

# Symposia

## 15 November (PM1)

### IS-1 Regeneration in zoology

Organizers: Yoshihiko Umesono (University of Hyogo, Japan)

Akira Satoh (Okayama University, Japan)

Andras Simon (Karolinska Institute, Sweden)

Speakers: Yoshihiko Umesono (University of Hyogo, Japan)

Jocken Rink (Max Planck Institute, Germany)

Toshinori Hayashi (Tottori University, Japan)

Hajime Ogino (Nagahama Institute of Bio-Science and Technology, Japan)

Dunja Knapp (Center for Regenerative Therapies Dresden, Germany)

Akira Satoh (Okayama University, Japan)

Andras Simon (Karolinska Institute, Sweden)

### IS-2 Enigmatic clocks: non-circadian biological rhythms

Organizers: Hideharu Numata (Kyoto University, Japan)

Kristin Tessmar-Raible (University of Vienna, Austria)

Speakers: Hideharu Numata (Kyoto University, Japan)

David Hazlerigg (UiT The Arctic University of Norway)

Miho Sato-Hashimoto (Gunma University, Japan)

Wolfgang Goymann (Max Planck Institute for Ornithology, Germany).

Yuki Takeuchi (Waseda University, Japan)

Tobias Kaiser (University of Vienna, Austria and Max Planck Institute for  
Evolutionary Biology, Germany)

Charalambos Kyriacou (University of Leicester, UK)

Kristin Tessmar-Raible (University of Vienna, Austria)

### IS-3 Primordial features of the centralized nervous system

Organizers: Shunsuke Yaguchi (University of Tsukuba, JAMBIO, Japan)

Hiroaki Nakano (University of Tsukuba, JAMBIO, Japan)

Robert Burke (University of Victoria, Canada)

Michael Thorndyke (Royal Swedish Academy of Science, Sweden)

Hiroshi Watanabe (OIST, Japan)

Speakers: Hiroaki Nakano (University of Tsukuba, JAMBIO, Japan)  
Fabian Rentzsch (SARS, Norway)  
Hiroshi Watanabe (OIST, Japan)  
Andreas Hejnol (SARS, Norway)  
Robert Burke (University of Victoria, Canada)  
Shunsuke Yaguchi (University of Tsukuba, JAMBIO, Japan)  
Michael Thorndyke (Royal Swedish Academy of Science, Sweden)  
Christopher Lowe (Stanford University, USA)

#### **IS-4 AQUAGAMETE: Reproduction of aquatic animals**

Organizers: Manabu Yoshida (University of Tokyo, Japan)  
Juan F. Asturiano (Polytechnic University of Valencia, Spain)

Speakers: Juan F. Asturiano (Polytechnic University of Valencia, Spain)  
Ákos Horváth (Szent István University, Hungary)  
Martin Psenicka (University of South Bohemia in České Budějovice, Czech Republic)  
Luz Pérez (Polytechnic University of Valencia, Spain)  
Yoko Iwata (AORI, Univ. of Tokyo, Japan)  
Masaya Morita (Univ. of Ryukyus Tropical Biosphere Research Center, Japan)  
Adan Guerrero (Univ. Nacional Autónoma de Mexico, Mexico)  
Shinya Shikina (National Taiwan Ocean University, China Taipei)

#### **IS-5 Asian young zoologists' symposium I. Animal diversity and evolutionary developmental biology**

Organizers: Hiroyuki Takeda (University of Tokyo, Japan)  
Takahiro Asami (Shinshu University, Japan)

Speakers: Xianbo Zhang (Southwest University, China Beijing)  
Dhriti Nagar (Indian Institute of Science Education and Research, India)  
Warut Siriwut (Chulalongkorn University, Thailand)  
Nguyen Duc Anh (Institute of Ecology and Biological Resources, Vietnam)  
Chirasak Sutcharit (Chulalongkorn University, Thailand)  
Patchara Danaisawadi (Chulalongkorn University, Thailand)  
Amporn Wiwegweaw (Chulalongkorn University, Thailand)  
Nontivich Tandavanitj (Chulalongkorn University, Thailand)

## **15 November (PM2)**

### **IS-6 Deciphering of neuronal evolution in modern era: Integrative and functional genomics of brains and neural circuits**

Organizers: Masa-aki Yoshida (Shimane University, Japan)  
Tadashi Nomura (Kyoto Prefectural University of Medicine, Japan)  
Leonid L. Moroz (University of Florida, USA)

