

Programat Glance

March 18, 2014 Tuesday	Registration at NTOU 13:00-18:00 Group Photo 16:20-16:25 Opening Ceremony and Opening Address 16:30-16:50 Keynote Lecture : a special session dedicated to the memory of Emeritus Pofessor Hideshi Kobayashil 16:50-17:40 Campus tour 17:50-18:30 Dinner (NTOU, Keelung) 18:30-20:00
March 19, 2014 Wednesday	Registration at NTOU 0830-17:00 Keynote Lecture, Symposium Lecture and Oral Presentation 09:00-18:15 Lunch, The next generation lunch (12:05-13:10) 12:05-13:10 Dinner (988 restaurant, Keelung) 18:30-20:00
March 20, 2014 Thursday	Registration at NTOU 0830-17:00 Keynote Lecture, Symposium Lecture and Oral Presentation 09:00-17:25 Poster Presentation 17:25-18:10 Dinner (水園會館Le Jardin restaurant, Keelung) 18:30-20:00
March 21, 2014 Friday	Registration at NTOU 08:30-14:00 Keynote Lecture, Symposium Lecture and Oral Presentation 09:00-14:25 Lunch, Council meeting (12:10-13:30), Poster Presentation (12:40-13:40) 12:05-13:40 Free Tour 1. 海科館National Museum of Marine Science and Technology , Keelung 2. 九份Jiufen, Taipei 14:30-18:00 Dinner (Evergreen Laurel Hotel, Keelung) and Performance 18:30-20:30
March 22, 2014 Saturday	Registration 0830-12:00 Keynote Lecture, Symposium Lecture and Oral Presentation 09:00-12:15 Closing Ceremony and Closing Address 12:15-12:25 Lunch and Free Tour (和平島公園Peace Island Geopark , Keelung) 13:00-15:00 Free Tour (野柳地質公園Yehliu Geopark, Taipei) 16:00-18:00 Dinner (基隆廟口夜市Keelung Night Market, Keelung) 18:30-20:00
March 23, 2014 Sunday	Optional Tour or Departure 08:00-20:00
March 24, 2014 Monday	Departure

Program Schedule

DAY1 March 18, 2014 (Tuesday)

Time	Program	Venue
1300-1630	Registration	Exhibition Room
1620-1625	Group Photo	
1630-1650	Opening Ceremony Chairman: Ching-Fong Chang (Taiwan) Opening Address: Kazuyoshi Tsutsui (Japan)	Conference Hall of PI
1650-1740	Chairman: Kyungjin Kim (Korea) Keynote Lecture-1 P.1 Yoshio Takei (Japan) What we learned from Dr. Kobayashi, the Founder of Comparative Endocrinology in Japan (Dedicated to the memory of Emeritus Professor Hideshi Kobayashi).	Conference Hall of PI
1750-1830	Campus tour (Fountain, NTOU History Museum, Ocean Center)	
1830-2000	Dinner and Welcome reception (NTOU, Keelung)	

DAY2 March 19, 2014 (Wednesday)

Time	Program	Venue
0830-0900	Registration	Exhibition Room
0900-0945	Chairman: Bronwyn McAllan (Australia) Keynote Lecture-2 P.2 Bon-chu Chung (Taiwan) Function and regulation of steroids in vertebrates.	1F Auditorium
	Symposia- Molecular Endocrinology	Symposia- Neuroendocrinology
0945-1015	Chairman: Olivier Kah (France) Symposium Lecture-1 P.11 Sylvie Dufour (France) Impact of whole genome duplications on vertebrate neuroendocrine systems with special focus on teleosts.	Chairman: Young-Joon Kim (Korea) Symposium Lecture-2 P.12 Anderson On Lam Wong (China) Novel pituitary actions of TAC3 gene products in fish model.
1015-1045	Symposium Lecture-3 P.13 Wei Hu (China) Transgenic Fish and its Reproductive Containment Strategies.	Symposium Lecture-4 P.14 Akiyoshi Takahashi (Japan) Pleiotropic functions of proopiomelanocortin in fish.
1045-1105	Coffee Break	Exhibition Room
	Symposia- Molecular Endocrinology	Symposia- Neuroendocrinology
1105-1125	Chairman: Bronwyn McAllan (Australia) Oral Presentation-1 P.45 Hee-Dae Kim (Korea) Epigenetic modulation of rhythmic GnRH gene transcription by dynamic histone modifications.	Chairman: Takeshi Miura (Japan) Oral Presentation-2 P.46 Hui-Min Su (Taiwan) Exposure to a maternal n-3 fatty acid-deficient diet during the brain development enhance the activity and dysregulation of hypothalamic-pituitary-adrenal axis responses to stress in rat offspring later in life.
1125-1145	Oral Presentation-3 P.47 Sung Kook Chun (Korea) Identification of small molecule Cryptochrome inhibitor modulating the molecular circadian clock.	Oral Presentation-4 P.48 Sayaka Maehiro (Japan) Identification of a novel transglutaminase gene that is differentially expressed between the sexes in the medaka brain.

