




Poster Group A, July 9 (Wed) 15:35-16:35, Venue 4

Pres. No.	Name	Title	Oral Presentation	Poster Award Nominee
1-A	Pummarin Tippramuan	THE PHENOTYPE OF MICE DEFICIENT OF LNCRNA-HSVIII, A TESTIS -SPECIFIC LONG NONCODING RNA		
5-A	Van Khanh Vo	EXPRESSION AND ROLES OF MATRIX METALLOPROTEINASES IN THE MOUSE OVARY DURING OVULATION		
9-A	Yukiko Ogino	GENETIC BASIS FOR DIVERSE SEXUAL CHARACTERISTICS REGULATED BY THE ANDROGEN SIGNALING IN TELEOSTS		
13-A	Li Feng	THE ROLE OF THE <i>STAR2</i> GENE IN SEX DIFFERENTIATION AND GONADAL DEVELOPMENT IN NILE TILAPIA		
17-A	Tapas Chakraborty	ANALYZING TRANSGENERATIONAL CHANGES IN DNA METHYLATION PATTERNS OF GONADAL CYP19A AND DMRT1 IN A MARINE FISH REARED UNDER DIFFERENT TEMPERATURE CONDITIONS		
21-A	Akira Eguchi	GENERATION OF GERM CELL DEFICIENT <i>SCOMBER JAPONICUS</i> BY KNOCKOUT OF GRANULE COMPONENT FACTOR, DND		
25-A	Hiroshi Suzuki	EFFECTS OF DIFFERENT OOCYTE MATURATION INDUCTION METHODS ON TAURINE AND ITS SYNTHESIS AND TRANSPORTER GENE EXPRESSION LEVELS IN THE OVARIAN FOLLICLES AND EGGS OF JAPANESE EELS		
29-A	Yoshiko Kondo	INVOLVEMENT OF MATRIX METALLOPROTEASE 9 IN POSTOVULATORY FOLLICLES DEGRADATION IN MEDAKA OVARY		
33-A	Koki Yamaguchi	FUNCTIONAL ANALYSIS OF ZEBRAFISH PRSS59.1 IN CHORION ELEVATION		
37-A	Ryohei Surugaya	TRANSCRIPTIONAL REGULATION OF PROSTAGLANDIN SYNTHESIS-RELATED GENES VIA WNT/B-CATENIN SIGNALING DURING OVULATORY COMPETENCE INDUCTION IN OVARIAN FOLLICLES OF STURGEONS		
41-A	Keigo Nagasaka	FUNCTIONS AND ENDOCRINE REGULATIONS OF THE OVIDUCAL GLAND IN OVIPAROUS SHARKS		
45-A	Sena Matsuzaki	EXPLORATION OF HYPOTHALAMIC NEUROPEPTIDES MEDIATING INFLAMMATION-INDUCED SUPPRESSION OF LUTEINIZING HORMONE PULSES IN FEMALE RATS		
49-A	Moeka Matsumura	DISTRIBUTION OF THE 26RFA/QRFP NEUROPEPTIDERGIC SYSTEM AND SEX DIFFERENCES IN 26RFA PEPTIDE LEVEL IN THE ZEBRA FINCH		
53-A	Soma Tomihara	SEXUAL RECEPTIVITY INCREASES IN SYNCHRONY WITH THE OVULATORY CYCLE IN FEMALE MEDAKA		
57-A	Yuya Takubo	EFFECT OF CHOLECYSTOKININ ON FSH PRODUCTION AND VITELLOGENIC GROWTH IN JAPANESE EEL		
61-A	Hironori Ando	BRAIN LOCALIZATION OF TRPV1A mRNA AND TEMPERATURE-DEPENDENT EXPRESSION IN THE DIENCEPHALON OF GRASS PUFFER		
65-A	Yukihiro Kuratani	EXPLORATION FOR PHOTORECEPTOR-RELATED GENES AND THEIR EXPRESSION KINETICS IN CHUB MACKEREL, <i>SCOMBER JAPONICUS</i>		
69-A	Taiki Yamaguchi	ANALYSIS OF SEASONAL TEMPERATURE SENSING IN JAPANESE MEDAKA		








Pres. No.	Name	Title	Oral Presentation	Poster Award Nominee
73-A	Michihiro Ohkouchi	SEASONAL CHANGES IN BLOOD METABOLITES IN MICE		
77-A	Mark Lokman	LIPOPROTEIN BIOLOGY IN IMMATURE AND SEXUALLY MATURING LONGFINNED EELS, <i>ANGUILLA AUSTRALIS</i> CAPTURED FROM THE WILD		