Speakers: Leonid L. Moroz (University of Florida, USA)  
Masa-aki Yoshida (Shimane University, Japan)  
Takeo Horie (University of Tsukuba, Japan)  
Takehiro Kusakabe (Konan University, Japan)  
Yasunori Murakami (Ehime University, Japan)  
Tadashi Nomura (Kyoto Prefectural University of Medicine, Japan)  
Takushi Kishida (Kyoto University, Japan)

### **IS-7 Sensory systems and circadian rhythms**

Organizers: Tomoko Yoshikawa (Kindai University, Japan)  
Astushi Nakamura (University of Electro-Communications, Japan)

Speakers: Toshiyuki Okano (Waseda University, Japan)  
Masayuki Iigo (Utsunomiya University, Japan)  
Shintaro Tanoue (Hiroshima University, Japan)  
Taishi Yoshii (Okayama University, Japan)  
Ethan D Buhr (University of Washington, USA)  
Kei Nagashima (Waseda University, Japan)  
Michael Menaker (University of Virginia, USA)

### **IS-8 Mechanical regulation of morphogenetic processes in diversified animals**

Organizers: Erina Kuranaga (RIKEN CDB, Japan)  
Gaku Kumano (Tohoku University, Japan)

Speakers: Gaku Kumano (Tohoku University, Japan)  
Jonathan Henry (University of Illinois, USA)  
Hidehiko Hashimoto (University of Chicago, USA)  
Masatoshi Nishikawa (Technical University Dresden, Germany)  
Erina Kuranaga (RIKEN CDB, Tohoku University, Japan)  
Shizue Ohsawa (Kyoto University, Japan)

Makoto Suzuki (National Institute for Basic Biology, Japan)

**IS-9 Cilia: their coordination in motility, morphogenesis and eukaryotic evolution**

Organizers: Kazuo Inaba (University of Tsukuba, Japan)

Tsuyoshi Momose (CNRS, France)

Speakers: Steve M King (University of Connecticut Health Center, USA)

Noriko Ueki (Tokyo Institute of Technology, Japan)

Yoshiaki Iwadate (Yamaguchi University, Japan)

Kogiku Shiba (University of Tsukuba, Japan)

Hermes Godelha (University of York, UK)

Hiroshi Suga (Prefectural University of Hiroshima, Japan)

Tsuyoshi Momose (CNRS, France)

Hiroshi Yamaguchi (University of Tokyo, Japan)

**IS-10 Insect adaptations: Current trends** (Committee organizing symposium)

Organizers: Haruhiko Fujiwara (University of Tokyo, Japan)

Speakers: Bok Luel Lee (Pusan National University, Korea)

Richard Cornette (National Agriculture and Food Research Organization, Japan)

Yan-Yuan Bao (Zhejiang University, China Beijing)

Kentaro Arikawa (Graduate University for Advanced Studies, Japan)

Takema Fukatsu (National Institute of Advanced Industrial Science and Technology,  
Japan)

Toru Miura (Hokkaido University, Japan)

Haruhiko Fujiwara (University of Tokyo, Japan)

## **16 November (PM1)**

### **IS-11 Reproductive strategy ~asexual vs. sexual~**

Organizers: Midori Matsumoto (Keio University, Japan)

Kazuya Kobayashi (Hirosaki University, Japan)

Speakers: David Mark Welch (MBL, USA)

Atsuchi C. Suzuki (Keio University, Japan)

Hajime Watanabe (Osaka University, Japan)

Kazuya Kobayashi (Hirosaki University, Japan)

Chikako Yoshida-Noro (Nihon University, Japan)

Takeshi Sunanaga (Kochi University Japan)

Aziz Aboobaker (Oxford University, UK)

### **IS-12 Regulation of reproduction and reproductive behavior by GnIH and kisspeptin**

Organizers: Shinji Kanda (University of Tokyo, Japan)

Takashi Kitahashi (Niigata University, Japan)

Takayoshi Ubuka (Monash University Malaysia)

Speakers: Lance J. Kriegsfeld (University of California Berkeley, USA)

You Lee Son (Waseda University, Japan)

Yasuko Tobaru (Azabu University, Japan)

Hironori Ando (Niigata University, Japan)

Yoshihiro Wakabayashi (National Institute of Agrobiological Sciences, Japan)

Shinji Kanda (University of Tokyo, Japan)

