenth century. It uses silk as the raw material and is known as one of the highest grade textiles in Japan. Not only Kimono and Obi but also neckties, dresses, gowns, table cloths, and others are made from the Nishijin-ori. Tour includes a Kimono fashion show, a demonstration of weaving, and displays of Nishijin silk fabrics.

Kyoto Handicraft Center: A place to observe exhibitions and demonstrations of Japanese traditional arts and crafts. Craftsmen may be seen using their traditional skills in damascene, woodblock print-making, cloisonne ware, doll making, brush painting, exquisite weaving and Satsuma painting. The products being made are sold on the premises, along with a large variety of other good quality souvenirs.
Tenryuji Temple: is the headquarter of the Tenryuji school of the Rinzai sect and was founded in 1339 by the first Ashikaga shogun, Takaui, in memory of Emperor Godaigo. The noted Priest Soseki, also known by the name of Muso-Kokushi, was the first superior. The temple was repeatedly ravaged by fire, the present buildings date from 1900. The Main Hall, called Tahoden, located in the center of the grounds, contains a memorial tablet to Emperor Godaigo. In the Lecture Hall to the right of the Main Hall are statues of Sakyamuni, Monju and Fugen. A noted landscape garden designed by Muso-Kokushi is located at the rear of the abbot's quarters.

Myoshinji Temple (Garden of Taizo-in): The garden is a typical example of the stroll garden style, designed by Muso-Kokushi to give the impression that the pond has a geographical connection with the mountain in the background. The entire area of the garden is covered with nearly 40 species of green and yellow mosses, some grown to an unusual thickness and is world-famous for this unique feature seen nowhere else.

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### Night Tours

**Date: Mon. June 19, 2006**

<table>
<thead>
<tr>
<th><strong>NT-1 Kyoto Cuisine</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>KICH - Restaurant Ganko Takasegawa Nijoen - To Hotel By Yourself</td>
<td></td>
</tr>
<tr>
<td>Time: 17:00-20:30    Fee: 5,000 Japanese Yen   Unlimited Drinks: 1,500 Japanese Yen</td>
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</tbody>
</table>

Restaurant Ganko Takasegawa Nijoen: Now operated by the Ganko chain, Nijoen is a large restaurant set in a Meiji-era villa. The location is superb, with the Takase River flowing through the delightful garden. Nijoen is fully licensed and popular with both tourists and business guests. The food is elegantly presented full-course Kyoto cuisine, including raw fish, rice, pickles, fish and vegetable dishes or tofu, all presented with great attention to detail in fine ceramics. Enjoy Japanese Kyoto-style cuisine at typical Japanese Restaurant.

*No transfer from the restaurant back to the hotel.
*This tour will be cancelled if the number of applicants is less than 40 persons.

**Date: Mon. June 19, 2006**

<table>
<thead>
<tr>
<th><strong>NT-2 Kyoto Maiko Night</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>KICH - Restaurant Kacho (Maiko Show&amp; Dinner) - Hotel</td>
<td></td>
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</tbody>
</table>

Restaurant Kacho: Enjoy a magnificent traditional Japanese dance performance of Maiko. Tempura supper, Japanese cuisine has recently become especially popular for its health value.

*This tour will be cancelled if the number of applicants is less than 40 persons.

**Date: Wed. June 21, 2006**

<table>
<thead>
<tr>
<th><strong>NT-3 Kyoto Yudofu cuisine</strong></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>KICH - Restaurant Nanzenji Junsei - Hotel</td>
<td></td>
</tr>
<tr>
<td>Time: 18:00-22:00    Fee: 7,500 Japanese Yen   Unlimited Drinks: 2,000 Japanese Yen</td>
<td></td>
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</tbody>
</table>

Nanzenji Junsei: Junsei is a famous Japanese Tofu restaurant, and has a long history. It is located near the Nanzenji Temple's Mon (Gate), Yudofu (a kind of tofu) is most popular here. Most tourists come to Junsei to taste its famous Yudofu at all times of the year.