81-A	Siao-Tong Nie	MELATONIN RELIEVES NERVE INJURY-INDUCED NEUROPATHIC PAIN BY REGULATING GIGYF1/mGLUR5 PATHWAY IN DORSAL HORN		
85-A	Hsien Yu Peng	MELATONIN REVERSES CDCA7-MEDIATED EPIGENETIC SILENCING OF THE μ -OPIOID RECEPTOR IN NEUROPATHIC PAIN		
89-A	Kenshiro Shikano	ROLE OF HYPOTHALAMIC NPGL/NPGM SYSTEM ON HIGHER BRAIN FUNCTION		
93-A	Morio Azuma	ACTIVITY AND PROJECTION OF MOTILIN RECEPTOR-EXPRESSING NEURONS IN MEDAKA AREA POSTREMA		
97-A	Takehisa Suzuki	TOXIC PUFFERFISH SMELL A NONTOXIC TTX ANALOG, 5,6,11-TRIDEOXYTTX		
101-A	Shota Kikuchi	CHROMOGRANIN B HAS A PUTATIVE ROLE IN INTERACTING WITH SECRETOTRANIN III IN THE RAT PITUITARY CORTICOTROPHS		
105-A	Muhammad Rahmad Royan	THE REGULATION OF PROLACTIN CELLS IN THE MEDAKA		
109-A	Yui Yokoyama	CHARACTERIZATION OF A SERUM TOXIN PROTEIN IN JAPANESE EEL		
113-A	Mayu Inokuchi	THE EFFECT OF WATER TEMPERATURE ON THE SALINITY TOLERANCE OF AMPHIDROMOUS AND LANDLOCKED AYU (<i>PLECOGLOSSUS ALTIVELIS</i>)		
117-A	Anankpètinan Prosper Dabiré	HYDROSMOTIC AND WATER BALANCE ACTIVITIES OF SERITOCIN ([SER5, ILE8]-OXYTOCIN) ON TOAD <i>SCLEROPHYRUS REGULARIS</i>		
121-A	Maho Ogoshi	EVOLUTION OF ADRENOMEDULLIN 5 (AM5) GENE IN RODENTS		
125-A	Mayu Koketsu	NEURAL CREST CELLS INCREASE ACTA2 GENE EXPRESSION IN RESPONSE TO ENVIRONMENTAL HYPOXIA/REOXYGENATION IN ZEBRAFISH EMBRYOS		
129-A	Song Yang	STRATEGIES FOR HYPOXIA ADAPTATION IN FISH: A REVIEW		
133-A	Hsin-Ju Chuang	ENVIRONMENTAL ACIDIFICATION TRIGGERS FEMALE-SPECIFIC ESTROGEN RECEPTOR SIGNALING BETWEEN THE LIVER AND OVARY TO ENHANCE ENERGY STORAGE AND REPRODUCTION IN MEDAKA		
137-A	Naoto Hashimoto	EVALUATION OF THE ZEBRAFISH REPETITIVE RESTRAINT STRESS MODEL AND FUNCTIONAL ANALYSIS OF PACAP IN THE REPETITIVE RESTRAINT STRESS RESPONSE		
141-A	Keiichi Kozasa	EFFECTS OF LIGNIN SULFONIC ACID ON ANXIETY-LIKE BEHAVIOR, ORGAN WEIGHTS, AND PLASMA HORMONE LEVELS IN MALE RATS		
145-A	Kuan-Hung Lin	EFFECTS OF FLAVONOL-RUTHENIUM COMPLEXES ON PLATELET ACTIVATION AND THROMBUS FORMATION		
149-A	Yuki Shibata	NEW APPROACHES USING GENOME EDITING TECHNOLOGY TO ELUCIDATE MECHANISMS OF THYROID HORMONE-DEPENDENT ADULT EPITHELIAL STEM CELL FORMATION DURING INTESTINAL REMODELING IN <i>XENOPUS</i>	YO7	
153-A	Kannikar Wongdee	INTESTINAL CALCIUM ABSORPTION AND JUNCTIONAL INTEGRITY IN HYPERTENSIVE RATS		
157-A	Masaki Kobayashi	DEVELOPMENT OF A HIGHLY SPECIFIC SANDWICH ELISA FOR MEASURING PLASMA GLUCAGON IN RODENTS		
161-A	Genki Yamagishi	CHARACTERIZATION OF INSULIN FROM <i>GEKKO</i> SPECIES INHABITING THE JAPANESE ARCHIPELAGO REVEALS POSSIBLE MOLECULAR ADAPTATION		