Takashi Kitahashi (Niigata University, Japan)

Olivier Kah (Université de Rennes 1, France)

### **IS-13 Of flies and bees: comparative neuroethology from sensory perception to social behavior in two model species**

Organizers: Taketoshi Kiya (Kanazawa University, Japan)

Axel Brockmann (NCBS, India)

Speakers: Axel Brockmann (NCBS, India)

Teiichi Tanimura (Kyushu University, Japan)

Hiroyuki Ai (Fukuoka University, Japan)

Azusa Kamikouchi (Nagoya University, Japan)

Taketoshi Kiya (Kanazawa University, Japan)

Kenta Asahina (Salk Institute, USA)

Martin Giurfa (CNRS - Université Paul Sabatier, France)

**IS-14 Morphological evolution of vertebrates**

Organizers: Rie Kusakabe (RIKEN, Japan)

Mikiko Tanaka (Tokyo Institute of Technology, Japan)

Speakers: Yuuta Moriyama (Institute of Science and Technology Austria)

Atsuko Shimada (University of Tokyo, Japan)

Rie Kusakabe (RIKEN, Japan)

Frederic Relaix (INSERM, France)

Susanne Dietrich (University of Portsmouth, UK)

Ann C. Burke (Wesleyan University, USA)

Mikiko Tanaka (Tokyo Institute of Technology, Japan)

Anthony Graham (King's College London, UK)

## **16 November (PM2)**

### **IS-15 Sex determination and differentiation -Mechanism ensuring sexually biphasic status-**

Organizers: Gen Yamada (Wakayama Medical University, Japan)

Blanche Capel (Duke University, USA)

Minoru Tanaka (Nagoya University, Japan)

Speakers: Blanche Capel (Duke University USA)

Kiyoshi Kikuchi (University of Tokyo, Japan)

Masaru Nakamura (Okinawa Churashima Foundation, Japan)

Yoshiakira Kanai (University of Tokyo, Japan)

Minoru Tanaka (Nagoya University, Japan)

### **IS-16 Asian young zoologists' symposium II. Physiology and endocrinology**

Organizers: Hironori Ando (Niigata University, Japan)

Kenji Tomioka (Okayama University, Japan)

Speakers: Jia-Hsin Huang (Cornell University, USA)

Nisha N. Kannan (Indian Institute of Science Education and Research, India)

Somayeh Rahimi Kaldeh (University of Tehran Karaj, Iran)

Eunjoo Cho (Ajou University School of Medicine, Korea)

Billy K.C. Chow (University of Hong Kong, China Beijing)

Xiaochun Liu (Sun Yat-sen University, China, Beijing)

Md. Shahjahan (Bangladesh Agricultural University, Bangladesh)

Yung-Che Tseng (National Taiwan Normal University, China Taipei)

### **IS-17 Evolution of animal ornamentation**

Organizers: Yasukazu Okada (University of Tokyo, Japan)

Devin O'Brian (University of Montana, USA)

Speakers: Douglas Emlen (University of Montana, USA)

Devin O'Brian (University of Montana, USA)

Ayumu Kudo (University of Tokyo, Japan)

Chrissie Painting (University of Auckland, New Zealand)

Yasukazu Okada (University of Tokyo, Japan)

Teiya Kijimoto (West Virginia University, USA)

Hiroki Gotoh (Nagoya University, Japan)

**IS-18 Biological consequences of global change (BCGC) (ISZS)**

Organizers: Zhibin Zhang (Institute of Zoology, CAS, China Beijing)

Nils Christian Stenseth (Centre for Ecological and Evolutionary Synthesis,  
University of Oslo, Norway)

Speakers: Yvon Le Maho (Institut Pluridisciplinaire Hubert Curien CNRS-Université de  
Strasbourg 23, rue Becquerel, France)

Yiming Li (Institute of Zoology, CAS, China, Beijing)

Jacob Jens (Julius Kühn-Institut, Germany)

Fumin Lei (Institute of Zoology, CAS, China, Beijing)

**16 November (evening)**

**IS-18 (continued) Biological consequences of global change (BCGC) (ISZS)**

Organizers: Zhibin Zhang (Institute of Zoology, CAS, China Beijing)

Nils Christian Stenseth (Centre for Ecological and Evolutionary Synthesis,  
University of Oslo, Norway)

Speakers: Alain Roques (INRA- Zoologie Forestiere Centre de echerche d'Orléans, France)