*This tour will be cancelled if the number of applicants is less than 40 persons.
## NT-4 Casual Kyoto Dining 1

Assembling at Hanamikouji Street - Restaurant Kurobatei - To Hotel By Yourself  
**Time:** 19:00-22:00  
**Fee:** 3,000 Japanese Yen  

Kurobatei: A Japanese cuisine restaurant located in the Gion Area. You can touch the culture of Kyoto and enjoy Kyoto dishes at a reasonable rate.

Menu:  
Yuba (Dry Bean Curd), Mushroom Dishes, Sashimi (Raw Fish), Seared Beef, Cooked Rice with Fish

*This tour is for up to 24 participants maximum.

## NT-5 Casual Kyoto Dining 2

Assembling at Hanamikouji Street - Restaurant Gion Oishinbo - To Hotel By Yourself  
**Time:** 19:00-21:00  
**Fee:** 3,000 Japanese Yen  

Gion Oishinbo: A restaurant located in the Gion Area. You can touch the culture of Kyoto and enjoy Kyoto dishes in a casual atmosphere.

Menu:  
Appetizer, Obanzai (Kyoto home cooking), Sashimi (Raw Fish), Pot-steamed hotchpotch Cooked Rice with Fish, Pickle, Soup, Dessert

*No transfer from the restaurant back to the hotel.  
*This tour will be cancelled if the number of applicants is less than 2 persons.  
*This tour is for up to 24 participants maximum.

## NT-6 Casual Buffet Plan 1

Assembling at Kyoto Station - Café Renaissance - To Hotel By Yourself  
**Time:** 19:00-21:00  
**Fee:** 3,000 Japanese Yen  

Café Renaissance: The modern, gray-striped Renaissance Building next to Kyoto Station features several restaurants, including a coffee shop, a Chinese restaurant, and a Japanese restaurant. Café Renaissance is a casual restaurant with European patio atmosphere and providing a lively space for you.

*No transfer from the restaurant back to the hotel.  
*This tour will be cancelled if the number of applicants is less than 2 persons.  
*This tour is for up to 100 participants maximum.

## NT-7 Casual Italian Supper Plan 2

Assembling at Kyoto Station - Italian House Gio Giono - To Hotel By Yourself  
**Time:** 19:00-21:00  
**Fee:** 4,000 Japanese Yen  

Italian House Gio Giono: The modern, gray-striped Renaissance Building next to Kyoto Station features several restaurants, including a coffee shop, a Chinese restaurant, and a Japanese restaurant. This supper will be in an informal Italian restaurant on the second floor serving pizza, pasta, and such main dishes as sautéed scallops, tuna with tomato and capers, and grilled veal with vegetables and mozzarella.

*No transfer from the restaurant back to the hotel.  
*This tour will be cancelled if the number of participants for the tour is less than 2 persons.  
*This tour is for up to 100 participants maximum.

## Walking Tour

**Date:** Wed. June 21, 2006  
**Assembly Place:** Keihan Shijo Terminal Station  
Keihan Shijo Terminal Station - Yasaka Jinja Shrine - Kodaiji Temple - Kiyomizu Temple - Sanjusangendo Temple - Kyoto Station  
**Time:** 12:30-17:00  
**Fee:** 3,800 Japanese Yen  

Yasaka Jinja Shrine: The origin of this shrine is not certain. However, the main hall of the shrine is credited with halting a major epidemic in 877 that had spread throughout the capital. This shrine is an extremely popular destination to pray for the prevention of disease and illness. The shrine's
magnificent vermilion gate is an important national cultural asset. The Gion Festival, held here in July, is known as one of Japan's three main festivals.

Kodaiji Temple: Nene, the widow of Toyotomi Hideyoshi, constructed this temple to console her husband's spirit. The garden surrounding Kaisan-do Hall is a designated national historic and famous scenic place. Many personal artworks, etc. that once belonged to Hideyoshi and Nene, are on display at the temple.

Kiyomizu Temple: is one of the oldest temples in Kyoto, its origin dating back to the 8th century. The temple is noted for the unique style of its architecture. Its main hall stands on a cliff with a wooden platform in front, from which a panoramic view of Kyoto can be enjoyed. Most of the present buildings were reconstructed in 1633, but they reflect the style of the original ones, suggesting the style of residences of the 8th and 9th centuries.