165-A	Marino Shimizu	GLUCONEOGENESIS DURING DEVELOPMENT OF CLOUDY CATSHARK (<i>SCYLIORHINUS TORAZAME</i>), RIVER LAMPREY (<i>LETHENTERON JAPONICUM</i>) AND STERLET (<i>ACIPENSER RUTHENUS</i>)		
169-A	Ayaka Izutsu	A FOURTH INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN IN RAINBOW TROUT SERUM: ITS RELATIONSHIP WITH GROWTH AND POSSIBLE IDENTITY		
173-A	Haruhisa Fukada	DIFFERENCES IN GENE EXPRESSION OF TWO CHOLECYSTOKININS (<i>CCK1</i> AND <i>CCK2</i>) AND DIGESTIVE ENZYMES BETWEEN WILD AND ARTIFICIAL YELLOWTAIL SEEDLINGS IN RESPONSE TO FEEDING		
177-A	Yongjiang Xu	PHYSIOLOGICAL ROLE OF LEPTIN IN FAT METABOLISM AND REPRODUCTIVE FUNCTION OF TONGUE SOLE – IMPLICATION IN SEXUAL PRECOCITY CONTROL		
181-A	Nao Tajima	ATYPICAL CHANGES IN TRAITS RELATED TO SMOLTIFICATION IN A STRAIN OF MASU SALMON		
185-A	Haruna Amano	INVESTIGATION OF CAROTENOID CARRIER PROTEINS IN MASU SALMON, <i>ONCHRRHYNCHUS MASOU</i> , USING PROTEOMIC ANALYSIS		
189-A	Toshio Sekiguchi	THE STUDY FOR THE CALCITONIN/CALCITONIN-GENE RELATED PEPTIDE SUPERFAMILY GENE IN AN ACOEL FLATWORM, <i>PRAESAGITTIFERA NAIKAIENSIS</i>		
193-A	Kazue Nagasawa	MOLECULAR INSIGHTS INTO REPRODUCTIVE AND IMMUNE MECHANISMS IN BIVALVES		
197-A	Takehiro Furukawa	EFFECTS OF MAJ-IAG KNOCKDOWN ON THE DEVELOPMENT OF SECONDARY SEXUAL CHARACTERISTICS IN MALE JUVENILE MALE KURUMA PRAWN		
201-A	Yugo Takahata	IDENTIFICATION OF NOVEL TARGET GENES TRANSCRIPTIONALLY ACTIVATED BY THE JUVENILE HORMONE RECEPTOR MET IN <i>DAPHNIA PULEX</i>		
205-A	HuaChen Liu	MOLECULAR AND FUNCTIONAL CHARACTERIZATION OF THE SULFAKININ/CHOLECYSTOKININ-TYPE NEUROPEPTIDE SIGNALING SYSTEM IN THE SEA CUCUMBER <i>APOSTICHOPUS JAPONICUS</i>		
209-A	Tsuyoshi Kawada	GONADOTROPIN-INDEPENDENT MECHANISM OF MOUSE SECONDARY FOLLICLE GROWTH INDUCED BY OVARIAN TACHYKININS		


Poster: Group B, July 11 (Fri) 15:35-16:35, Venue 4

Pres. No.	Name	Title	Oral Presentation	Poster Award Nominee
2-B	Natchanok Puangjit	IDENTIFICATION AND CHARACTERIZATION OF EXOSOMAL RNAS RESPONSIVE TO HCG IN MOUSE GRANULOSA CELLS		
6-B	Shumpei Morita	GERMLINE REGENERATION MECHANISM IN AN ASCIDIAN, <i>CIONA ROBUSTA</i>		
10-B	Chen Yan Wu	GENOTYPE-BY-ENVIRONMENT INTERACTIONS MODULATE THE DYNAMICS OF GONADAL SEX DETERMINATION IN PEJERREY <i>ODONTESTHES BONARIENSIS</i>		
14-B	Tomomitsu Arai	ROLE OF AMHY ON SEX DIFFERENTIATION-RELATED GENES EXPRESSION IN NILE TILAPIA	SO1	
18-B	Kohei Ohta	CELLULAR DYNAMICS CONTROLLING GONADAL SEXUAL PLASTICITY IN A NATURAL SEX-CHANGING FISH		
22-B	Akifumi Yao	FOLLICLE-STIMULATING HORMONE REGULATES FEMALE-TO-MALE SEX CHANGE IN A TELEOST FISH, HARLEQUIN SANDSMELT		
26-B	Xin Zhang	ROLE OF THE ACTIVIN-INHIBIN PATHWAY IN GDF9-REGULATED FOLLICULOGENESIS IN ZEBRAFISH	SO2	
30-B	Md. Ekramul Hasan	OLFACTORY DISORDER IN <i>PAQR5B</i> GENE KNOCKOUT ZEBRAFISH IMPAIRED RESPONSE TO ODORANTS AND PHEROMONE	SO3	