1145-1205	Oral Presentation-5 P.49 Solmi Cheon (Korea) Glucocorticoid-mediated Period2 induction delays the phase of circadian rhythm.	Oral Presentation-6 P.50 Adimoolam Aruna (Taiwan) Involvement of corticotropin-releasing hormone and corticosteroid receptors in the brain-pituitary of tilapia during chronic and acute salinity stress.	1F / 2F Auditorium
1205-1310	Lunch; The next generation lunch (3F Meeting Room) organized by Guan-Chung Wu (Taiwan)		
1310-1355	Chairman: Sylvie Dufour (France) Keynote Lecture-3 P.3 Ishwar Parhar (Malaysia): Functional significance of kisspeptins in fish.		1F Auditorium
	Symposia- Evolutionary and Developmental Endocrinology	Symposia- Neuroendocrinology	
1355-1425	Chairman: Ritsuko Ohtani-Kaneko (Japan) Symposium Lecture-5 P.15 Olivier Kah (France) Aromatase in the brain of fish: expression, regulation and potential functions.	Chairman: Jae Young Seong (Korea) Symposium Lecture-6 P.16 Satoshi Ogawa (Malaysia) Role of tachykinins and tachykinin receptors in fish reproduction.	1F / 2F Auditorium
1425-1455	Symposium Lecture-7 P.17 Guan-Chung Wu (Taiwan) Tug-of-war of gonadal soma transdifferentiation in the hermaphroditic fish.	Symposium Lecture-8 P.18 Hae Chul Park (Korea) Regulation of oligodendrocyte development by Hedgehog signaling in the zebrafish CNS.	1F / 2F Auditorium
1455-1515	Chairman: Honoo Satake (Japan) Oral Presentation-7 P.51 Jyoti Kamal Hazarika (India) Histomorphological study on the development of thymus of <i>Oryctolagus cuniculus</i> .	Chairman: Keerikkattil Paily Joy (India) Oral Presentation-8 P.52 Sugiyono (Japan) Effect of cadmium on dopaminergic and serotonergic neurons and involvement of estrogen signaling pathway during early development of zebrafish.	1F / 2F Auditorium
1515-1535	Oral Presentation-9 P.53 Chieh Jhen Chen (Taiwan) Characterization of Dmrt gene family in a scleractinian coral, <i>Euhyllia ancora</i> .	Oral Presentation-10 P.54 Shan-Ru Jeng (Taiwan) Neuroendocrine gene expression levels at different ovarian developmental stages in wild Japanese eel.	1F / 2F Auditorium
1535-1555	Coffee Break		Exhibition Room