Sanjusangendo Hall: Sanjusangendo literally means the "hall of thirty-three spaces". It is so called because there are thirty-three spaces between the pillars in front of its extraordinarily long altar. Thirty-three is an important symbolic number in Buddhism, especially associated with the Kannon (Goddess of Mercy). It is preached that Kannon manifests herself in thirty-three different forms to save mankind. Sanjusangendo is a temple with the longest frontage in Japan, measuring about 120m in length. The present building was reconstructed about the middle of the 13th century, and is regarded as one of the best specimens of architecture of its kind. The temple is also known as the "Temple of Thousand Images" because of its numerous Buddhist images. As well as the main image, there are one thousand carved wooden images of Kannon on the long altar.

*This tour will be cancelled if the number of applicants is less than 30 persons.

Technical Visit Tours

**Date:** Mon. June 19, 2006

**TV-1 KYOCERA & HORIBA LTD.**

KICH - Kyocera Corporation - Horiba Ltd. - Hotel

Time : 13:00-18:00  Fee: 5,000 Japanese Yen

"KYOCERA CORPORATION:
Kyocera is famous for its technical capabilities to manufacture ceramic materials. In this tour, we can visit Kyocera Headquarter Building which is eco-friendly, equipped with photovoltaic power generation system and co-generation power system. Photovoltaic power generation system here consists of 1896 pieces of panels totally attached on the wall and roof. Kyocera Museum on the 1st floor and Kyocera Ceramic Museum on the 2nd floor will be main sightseeing points."

HORIBA LTD.: Visit to System Laboratory of exhaust fume measurement and production of environmental measurement systems.

*This tour will be cancelled if the number of applicants is less than 30 persons.

**TV-2 SHIMADZU Corp. & Kinshi Masamune Museum**

KICH - Shimadzu Corporation - Kinshi Masamune(Japanese Sake) Museum - Hotel

Time : 12:00-17:30  Fee: 5,000 Japanese Yen

SHIMADZU CORPORATION: Shimadzu Corp. has a long history. It manufactures Analytical & Measuring instruments, medical instruments, industrial equipment and aircraft equipment. Mr. Tanaka Koichi of Shimadzu Corp. got the Nobel prize last year. Here, you can know the history of Shimadzu Corp. Kinshi Masamune(Japanese Sake) Museum: A museum of Japanese Sake. Here, you can learn the process to make Japanese Sake. You also can taste sake and other alcohol.

*This tour will be cancelled if the number of applicants is less than 30 persons.
General Information

About Kyoto
The ancient capital of Japan, Kyoto, is nestled among picturesque mountains and placid rivers. Since its establishment as the seat of the imperial court late in the 8th century, the city has prospered as a center of politics, commerce, culture, and the arts. With its innumerable cultural treasures and traditional crafts, Kyoto has continued to attract visitors from both inside Japan and from all over the world. Today it is a modern metropolis with an international flavor, and perhaps nowhere else in Japan can one so easily encounter the past in the midst of an urban culture.

Access to Kyoto
Located on the main Shinkansen (Bullet Train) line, Kyoto is directly accessible from Japan's major International airports. Please see the Congress website (http://www.congre.co.jp/iubmb/) for detailed information.

Climate and Clothing
The temperatures in Kyoto in June typically range between 20°C and 33°C during the day. The weather, however, is often unpredictable during this season, and may be quite humid and rainy.

Currency
Most foreign currencies and traveler's checks can be easily exchanged at banks, hotels, and Kyoto International Conference Hall. A passport may be required for currency exchange services. The approximate exchange rate as of September 1, 2005 was 1 US dollar = ¥110. We recommend that participants purchase traveler's checks in yen or U.S. dollars before leaving their home countries. The secretariat will accept only cash in yen.

Banks
Business hours: Monday to Friday, 9:00 -15:00
(Closed on Saturdays, Sundays and national holidays)
Automatic teller machines (ATMs) are available for withdrawing by credit card everyday (except national holidays) from 9:00 to 19:00 at almost all of the major banks.

Credit Cards
Diners Club, American Express, Visa, and MasterCard are widely accepted at hotels, department stores, shops, and restaurants as well as by major transportation systems.