34-B	Yuki Omori	EXPRESSION AND PURIFICATION OF RECOMBINANT G-PROTEIN-COUPLED RECEPTOR 33 (GPR33), A CANDIDATE MEMBRANE RECEPTOR FOR CORTICOIDS	SO5	
38-B	Yasuhisa Kobayashi	GONADAL SEX DIFFERENTIATION IN CHONDRICHTHYANS WITH DIFFERENT REPRODUCTIVE MODES: COMPARATIVE ANALYSIS OF GERM CELL DISTRIBUTION PATTERNS		
42-B	Noriko Ogawa	LIPOSOMAL PARTICLE KINETICS IN MOUSE AMNIOTIC FLUID		
46-B	Hiroe Okada	POTENTIAL ROLE OF KISSPEPTIN IN THE ESTRADIOL-INDUCED MODULATION OF INHIBIN SUBUNIT GENE EXPRESSION: INSIGHTS FROM <i>IN VIVO</i> RAT MODELS AND HYPOTHALAMIC CELL MODELS		
50-B	Hikaru Ishihara	ANALYSIS OF CHARACTERISTICS OF MORPHOLOGY AND NEURAL ACTIVITIES DURING MOUTH BROODING IN MALE CARDINALFISH		
54-B	Caiyun Sun	THE REGULATORY EFFECT OF INTRAMUSCULAR IMPLANTATION OF TUII-PLGA-SUSTAINED MICROSPHERES ON THE REPRODUCTION OF GIFT TILAPIA (<i>OREOCHROMIS NILOTICUS</i>)		
58-B	Hirofumi Ohga	LEPTIN IS AN IMPORTANT ENDOCRINE PLAYER THAT DIRECTLY REGULATES GONADOTROPIN SECRETION IN THE TELEOST FISH CHUB MACKEREL		
62-B	Koh Youngjae	TEMPERATURE-DEPENDENT EXPRESSION PATTERNS OF TRPV CHANNELS AND THEIR ROLE IN THERMAL ADAPTATION IN RED-SPOTTED GROUPEY (<i>EPINEPHELUS AKAARA</i>)		
66-B	Masayuki Iigo	mRNA-SEQ ANALYSES REVEALED THE CHARACTERISTICS OF THE CORONET CELLS IN SACCUS VASCULOSUS OF A TELEOST, MASU SALMON <i>ONCORHYNCHUS MASOU</i>		
70-B	Yuriko Arita	STUDY ON ULTRADIAN RHYTHMS IN MEDAKA		
74-B	Kai Fukawa	SEASONAL CHANGES IN ALCOHOL TOLERANCE IN MICE		
78-B	Kritsakorn Mangkang	SEXUAL SIZE DIMORPHISM AND SEX STEROID HORMONE PROFILES IN MATURE SNAIL-EATING TURTLE, <i>MALAYEMYS MACROCEPHALA</i> , IN CAPTIVITY		
82-B	Ming Chun Hsieh	SEX HORMONES-DRIVEN DEK SIGNALING EPIGENETICALLY REGULATES mGLUR5 EXPRESSION IN PACLITAXEL-INDUCED NEUROPATHIC PAIN		
86-B	Yuki Narimatsu	EFFECTS OF INHIBITION OF NEUROTRANSMISSION IN NPGL-PRODUCING CELLS ON ENERGY METABOLISM	YO5	
90-B	Ryusei Yano	ANALYSIS OF NEUROPEPTIDE Y RECEPTOR (1R, 5R) HETERODIMERS IN CULTURED CELLS WITH PRIMARY CILIA		
94-B	Towako Hiraki-Kajiyama	SEXUAL DIMORPHISM IN THE OPTIC TECTUM OF MEDAKA REVEALED BY SINGLE-CELL RNA-SEQUENCING		
98-B	Masanori Kasai	IDENTIFICATION OF RETINOIC ACID-RESPONSIVE GENES IN THE ANTERIOR PITUITARY CELLS OF RATS		
102-B	Ayano Shindo	CD9/SOX2 POSITIVE CELLS, ADULT PITUITARY TISSUE STEM CELLS IN RATS, HAVE MESENCHYMAL STEM CELL CHARACTERISTICS		
106-B	Norifumi Konno	REGULATION OF BRANCHIAL EXPRESSION OF THE CALCIUM-ACTIVATED CHLORIDE CHANNEL, ANOCTAMIN 1 IN FRESHWATER- AND SEAWATER-ACCLIMATED JAPANESE MEDAKA, <i>ORYZIAS LATIPES</i>		
110-B	Ryo Okinishi	CHARACTERIZATION OF A NOVEL NATRIURETIC PEPTIDE RECEPTOR-A IN JAPANESE EELS	SO9	