	Symposia- Endocrinology of Stem Cell Biology	Symposia- Neuropeptides and Receptors	
	Chairman: Bon-chu Chung (Taiwan)	Chairman: Akiyoshi Takahashi (Japan)	
1555-1625	Symposium Lecture-9 P.19 Woong Sun (Korea) Migration and differentiation of neural progenitors following brain injury in mice.	Symposium Lecture-10 P.20 Jae Young Seong (Korea) Evolutionary genomics for identification of novel neuropeptides and their receptors.	1F / 2F Auditorium
1625-1655	Symposium Lecture-11 P.21 Hong-Yo Kang (Taiwan) Androgen receptor regulates stemness and differentiation of stem cells.	Symposium Lecture-12 P.22 Billy KC Chow (China) Transmembrane peptides as unique tools to demonstrate the in vivo action of GPCR hetero-complex of secretin and angiotensin.	1F / 2F Auditorium
	Chairman: Hans Uwe Dhams (Korea)	Chairman: Hae Chul Park (Korea)	
1655-1715	Oral Presentation-11 P.55 Partha Roy (India) A novel pterostilbene derivative suppresses prostate cancer cell growth irrespective of androgen receptor status.	Oral Presentation-12 P.56 Jenn-Kan Lu (Taiwan) Molecular cloning and characterization of feeding regulator-NPY and NPF genes and its applications in attractant development for finfish and crustacean.	1F / 2F Auditorium
1715-1735	Oral Presentation-13 P.57 Tomoyuki Okutsu (Japan) Development of a DNA microarray and its application to the elucidation of gene transcription dynamics in ovary fragments of <i>Litopenaeus vannamei</i> incubated with sinus gland extract.	Oral Presentation-14 P.58 Jong-IK Hwang (Korea) A novel glucagon-related peptide (GCRP) and its receptor GCRPR account for coevolution of their family members in vertebrates.	1F / 2F Auditorium
1735-1755	Oral Presentation-15 P.59 Yufeng Si (China) Genetic polymorphisms and DNA methylation in exons CpG rich regions of PACAP gene and its effect on mRNA expression and growth traits in Half smooth tongue sole (<i>Cynoglossus semilaevis</i>).	Oral Presentation-16 P.60 Ganesan Nagarajana (Taiwan) Effects of neuropeptide, neurosteroidogenic enzymes and estrogen receptors in the early brain of protogynous fish: an <i>in vivo</i> approach.	1F / 2F Auditorium
1755-1815	Oral Presentation-17 P.61 Ching-Hua Hu (Taiwan) Endocrine disruptor TCDD induces zebrafish CYP3A65 transcription via AHR2-dependent pathway.	Oral Presentation-18 P.62 Ratu Fatimah (Japan) Suppression of aromatase by fadrozole and morpholino antisense oligonucleotide alters activity of dopaminergic neuron in early development of zebrafish.	1F / 2F Auditorium
1830-2000	Dinner (988 restaurant, Keelung)		

DAY3 March 20, 2014 (Thursday)

Time	Program	Venue
0830-0900	Registration	Exhibition Room
0900-0945	Chairman: Olivier Kah (France) Keynote Lecture-4 P.4 Yoshitaka Nagahama (Japan) Regulation of ovarian development and oocyte maturation in fish.	1F Auditorium
	Symposia- Reproductive Endocrinology	Symposia- Brain and Behavioral Endocrinology
0945-1015	Chairman: Ishwar Parhar (Malaysia) Symposium Lecture-13 P.23 Kiyoshi Soyano (Japan) Pheromonal control of final oocyte maturation and lunar-related spawning in grouper.	Chairman: Kouhei Matsuda (Japan) Symposium Lecture-14 P.24 John Donad (Australia) Appetite regulation in desert-adapted spinifex hopping mice during water deprivation.
1015-1045	Symposium Lecture-15 P.25 Masatoshi Mita (Japan) Regulatory contribution of Gs-proteins to 1-methyladenine production in starfish ovarian follicle cells stimulated by relaxin-like gonad-stimulating substance.	Symposium Lecture-16 P.26 M.C. Subhash Peter (India) Serotonin and melatonin mitigate the stress response and promote the ease response in air-breathing fish.
1045-1105	Coffee Break	Exhibition Room
	Symposia- Reproductive Endocrinology	Symposia- Growth and Metabolism
1105-1125	Chairman: Sylvie Dufour (France) Oral Presentation-19 P.63 Muhammad Ahya Rafiuddin (Indonesia) Manipulation expression FSH (Follicle Stimulating Hormone) from striped catfish (<i>Pangasianodon hypophthalmus</i>) with hormonal manipulation during gonadal early development.	Chairman: John Donad (Australia) Oral Presentation-20 P.64 Donlaporn Kittivanichkul (Thailand) Changes in bone mineral density and content in pre-, peri- and post-menopausal cynomolgus monkeys.
1125-1145	Oral Presentation-21 P.65 Chiemi Miura (Japan) Controlled feeding inhibits growth reduction associated with spawning in farmed yellowtail.	Oral Presentation-22 P.66 YeLin Jiang (China) Integrated ecological impact of the equipment on the soft-shelled turtle breeding environment and growth and metabolism.