Hongxuan He (Institute of Zoology, CAS, China Beijing)

Dgebuadze Yury Yu (A.N. Severtsov Institute of Ecology and Evolution, RAS,  
Russia)

Xinhai Li (Institute of Zoology, CAS, China Beijing)

Anoop Das (Department of Zoology, M.E.S Mampad College, India)

Xinru Wan (Institute of Zoology, CAS, China Beijing)

Eric Isáí Ameca y Juárez (University of Veracruz, Mexico)



## **18 November (PM1)**

### **IS-19 Evolution of cyclostomes and chondrichthyans: Molecular approaches**

Organizers: Shigehiro Kuraku (RIKEN, Japan)

Speakers: Shigehiro Kuraku (RIKEN, Japan)

Yusuke Kuwata (Toho University, Japan)

Toshio Sekiguchi (Kanazawa University, Japan)

Federico G. Hoffman (Mississippi State University, USA)

Ryo Nozu (Okinawa Churashima Research Center, Japan)

Gavin Naylor (Hollings Marine Laboratories, USA)

### **IS-20 What do we know about animals living in the sand interstices?**

Organizers: Hiroshi Kajihara (Hokkaido University, Japan)

Jon L. Norenburg (Smithsonian Institution, USA)

Speakers: Hiroshi Yamasaki (Museum für Naturkunde, Germany)

Hayato Tanaka (Hiroshima University, Japan)

Jon L. Norenburg (Smithsonian Institution, USA)

Shinta Fujimoto (Tohoku University, Japan)

Martin V. Sørensen (University of Copenhagen, Denmark)

### **IS-21 Learning from sensory molecules: Impact on physiology and evolution**

Organizers: Mitsumasa Koyanagi (Osaka City University, Japan)

Shigeru Saito (National Institute for Physiological Sciences, Japan)

Speakers: Shozo Yokoyama (Emory University, USA)

Mitsumasa Koyanagi (Osaka City University, Japan)

Sviatoslav Bagriantsev (Yale University, USA)

Shigeru Saito (National Institute for Physiological Sciences, Japan)

Shinichi Miyagawa (Wakayama Medical University, Japan)

Masato Nikaido (Tokyo Institute of Technology, Japan)

Hiroo Imai (Kyoto University, Japan)

### **IS-22 Evolvability and constraint in animal evolution**

Organizers: Naoki A Irie (University of Tokyo, Japan)

Takao K Suzuki (Institute of Agrobiological Sciences, NARO, Japan)

Speakers: Kinya G. Ota (Academia Sinica, China Taipei)

Richard A Schneider (UCSF, USA)

Takao K Suzuki (Institute of Agrobiological Sciences, NARO, Japan)  
John Wang (Academia Sinica, China Taipei)  
Koichi Fujimoto (Osaka University, Japan)  
Frietson Galis (Naturalis Biodiversity Center, Netherlands)  
Naoki A. Irie (University of Tokyo, Japan)

**IS-23 Physiological responses to global (or climate) change: patterns and process (ISZS)**

Organizers: Dehua Wang (Institute of Zoology, CAS, China Beijing)

William Karasov (University of Wisconsin, USA)

Speakers: William Karasov (University of Wisconsin, USA)

Noga Kronfeld –Schor (Tel Aviv University, Israel)

Weiguo Du (Institute of Zoology, CAS, China Beijing)

Nina Vasilyeva (A.N.Severtzov Institute of Ecology & Evolution, RAS, Russia)

Dehua Wang (Institute of Zoology, CAS, China Beijing)

Shijian Fu (Chongqing Normal University, China Beijing)

John R Speakman (University of Aberdeen, UK)

Xueying Zhang (Institute of Zoology, CAS, China Beijing)

## **18 November (PM2)**

### **IS-24 Diverse adaptation strategies of animals: recent progress in homeostasis biology**

Organizers: Hiroyuki Kaiya (National Cerebral and Cardiovascular Center, Japan)

Suraj Unniappan (University of Saskatchewan, Canada)

Susumu Hyodo (University of Tokyo, Japan)

Speakers: Suraj Unniappan (University of Saskatchewan, Canada)

Tetsuya Tachibana (Ehime University, Japan)

Kanta Mizusawa (Kitasato University, Japan)

Shinji Nagata (University of Tokyo, Japan)

Yoko Yamaguchi (University of Hawaii, USA)