114-B	Kohei Kuroda	MELANIN-CONCENTRATING HORMONE ACTS ON THE OSTEOBLASTS AND OSTEOCLASTS AND REGULATES CALCIUM METABOLISM VIA CALCIUM HORMONE IN GOLDFISH		
118-B	Elisabeth Eppler	EVOLUTIONARY ASPECTS OF OSMOREGULATION AND CALCIUM HOMEOSTASIS IN VERTEBRATES		
122-B	Shunta Yamagishi	ACCELERATED FIN REGENERATION IN ZEBRAFISH LARVAE EXPERIENCED HYPOXIA/REOXYGENATION-INDUCED CATCH-UP GROWTH		
130-B	Haoxiao Yan	INHIBITION OF GRP75 AGGRAVATES ENVIRONMENTAL HYPOXIC EXPOSURE-MEDIATED FERROPTOSIS BY DISRUPTING MITOCHONDRIA-ASSOCIATED ER MEMBRANES (MAMs) IN THE FRESHWATER TELEOST		
134-B	Tzu-Yen Liu	EXPLORING THE ROLE OF MULTIGENERATIONAL NEUROMUSCULAR RESPONSES AND BEHAVIORAL PATTERNS IN FISH UNDER ACIDIFICATION		
138-B	Ayako Ichimura	EFFECTS OF INDIVIDUAL IDENTIFICATION ON THE ANALYSIS OF ANXIETY-LIKE BEHAVIORS IN ZEBRAFISH		
142-B	Yukihiro Maeda	EFFECTS OF NEONATAL EXPOSURE TO 3-METHYL-4-NITROPHENOL ON PARTNER PREFERENCE IN FEMALE RATS		

Pres. No.	Name	Title	Oral Presentation	Poster Award Nominee
146-B	Chihiro Murai	SILKIE HENS HAVE HIGHER PLASMA TRIIODOTHYRONINE CONCENTRATIONS THAN GIFU-JIDORI HENS IN THE THIRD WEEK OF INCUBATION		
150-B	Erica J Crespi	LEPTIN MODULATES APPENDAGE REGENERATION IN <i>XENOPUS</i> VIA PLEIOTROPIC PARACRINE AND NEUROENDOCRINE MECHANISMS		
154-B	Youlee Son	FUNCTIONAL ANALYSIS OF A NOVEL REGULATOR INVOLVED IN ADIPOSE TISSUE INFLAMMATION DURING DIET-INDUCED OBESITY		
158-B	Shunya Kawamori	INVOLVEMENT OF GLYCOLYSIS IN SUPPRESSION OF MOUSE FOLLICULAR ATRESIA		
162-B	Motoharu Aoki	GLUCONEOGENESIS DURING DEVELOPMENT OF <i>XENOPUS TROPICALIS</i>		
166-B	Yuto Nakagawa	ZEBRAFISH KLF11 PROMOTES EMBRYONIC GROWTH AND DEVELOPMENT VIA INDUCTION OF <i>SMADS</i> AND <i>INSB</i> EXPRESSION		
170-B	Kento Kikuchi	PRODUCTION AND <i>IN VIVO</i> EFFECT OF RECOMBINANT RAINBOW TROUT INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN-1A AND -1B		
174-B	Ayaka Senzui	EFFECTS OF ALTERNATIVE PROTEINS ON FEEDING MECHANISMS IN YELLOWTAIL		
178-B	Kyuhoo Lee	APPLICATION OF 500 NM WAVELENGTH LED IN OLIVE FLOUNDER (<i>PARALICHTHYS OLIVACEUS</i>) AQUACULTURE: ENHANCING GROWTH AND MODULATING REPRODUCTIVE ENDOCRINOLOGY		
182-B	Sota Watanabe	EFFECTS OF EARLY PHOTOPERIOD MANIPULATIONS ON THE LIFE HISTORY PATTERNS AND THE SOMATOTROPIC SYSTEM IN MASU SALMON (<i>ONCORHYNCHUS MASOU</i>)		
186-B	Erin Lea Legacki	STEROIDOGENESIS IN ATLANTIC SALMON TISSUE AT THE TIME OF SPAWNING		
190-B	Takafumi Kodama	SYNTHESIS OF GLUCOSE AND TREHALOSE IN THE ROTIFER (<i>BRACHIONUS PLICATILIS</i>)		
194-B	Tongchai Thitiphuree	ULTRASTRUCTURE AND SEASONAL TESTICULAR CHANGES IN THE THORNY OYSTER'S REPRODUCTIVE CYCLE		