1145-1205	<p>Oral Presentation-23 P.67 En-Lieng Lau (Taiwan) Conserved sex-specific timing of meiotic initiation during sex differentiation in the protandrous black porgy <i>Acanthopagrus schlegelii</i>.</p>	<p>Oral Presentation-24 P.68 Hong-Yi Gong (Taiwan) Muscle-specific expression of giant grouper growth hormone in transgenic zebrafish leads to muscle hypertrophy and hyperplasia.</p>	1F / 2F Auditorium
1205-1300	Lunch		
1300-1345	<p>Chairman: Keerikkattil Paily Joy (India) Keynote Lecture-6 P.6 Kyungjin Kim (Korea) BioClock Timing System: Impact of circadian clock molecule, Rev-erb alpha on mood regulation by dopamine.</p>		1F Auditorium
	Symposia- Reproductive Endocrinology	Symposia- Brain and Behavioral Endocrinology Growth and Metabolism	
1345-1415	<p>Chairman: Wei Ge (China) Symposium Lecture-17 P.27 Takeshi Miura (Japan) Control mechanisms of meiotic during spermatogenesis in Japanese eel (<i>Anguilla japonica</i>).</p>	<p>Chairman: M.C. Subhash Peter (India) Symposium Lecture-18 P.28 Kouhei Matsuda (Japan) Orexin A induces anxiety-like behavior in goldfish.</p>	1F / 2F Auditorium
1415-1445	<p>Symposium Lecture-19 P.29 Deshou Wang (China) Roles of sex steroids on sex determination and maintenance in teleosts.</p>	<p>Symposium Lecture-20 P.30 Takashi Yada (Japan) Ghrelin and food acquisition in japanese eel.</p>	1F / 2F Auditorium
1445-1505	<p>Chairman: Jae Young Seong (Korea) Oral Presentation-25 P.69 Sherly Tomy (India) Identification of interacting partners of gonad-inhibiting hormone of <i>Penaeus monodon</i> by yeast two-hybrid analyses.</p>	<p>Chairman: Chi-Ying Lee (Taiwan) Oral Presentation-26 P.70 Yong Zhang (China) Molecular cloning of four MRFs (MyoD、Myf5、MRF4、Myogenin) and their expression patterns during fasting and refeeding in orange-spotted grouper, <i>Epinephelus coioides</i>.</p>	1F / 2F Auditorium
1505-1525	<p>Oral Presentation-27 P.71 Wanshu Hong (China) The role of melatonin in synchronizing semilunar spawning rhythm of the mudskipper <i>Boleophthalmus pectinirostris</i>.</p>	<p>Oral Presentation-28 P.72 Chika Nishitani (Japan) Restoration of lung degeneration by pueraria mirifica plant.</p>	1F / 2F Auditorium
1525-1545	Coffee break		
			Exhibition Room

	Symposia- Reproductive Endocrinology	Symposia- Growth and Metabolism Endocrinology	
	Chairman: Deshou Wang (China)	Chairman: Weiqun Lu (China)	
1545-1615	Symposium Lecture-21 P.31 Wei Ge (China) Kit system and its role in the paracrine regulation of follicle development in zebrafish.	Symposium Lecture-22 P.32 Chi-Ying Lee (Taiwan) Neuroendocrine response to pathogens and its implication for the metabolism of crustacean host.	1F / 2F Auditorium
1615-1645	Symposium Lecture-23 P.33 Honoo Satake (Japan) Neuropeptides and peptide hormones of the ascidian, <i>Ciona intestinalis</i> : Comparative views to novel follicle growth.	Symposium Lecture-24 P.34 Suchinda Malaivijitnond (Thailand) Anti-osteoporotic effects of phytoestrogens containing plant <i>Pueraria mirifica</i> : <i>in vivo</i> and <i>in vitro</i> approaches.	1F / 2F Auditorium
	Chairman: Kiyoshi Soyano (Japan)	Chairman: Jenn-Kan Lu (Taiwan)	
1645-1705	Oral Presentation-29 P.73 Hera Maheshwari (Indonesia) Fecal testosterone profile and sperm quality of dairy buffalo from north sumatera.	Oral Presentation-30 P.74 Deng Siping (China) Molecular cloning and dimorphic expression of Growth hormone (GH) in female and male spotted scat (<i>Scatophagus argus</i>).	1F / 2F Auditorium
1705-1725	Oral Presentation-31 P.75 Priyajit Chatterjee (India) A super molecule reverts lipid induced insulin resistance.	Oral Presentation-32 P.76 Wensheng Li (China) Molecular characterization of adiponectin receptors, its mRNA expression, and subcellular location in the orange-spotted grouper (<i>Epinephelus coioides</i>).	1F / 2F Auditorium
1725-1810	Poster presentation and Coffee break		Exhibition Room
1830-2000	Dinner (水園會館Le Jardin restaurant, Keelung)		

DAY4 March 21, 2014 (Friday)