Norifumi Konno (University of Toyama, Japan)

Pung-Pung Hwang (Academia Sinica, China Taipei)

### **IS-25 Delving into overlooked zoology**

Organizers: Yuzo Ota (San'in Kaigan Geopark Museum of the Earth and Sea, Japan)

Masanori Okanishi (Ibaraki University)

Mark J. Grygier (Lake Biwa Museum, Japan)

Speakers: Masanori Okanishi (Ibaraki University, Japan)

Ryuta Yoshida (University of the Ryukyus, Japan)

Yuichi Kameda (National Museum of Nature and Science, Japan)

Takafumi Nakano (Hiroshima University, Japan)

Yuta Shiino (Niigata University, Japan)

Masaatsu Tanaka (Toho University, Japan)

Alejandro Martínez García (Italian National Council of Research, Italy)

### **IS-26 Molecular mechanism of diapause in Arthropods**

Organizers: Hiromichi Nagasawa (University of Tokyo, Japan)

Weijun Yang (Zhejiang University, China Beijing)

Esther Lubzens (Technion, Israel)

Speakers: Toshinobu Yaginuma (Nagoya University, Japan)

Kyeong-Yeoll Lee (Kyungpook National University, Republic of Korea)

Sakiko Shiga (Osaka University, Japan)

Takahiro Kikawada (National Institute of Agricultural Sciences, Japan)

Thomas H. MacRae (Dalhousie University, Canada)

Weijun Yang (Zhejiang University, China Beijing)

Hiromichi Nagasawa (University of Tokyo, Japan)

Esther Lubzens (Technion, Israel)

**IS-27 Non-conventional animal models surfing the new waves of cutting-edge technologies**

Organizers: Hayato Yokoi (Tohoku University, Japan)

Atsuo Iida (Kyoto University, Japan)

Cristian Cañestro (University of Barcelona, Spain)

Speakers: Hayato Yokoi (Tohoku University, Japan)

Mari Kawaguchi (Sophia University, Japan)

Atsuo Iida (Kyoto University, Japan)

Yuichi Oba (Chubu University, Japan)

Cristian Cañestro (University of Barcelona, Spain)

Asano Ishikawa (National Institute of Genetics, Japan)

Yukiko Ogino (Kyushu University, Japan)

M. Emília Santos (Institut de Génomique Fonctionnelle de Lyon, France)

**IS-28 Plant-animal interaction (ISZS)**

Organizers: Marcel Holyoak (University of California, USA)

Hongmao Zhang (Huagzhong Normal University, China Beijing)

Speakers: Michael Steele, (Wilkes University, USA)

Vander Wall (Nevada University, USA)

Youbing Zhou (Institute of Botany, CAS, China Beijing)

Takuya Shimada (Forestry & Forest Products Research Institute, Japan)

Bo Wang (Xishuangbanna Botanical Garden, CAS, China Beijing)

Hongmao Zhang (Huagzhong Normal University, China Beijing)

Xianfeng Yi (Jiangxi University, China Beijing)

Sarita Maree (University of Pretoria, South Africa)

## **Satellite workshop**

### **16 November (evening)**

#### **IS-s1 Exhibition and general discussion about ornamented animals**

Organizers: Yasukazu Okada (University of Tokyo, Japan)

Devin O'Brian (University of Montana, USA)

Speakers: Wataru Kojima (National Taiwan Normal University, China Taipei)

#### **IS-s2 Morphological evolution of vertebrates - new concepts from molecular insights**

Organizers: Rie Kusakabe (RIKEN, Japan)

Mikiko Tanaka (Tokyo Institute of Technology, Japan)

Speakers: Ann C. Burke (Wesleyan University, USA)

Susanne Dietrich (University of Portsmouth, UK)

Shigeru Kuratani (RIKEN, Japan)

Anthony Graham (King's College London, UK)

#### **IS-s3 Reproductive strategy & sex determination: Joint workshop**

Organizers: Midori Matsumoto (Keio University, Japan)

Gen Yamada (Wakayama Medical University, Japan)

Speakers: Yasuhiko Kato (Osaka University, Japan)

Hanae Nodono (Kagoshima University, Japan)

Aziz Aboobaker (Oxford University, UK)

Kataaki Okubo (University of Tokyo, Japan)

Gen Yamada (Wakayama Medical University, Japan)

David Zarkower (University of Minnesota, USA)