198-B	Azreen Syazana Binti Nazaruddin	SEARCHING FOR GENES IN RESPONSE TO VITELLOGENESIS-INHIBITING HORMONE OF THE KURUMA PRAWN <i>MARSUPENAEUS JAPONICUS</i>		
202-B	Asami Kajimoto	TRANSCRIPTOMIC INSIGHTS INTO SEX-SPECIFIC MORPHOLOGY AND SETTLEMENT IN THE RHIZOCEPHALAN BARNACLE <i>PELTOGASTERELLA GRACILIS</i>		
206-B	Tabinda Islam	FUNCTIONAL CHARACTERISATION OF KISSPEPTIN-TYPE SIGNALLING IN AN ECHINODERM	SO7	
210-B	Akira Shiraishi	REVEALING THE DIVERSE PATTERNS AND EVOLUTIONARY SCENARIOS OF PEPTIDE-GPCR INTERACTIONS THROUGH A HOMOLOGY-INDEPENDENT MACHINE LEARNING APPROACH		











Poster: Group C, July 9 (Wed) 16:35-17:35, Venue 4







Pres. No.	Name	Title	Oral Presentation	Poster Award Nominee
3-C	Yoshitaka Imamichi	GENE EXPRESSION CHANGES OF PROSTAGLANDIN D SYNTHASES IN MOUSE OVARY		
7-C	Tohru Kobayashi	EFFECTS OF ESTROGEN SIGNALING DISRUPTION ON GONADAL SEX DIFFERENTIATION AND DEVELOPMENT IN MEDAKA, <i>ORYZIAS LATIPES</i>		
11-C	Keisuke Sawada	CORTISOL AS A POTENTIAL TRANSCRIPTIONAL REGULATOR OF GONADAL AROMATASE DURING SEX DIFFERENTIATION IN PEJERREY		
15-C	Hidefumi Nakase	CORTISOL ENHANCES THE ACTIVATION OF AROMATASE GENE TRANSCRIPTION BY FOXL2A, SF-1, AND FSH SIGNALING		
19-C	Tapas Chakraborty	MOLECULAR DYNAMICS OF SEXUAL PLASTICITY REGULATION IN FISH: AN UNDERSTANDING FROM GONOCORISTIC FISH		
23-C	Peng-Wei Tseng	MOLECULAR REGULATION OF SEXUAL FATE DETERMINATION IN HERMAPHRODITIC FISH: INSIGHTS FROM THE PROTANDROUS BLACK PORGY		
27-C	Yasushi Shibata	GENE EXPRESSION PATTERNS IN MEDAKA (<i>ORYZIAS LATIPES</i>) OVARIAN FOLLICLES DURING LATE VITELLOGENESIS, OOCYTE MATURATION AND PRE-OVULATION		
31-C	Sohan Md Sohanur Rahman	BIOCHEMICAL CHARACTERIZATION OF ZEBRAFISH MEMBRANE PROGESTIN RECEPTOR 1 (PAQR5B) INVOLVED IN NEURONAL CELL DIFFERENTIATION		
35-C	Kota Abe	SEX-DEPENDENT REGULATION OF VERTEBRATE SOMATIC GROWTH AND AGING BY GERM CELLS	YO1	
39-C	Hongxia Hu	THE RESEARCH MILESTONES IN SEX DIFFERENTIATION AND GONAD DEVELOPMENT OF STURGEON		
43-C	Shunsuke Seki	EXPLORATION OF TRANSCRIPTION FACTORS IN KISSPEPTIN NEURONS INVOLVED IN GNRH/LH SURGE GENERATION IN FEMALE RATS		
51-C	Kohei Ochiai	ANALYSIS OF REGULATORY MECHANISM OF SEXUAL MATURATION IN AN ANNUAL GOBIIDAE FISH HAVING THE STRATEGY OF LETHAL REPRODUCTION		
55-C	Arjan P. Palstra	RECOMBINANT GONADOTROPINS FOR THE ASSISTED REPRODUCTION OF THE EUROPEAN EEL		
59-C	Yushin Yamashita	GENOME EDITING AND RECOMBINANT FOLLICLE-STIMULATING HORMONE (FSH) FOR STERILIZATION AND REPRODUCTIVE CONTROL OF CHUB MACKEREL		
63-C	Mana Yamakawa	TRH CAN BE A POTENT HYPOTHALAMIC STIMULATOR OF ACTH RELEASE FROM PITUITARY IN MEDAKA		