Time	Program	Venue
0830-0900	Registration	Exhibition Room
0900-0945	Chairman: Ishwar Parhar (Malaysia) Keynote Lecture-7 P.7 Saumen Kumar Maitra (India) Melatonin in gut and pineal: A testimony of diversity in temporal pattern and its synchronizer.	1F Auditorium
	Symposia- Reproductive Endocrinology	Symposia- Environmental and adaptative Endocrinology
0945-1015	Chairman: Tomoko Soga (Malaysia) Symposium Lecture-25 P.35 Keerikkattil Paily Joy (India) Catecholestrogens in final oocyte maturation in the catfish <i>Heteropneustes fossilis</i> : an overview.	Chairman: Pung-Pung Huang(Taiwan) Symposium Lecture-26 P.36 Hans Uwe Dhams (Korea) Does bioaccumulation and biomagnification of EDC's take place in marine fish?
1015-1045	Symposium Lecture-27 P.37 Akihiro Takemura (Japan) Rhythms in fish reproduction : possible involvement of dopaminergic activity in tidal-related spawnings of a tropical wrasse.	Symposium Lecture-28 P.38 Wei qun Lu (China) Neuro-endocrine control of the environmental adaptability in fish-a study of fish caudal neurosecretory system.
1045-1105	Coffee Break	Exhibition Room
1105-1125	Chairman: Ritsuko Ohtani-Kaneko (Japan) Oral Presentation-33 P.77 Xiaochun Liu (China) Molecular cloning, characterization and expression profiles of Dax1 in protogynous orange-spotted grouper (<i>Epinephelus coioides</i>).	Chairman: Wei Hu (China) Oral Presentation-34 P.78 Taro Ikegami (Japan) Is tide-related locomotion rhythm controlled by external tidal stimuli or internal melatonin in the barred mudskipper?
1125-1145	Oral Presentation-35 P.79 Wen-Shiun Yueh (Taiwan) The functions of estradiol-17 β during oocyte maturation in multiple spawning fish, yellowfin porgy.	Oral Presentation-36 P.80 Chunhua Zhu (China) Effects of Nonylphenol on Vitellogenin Gene Expression and Gonad Development in <i>Macrobrachium rosenbergii</i> .
1145-1205	Oral Presentation-37 P.81 Yung-Sen Huang (Taiwan) Correlation between <i>PTEN</i> expression levels and ovarian development in the induced Japanese eel.	Oral Presentation-38 P.82 Noppadon Kitana (Thailand) Herbicide utilization as an environmental stressor on reproductive/endocrine functions of sentinel species in agricultural areas.

1205-1340	Lunch (1205-1250), Poster presentation (1240-1340,Exhibition Room) & Coucil meeting (1210-1330, 2F Meeting room)	
1340-1425	Chairman: Billy KC Chow (China) Keynote Lecture-8 P.8 Hao-Ran Lin (China) Structure and functions of GnIH and GnIH receptor in teleost.	1F Auditorium
1430-1800	Free Tour (海洋科技博物館National Museum of Marine Science and Technology and 九份Jiufen, Keelung)	
1830-2030	Dinner (Evergreen Laurel Hotel, Keelung) & Performance	

DAY5 March 22, 2014 (Saturday)

Time	Program	Venue
0830-0900	Registration	Exhibition Room
0900-0945	Chairman: Suchinda Malaivijitnond (Thailand) Keynote Lecture-9 P.9 Kazuyoshi Tsutsui (Japan) Progress in comparative endocrinology by discovering novel neuropeptides and neurosteroids.	1F Auditorium
	Symposia- Invertebrate Endocrinology	Symposia- Environmental and adaptative Endocrinology
0945-1015	Chairman: Saumen Kumar Maitra (India) Symposium Lecture-29 P.39 Young-Joon Kim (Korea) A sleep-stabilizing pathway in <i>Drosophila</i> composed of sex peptide receptor and its ligand, the myoinhibitory peptide.	Chairman: Yoshio Takei (Japan) Symposium Lecture-30 P.40 Pung-Pung Hwang (Taiwan) New insights into hormonal control of body fluid ion homeostasis: zebrafish as a model.
1015-1045	Symposium Lecture-31 P.41 Shinya Shikina (Taiwan) Yolk formation in a stony coral <i>Euphyllia ancora</i> (Cnidaria, Anthozoa): insight into the evolution of vitellogenesis in non-bilaterian animals.	Symposium Lecture-32 P.42 Tomoko Soga (Malaysia) Impact of early life stress on anxiety and reproduction.
1045-1105	Coffee Break	
1105-1125	Chairman: Anderson On Lam Wong (China) Oral Presentation-39 P.83 Yung-Che Tseng (Taiwan) Convergent evolutions of epithelial cell differentiation and neuroendocrine regulation in cephalopod and fish embryos.	Chairman: Pung-Pung Huang (Taiwan) Oral Presentation-40 P.84 Minoru Uchiyama (Japan) Osmoregulation in the crab-eating frog, <i>Fejervarya cancrivora</i> .
1125-1145	Oral Presentation-41 P.85 Hai Hui Ye (China) The presence and role of gnrh in the reproduction of the mud crab, <i>Scylla paramamosain</i> .	Oral Presentation-42 P.86 Mitsuyo Kishida (Japan) Nitrate (NO ₃ ⁻) and nitrite (NO ₂ ⁻) perturb the activity of dopaminergic neuron during early development of zebrafish.