Electricity
100 volts alternating current at a frequency of 60 Hz.

Health Documents
Health documents are not required for visitors from most western countries, but requirements vary from country to country. Travelers arriving from areas where cholera or yellow fever are endemic require vaccination certificates.

Insurance
The Organizing Committee can accept no responsibility for accidents or damage to the private property of participants. Please make your own arrangements for health insurance and any other necessary insurance.

Passport and Visas
A valid passport is required to enter Japan. In addition, some foreign nationals are required to obtain a visa; please contact the Japanese Consulate or diplomatic mission in your country at least three months before your departure for Japan. For details, please contact your local travel agent or carrier. While taking the necessary steps with our Ministry of Foreign Affairs (http://www.mofa.go.jp/j_info/visit/visa/index.html), please fill out and return the Information Sheet for Visas to the secretariat.

Postal Services
Hotels often provide simple postage services. Post offices are open daily from 9:00 to 17:00 except Saturdays, Sundays and national holidays.

Public Transportation
For general transport, taxis are plentiful and public bus services are convenient. Subways also provide easy access to and from Kyoto Station.

Restaurants
Kyoto is known for its traditional cuisine. There are also many restaurants specializing in Western cuisines.

Shopping
Most shops and department stores are open on Sundays and holidays until early evening, however they normally close on one weekday (usually on Wednesday). Kyoto is a shopper's delight for antiques, pottery, and crafts. Major credit cards are accepted in many places.

Time
Japan Standard Time is 9 hours ahead of UTC (Coordinated Universal Time).
Career Fair for Researchers and Scientists

Many Japanese and overseas companies and organizations, which will be looking for excellent human resources, will operate booths to introduce their company organization and conduct interviews during the conference. Before and during the conference, researchers and scientists will be able to enter their information on a secure internet database. They will be able to search for job opportunities and make any appointments to contact interested companies or organizations participating in the Career Fair.

We will also provide career guidance, recruiting seminars, and consulting services for researchers and scientists.

For additional information, please visit our website at http://www.congre.co.jp/iubmb/.

Scientific Exhibition

Scientific exhibition will be held at the Event Hall and Lobby of the main building of KICH. This will be a great opportunity for you to touch and feel the latest machines, chemical reagents, software, database, services and books which will support your research and study with latest way.

Please visit the exhibition space just next to the posters.

This will be a huge scientific exhibition with hundreds of booths of companies supporting life science research. Detailed information on booth rates and other information will be announced on our website.

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<thead>
<tr>
<th>Inquiries from Japan to:</th>
<th>Inquiries from abroad to:</th>
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<tr>
<td>A &amp; E Planning Co., Ltd. Head office</td>
<td>A &amp; E Planning Co., Ltd. Osaka office</td>
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<td>E-mail:<a href="mailto:iubmb2006-exh@aeplan.co.jp">iubmb2006-exh@aeplan.co.jp</a></td>
<td>E-mail: <a href="mailto:iubmb2006-exh@aeplan.co.jp">iubmb2006-exh@aeplan.co.jp</a></td>
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<tr>
<td>Tel: +81-3-3230-2744</td>
<td>Tel: +81-6-6350-7162</td>
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<tr>
<td>Fax: +81-3-3230-2479</td>
<td>Fax: +81-6-6350-7164</td>
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Important Deadlines

YSP Application: November 30, 2005
Abstract Submission: January 31, 2006
On-line Registration: May 18, 2006

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Abstract Submission and Registration at
http://www.congre.co.jp/iubmb/
What would Florence Nightingale have done?

Whenever we see our mark in her handwriting, this question comes to mind. Florence Nightingale fulfilled her personal aspirations as a nurse caring for soldiers during the Crimean War. Her course of action determined by the needs of the suffering and wounded, she gave each patient her undivided attention, above and beyond the call of duty. From her life work, we can learn the importance of looking at health care from the patient's point of view. Florence Nightingale's efforts exemplify a deep concern for others, a commitment that we at Eisai have dubbed "Human Health Care." We are dedicated to promoting her ideals.

EISAI: The Human Health Care Company
http://www.eisai.co.jp