67-C	Yuki Selene Saito	COMPREHENSIVE ANALYSES OF GENE EXPRESSION IN THE BRAIN, PITUITARY GLAND AND GILL OF AYU (<i>PLECOGLOSSUS ALTIVELIS</i>) DURING MIGRATION BY LASI-SEQ		
71-C	Yuma Katada	COMPARATIVE ANALYSIS OF REGIONAL DIFFERENCES IN SPAWNING RHYTHMS OF GRASS PUFFER		

Pres. No.	Name	Title	Oral Presentation	Poster Award Nominee
75-C	Ji-Hye Lee	PHOTOPERIOD AND LUNAR PHASE REGULATE CLOCK GENE EXPRESSION IN RETINA AND HYPOTHALAMUS OF EEL (<i>ANGUILLA JAPONICA</i>)		
79-C	Yu Takeuchi	PHOTOPERIOD-INDUCED MORPHOLOGICAL ALTERATIONS IN THE PARS TUBERALIS OF RAT, A NON-PHOTOPERIODIC ANIMAL		
83-C	An Chi Chen	MELATONIN THERAPY TARGETING THE CRM1/HMGB1/TLR4 PATHWAY IN NEUROPATHIC PAIN ANIMAL MODEL		
87-C	Shunsuke Okada	A SUBPOPULATION OF HYPOTHALAMIC NEURONS EXPRESSING NPGM MODULATES LIPID DEPOSITION		
91-C	Akie Hamamoto	ANALYSIS OF DOPAMINE RECEPTOR 5 (DR5) CILIARY DYNAMICS AND INTRACELLULAR SIGNALING ON PRIMARY CILIA		
95-C	Na Wang	BRAIN DIFFERENTIATION, EPIGENETIC REGULATION AND NEUROTRANSMISSION BIASES UNDERLYING SEXUAL DIMORPHISM OF FLATFISH		
99-C	Taichi Suzuki	IDENTIFICATION OF GPR37L1-EXPRESSING CELLS IN THE ANTERIOR PITUITARY GLAND OF RATS		
103-C	Ryutaro Moriyama	AMPK/SIRT1/FOXO1 SIGNALING PATHWAY IS INVOLVED IN THE SUPPRESSION OF GENE EXPRESSION OF GONADOTROPIC HORMONES DURING GLUCOPRIVATION IN MOUSE GONADOTROPHS		
107-C	Ying-Jey Guh	SINGLE-CELL TRANSCRIPTOMIC MAPPING OF HORMONE RECEPTOR EXPRESSION IN GILL IONOCYTES OF MARINE MEDAKA (<i>ORYZIAS MELASTIGMA</i>)		
111-C	Natsuki Nakajima	EVALUATING THE ROLE OF BRANCHED-CHAIN AMINO ACIDS DURING SEAWATER ACCLIMATION IN JAPANESE EELS		
115-C	Masakazu Suzuki	MOLECULAR BIOLOGICAL ANALYSIS OF TRANSDERMAL WATER TRANSPORT IN ANURAN AMPHIBIANS		
119-C	Christopher Loretz	EVOLUTIONARY AND FUNCTIONAL ORIGINS OF THE VERTEBRATE CALCIUM-SENSING RECEPTOR (CASR), A KEY SENSOR IN ENDOCRINE REGULATION OF CALCIUM HOMEOSTASIS		
123-C	Aira Sasaki	ROLE OF CREB IN CATCH-UP GROWTH INDUCED BY ENVIRONMENTAL OXYGEN FLUCTUATION IN ZEBRAFISH EMBRYOS		
127-C	Kaito Tamura	ROLE OF A NEURODEGENERATIVE DISEASE-RELATED GENE CWF19L1 IN MOTOR FUNCTION AND EARLY LARVAL PHYSIOLOGY IN ZEBRAFISH		
131-C	Mitsuyo Kishida	NITRATE AND NITRITE EXPOSURE INDUCES ESTROGEN RECEPTOR-MEDIATED CARDIOVASCULAR DEFECTS IN EARLY ZEBRAFISH DEVELOPMENT: POTENTIAL INVOLVEMENT OF OXIDATIVE STRESS		
135-C	Qian Zhou	MULTI-OMICS ANALYSES REVEAL NEW MOLECULAR MECHANISM UNDERLYING VIBRIOSIS RESISTANCE IN FISH		
139-C	Reiko Okada	POSSIBLE INVOLVEMENT OF GLUCOSE AND TRH-TSH SYSTEM IN FREEZE TOLERANCE IN THE JAPANESE TREE FROG <i>HYLA JAPONICA</i>		
147-C	Marina Yamadera	THYROID HORMONE REGULATION OF MYOGENIC DIFFERENTIATION IN <i>XENOPUS</i>		
151-C	Yuriko Sudo	EXPRESSION PROFILES OF THE PRL1A AND PRL1B GENES IN THE PITUITARY GLAND OF THE LARVAE OF THE SPANISH RIBBED NEWT		