1145-1215	Symposium Lecture-33 P.43 Hosung Jung (Korea) Xenopus as a model to study neuronal axons.	Symposium Lecture-34 P.44 Takashi Yoshimura (Japan) Evolution and origin of seasonal sensor in vertebrates.	1F / 2F Auditorium
1215-1225	Closing Ceremony: Kazuyoshi Tsutsui (Japan)		1F Auditorium
1300-1500	Lunch and Free Tour (和平島公園Peace Island Geopark , Keelung)		
1600-1800	Free Tour (野柳地質公園Yehliu Geopark, Taipei)		
1830-2000	Dinner (基隆廟口夜市Keelung Night Market, Keelung)		

Program Schedule

Poster list

	Symposia- Molecular Endocrinology1
poster 1-1	Cho Rong Park (Korea) P.87 Park C.R.* , You D-.J., Kim D-.K., Moon M.J., Lee C., Oh S-.H., Ahn C., Seong J.Y., Hwang J-.I. CXCL14 enhances proliferation and migration of cancer cells overexpressing the glycoproteins.
poster 1-2	Sumi Park (Korea) P.88 Park S.* , Seong J.Y., Hwang J. I. A novel gonadotropin-releasing hormone-II analog induces apoptosis prostate cancer cells.
poster 1-3	You Lee Son (Japan) P.89 Son Y.L.* , Ubuka T., Narihiro M., Fukuda Y., Hasunuma I., Yamamoto K., Belsham D.D., Tsutsui K. Transcriptional activation of gonadotropin-inhibitory hormone by corticosterone.
poster 1-4	Kim Ha Da (Korea) P.90 Kim J.-H., Han K.-N. , Dahms H.-U.* Molecular responses in the migrating <i>Takifugu obscurus</i> - gene regulation depends on tissue and reading time.
	Symposia- Environmental and adaptative Endocrinology 2
poster 2-1	Khattapan Jantawongsri (Thailand) P.91 Jantawongsri K.* , Kitana J., Kitana N. Stress and immune response of the rice frog <i>Fejervarya limnocharis</i> living in areas with different agricultural activity.
poster 2-2	Rangsima Pewphong (Thailand) P.92 Pewphong, R.* , Kitana, J., Kitana, N. Incubating temperature affects development of endocrine cells in gonad of <i>Malayemys macrocephala</i> , a freshwater turtle from tropical asia.
poster 2-3	Jirarach Kitana (Thailand) P.93 Kitana, J.* , Meesawat S., Thammachoti P., Thitiphuree, T., Maneein, R., Chiewchanchai M., Pariyanonth P., Khonsue W., Kitana N. Stress and health status based on hematological parameters of the rice field frog <i>Hoplobatrachus rugulosus</i> in captivity.
poster 2-4	Ying Jey Guh (Taiwan) P.94 Guh Y.J.* , Tseng Y.C., Yang C.Y., Hwang P.P. Endothelin-1 regulates transepithelial H ⁺ secretion in zebrafish.
poster 2-5	DaYaWa Shim (Korea) P.95 Shim D.M.-C., Dahms H.-U.* , Yang J., Wang L. Endocrine effects of copper in aquatic animals – a review.
poster 2-6	Adimoolam Aruna (Taiwan) P.96 Aruna A.* , Nagarajan G., Chang C.F. Differential expression of arginine vasotocin and isotocin mRNA to external salinity stress in black porgy (<i>Acanthopagrus Schlegelii</i>) hypothalamus and pituitary.

poster 2-7	Chia-Hao Lin (Taiwan) P.97 Lin C.H.*, Hu H.J., Hwang P.P. The calciotropic hormone vitamin D regulates ion homeostasis in zebrafish (<i>Danio rerio</i>).
Symposia- Evolutionary and Developmental Endocrinology 3	
poster 3-1	Seongsik Yun (Korea) P.98 Yun S.*, Moon M.J., Park C.R., Cho E.B., Hwang J.-I., Seong J.Y. Evolution and expansion of <i>glp1</i> and <i>glp1</i> receptor family.
poster 3-2	Hsiang-Hsu Pan (Taiwan) P.99 Pan H.H.*, Shikina S., Shao Z.F., Chang C.F. Evolution and possible roles of heat shock protein 60 (Hsp60) in germline of metazoan animals.
Symposia- Neuroendocrinology 4 & Neuropeptides and Receptors 5	
poster 4-1	Shogo Haraguchi (Japan) P.100 Haraguchi S.*, Hara S., Ubuka T., Tsutsui K. Pineal allopregnanolone saves purkinje cells from apoptosis in the cerebellum.
poster 4-2	Ganesan Nagarajana (Taiwan) P.101 Nagarajan G.*, Aruna A., Chang C.F. Potential role for neurosteroids in the early brain of orange-spotted grouper.
poster 5-1	Shan-Ru Jeng (Taiwan) P.102 Jeng S.R.*, Yueh W.S., Dufour S., Kah O., Chang C.F. The expression and regulation of aromatase and estrogen receptors in Japanese eel.
Symposia- Invertebrate Endocrinology 6	
poster 6-1	Shunsuke Moriyama (Japan) P.103 Moriyama S.*, Kawamura M., Kodera Y., Uchida K., Amano H. Neuropeptide Y involves in the regulation of somatic growth of the Pacific abalone.
poster 6-2	Shinya Shikina (Taiwan) P.104 Shikina S.*, Shao Z.F., Chung Y.J., Chang C.F. Expression of heat shock protein 60 (Hsp60) in the germline cells of a scleractinian coral <i>Euphyllia ancora</i> (Cnidaria, Anthozoa).
poster 6-3	Yi-Ling Chiu (Taiwan) P.105 Chiu Y.L.*, Shikina S., Chang C.F. Exploration of the genes involving in sexual reproduction in a stony coral <i>Euphyllia ancora</i> .
Symposia- Brain and Behavioral Endocrinology 7	
poster 7-1	Yasuto Narita (Japan) P.106 Narita Y.*, Okada N., Tsutiya A., Kaneko T., Ohtani-Kaneko R. Dose 11-KT increase GnRH3 neurons by enhancing neurogenesis in female mozambique?
poster 7-2	Yu Shinohara (Japan) P.107 Shinohara Y.* and Kobayashi M. Sexual bipotentiality of the brain for olfactory processing and sexual behavior in goldfish.
poster 7-3	Chien-Ju Lin (Taiwan) P.108 Lin C.J.*, Fan-Chiang Y.C., Dufour S., Chang C.F.* Activation of brain steroidogenesis and neurogenesis at the time of gonadal sex differentiation in protandrous black porgy, <i>Acanthopagrus schlegelii</i> .

	Symposia- Growth and Metabolism Endocrinology 8
poster 8-1	Dong-Joo You (Korea) P.109 You D.J., Park C.R., Lee H.B., Seong J.Y., Hwang J.I.* Suppression of NF- κ B signaling by nme1 through direct interaction with IKK β .
poster 8-2	Fumitaka kondo (Japan) P.110 Kondo F. *, Iwai T., Miura C., Miura T. Analysis of cholecystokinin, peptide Y and Ghrelin in the appetite and digestion of pacific bluefin tuna (<i>Thunnus orientalis</i>).
poster 8-3	Li-Jung Cheng (Taiwan) P.111 Cheng L.J.*, Liang C.C., Kong Z.L. Effect of β -glucans on diabetic mouse regarding to natural killer cells.
	Symposia- Reproductive Endocrinology 9
poster 9-1	Cheng-Han Chou (Taiwan) P.112 Chou C.H. *, Chiu H.C., Wu L.T., Chen C.H., Kang Y.R., Chang Y.S., Lee T.L., Huang W.T. Gonadotropins affected the <i>in vitro</i> expression of neuropeptide and steroidogenesis in the gonad of tilapia.
poster 9-2	Rang Rang Dong (China) P.113 Dong R. *, Yang S., Fang L., Feng R., Sun Y., Zhang Y., Xie X., Wang D. Effects of edcs on sex as demonstrated by feminization of artificially propagated southern catfish by feeding of <i>Limnodilus spp</i> .
poster 9-3	Hung-Ching Chiu (Taiwan) P.114 Chiu H.C. *, Chou C.H., Chen J.H., Chang Y.S., Lee T.L., Tang P.C., Huang W.T. Neuropeptide affected protein expression in the gonad of tilapia <i>in vitro</i> .
poster 9-4	Katsuhisa Uchida (Japan) P.115 Uchida K. *, Hyodo S., Watanabe T., Kagawa H. Morphological and molecular approaches on pituitary gland of the cloudy catshark, <i>Scyliorhinus torazame</i> .
poster 9-5	Linyan Zhou (China) P.116 Yu X., Wu L., Xie L., Yang S., Shi H., Wang D., Zhou L.* Characterization of two duplicated star genes in a teleost, Nile tilapia (<i>Oreochromis niloticus</i>).
poster 9-6	Lina Sun (China) P.117 Sun L., Jiang X., Xie Q., Zhou L., Nagahama Y., Wang D.* Transdifferentiation of differentiated ovary into functional testis by long term treatment of aromatase inhibitor in Nile tilapia.
poster 9-7	Guang-Li Li (China) P.118 Li G.L.*, Zhang M.Z., Deng S.P., Zhu C.H. Molecular cloning and gene expression of Foxl2 in spotted scat (<i>Scatophagus argus</i>).
poster 9-8	Zhang Yan (Japan) P.119 Zhang Y. *, Yamamoto Y., Sarida M., Hattori R.S., Strüssmann C.A. Genetic sex determination in pejerrey: evidence from the testis-determining gene, AMHY.
poster 9-9	Shu Chun Cheng (Taiwan) P.120 Cheng S.C., Ting T.L., Kong Z.L.* Effects of Basswood Culture <i>Antrodia cinnamomea</i> Ethanol Extracts on Reproductive Function in Streptozotocin - Nicotinamide Induced Diabetic Male Rats.

poster 9-10	Masahiro Matsumoto (Japan) P.121 Matsumoto M.*, Uchida K., Watanabe T., Hyodo S., Nakamura M., Sato K., Kagawa H. Egg shell formation in the oviducal gland of the cloudy catshark, <i>Scyliorhinus torazame</i> , elasmobranchs.
poster 9-11	Wen-Shiun Yueh (Taiwan) P.122 Yueh W.S.*, Jeng S.R., Haung P.H., Chiang S.D., Chang C.F. The characters of final oocyte maturation in largescale mullet, <i>Chelon macrolepis</i> .
poster 9-12	Yung-Sen Huang (Taiwan) P.123 Zhu C.-W., Lee Y.-H., Chang C.-F., Huang Y.-S.* Effects of the Cilostazol (a specific phosphodiesterase type III inhibitor) on primary-secondary oocyte development in the induced Japanese eel.
poster 9-13	Chi Chen (Taiwan) P.124 Chen C.*, Wu G.C., Chang C.F. The role of germ cell differentiation genes during testicular development and germ cell proliferation in black porgy, <i>Acanthopagrus schlegelii</i> .
poster 9-14	Jia-Wun Luo (Taiwan) P.125 Luo J.W.*, Wu G.C., Chang C.F. The soma fate alter by the ectopic oocytes in the regenerated testis in black porgy, <i>Acanthopagrus schlegelii</i> .
poster 9-15	Ching-Hsuan Fan (Taiwan) P.126 Fan C.H.*, Wu G.C., Chang C.F. The interaction between brain and gonad during gonadal differentiation in black porgy, <i>Acanthopagrus schlegelii</i> .
poster 9-16	Wei-Guan Tey (Taiwan) P.127 Tey W.G.*, Wu G.C., Chang C.F. The functional change of germ and soma during sex reversal in Orange-spotted grouper.
	Symposia- Endocrinology of Stem Cell Biology 10
poster 10-1	Ji Yeon Kim (Korea) P.128 Kim J.Y.*, Kim Y., Chung S., Jung H., Park S.H., Son G.H. Identification of molecular signatures related to ischemic heart failure by gene expression analysis on human myocardial autopsy materials.
poster 10-2	Yunmi Kim (Korea) P.129 Kim Y.*, Kim J.Y., Kim J.W., Hwang J.J., Park S.H., Son G.H. Cell death-associated 28S ribosomal RNA cleavage in postmortem tissues.