155-C	Narattaphol Charoenphandhu	POTENTIAL CALCITROPIC ACTION OF FIBROBLAST GROWTH FACTOR-21 ON INTESTINAL CALCIUM TRANSPORT		
159-C	Yasuko Tobari	MORPHOLOGICAL AND HORMONAL CHARACTERIZATION OF WILD-DERIVED STRAINS OF JAPANESE QUAIL		
163-C	Kotone Nakayama	INFLUENCE OF INSULIN B EXPRESSED IN THE EARLY DEVELOPMENTAL ZEBRAFISH EMBRYO		
167-C	Lingling Zhou	GENETIC ANALYSIS OF TGFβ TYPE II RECEPTORS IN ZEBRAFISH DEVELOPMENT AND REPRODUCTION		
175-C	Yuki Oka	HIGH-FAT DIET MODULATES FEEDING BEHAVIOR AND METABOLISM IN MEDAKA		
179-C	Jihun Kim	SEASONAL REGULATION OF BPG AXIS BY FOOD AVAILABILITY IN PEARL-SPOT CHROMIS (<i>CHROMIS NOTATA</i>)		
183-C	Ken Ueno	STAGE-SPECIFIC EFFECTS OF DIETARY ADMINISTRATION OF CHUM SALMON GROWTH HORMONE ON GROWTH PERFORMANCE AND SMOLTIFICATION IN MASU SALMON (<i>ONCORHYNCHUS MASOU MASOU</i>)		
187-C	Marty Kwok Shing Wong	AN INCREASE IN SALINITY PLASTICITY AT EARLY ALEVIN STAGES INDICATES THE SMOLTIFICATION WINDOW IN CHUM SALMON		
191-C	Zhi Li	UNCOVERING THE NERVOUS REGULATION OF SHELL BIOMINERALIZATION IN THE MEDITERRANEAN MUSSEL (<i>MYTILUS GALLOPROVINCIALIS</i>)		
195-C	Zakea Sultana	MOLECULAR CHARACTERIZATION OF BURSICON IN THE PACIFIC WHITELEG SHRIMP, <i>LITOPENAEUS VANNAMEI</i>		
199-C	Wen Yuan Zhang	REGULATORY ROLE OF CRUSTACEAN HYPERGLYCEMIC HORMONE (CHH) IN ANAEROBIC AND AEROBIC METABOLIC TACTICS OF <i>XENOGRAPUS TESTUDINATUS</i> FROM KUEISHAN ISLAND HYDROTHERMAL VENTS		
203-C	Dušan Žitňan	NEUROPEPTIDE-RECEPTOR PATHWAYS CONTROLLING FEEDING, DIGESTION AND REPRODUCTION IN TICKS		
207-C	Kite Jones	DISCOVERY OF A NOVEL SECRETIN FAMILY-RELATED NEUROPEPTIDE SIGNALLING SYSTEM IN AN ECHINODERM		

Poster: Group D, July 11 (Fri) 16:35-17:35, Venue 4

Pres. No.	Name	Title	Oral Presentation	Poster Award Nominee
4-D	Hiroka Takeda	ROLE OF THE CELL-CELL JUNCTION DURING FOLLICULAR GROWTH IN THE MOUSE OVARY		
8-D	Kun Wu	DISRUPTING AMH AND ANDROGEN SIGNALING REVEALS THEIR DISTINCT ROLES IN ZEBRAFISH GONADAL DIFFERENTIATION AND GAMETOGENESIS		

Pres. No.	Name	Title	Oral Presentation	Poster Award Nominee
12-D	Linyan Zhou	FUNCTIONAL ROLES OF TWO PARALOGOUS CYP17A IN SEX DETERMINATION, GAMETOGENESIS AND MATURATION IN NILE TILAPIA		
16-D	Yu-kyeong Seo	EXPRESSION RATIOS OF SEX-SPECIFIC GENES ENABLE EARLY SEX IDENTIFICATION IN OLIVE FLOUNDER (<i>PARALICHTHYS OLIVACEUS</i>)		
20-D	Shunsuke Kozono	IDENTIFICATION OF STEM CELL-RELATED GENES IN THE GONADS OF CHUB MACKEREL (<i>SCOMBER JAPONICUS</i>) AND THEIR POTENTIAL AS GERMLINE STEM CELL MARKERS		
24-D	Guan-Chung Wu	MOLECULAR REGULATION OF SEXUAL FATE REPROGRAMMING IN OOCYTE-SURROUNDING CELLS: INSIGHTS FROM BLACK PORGY TESTIS REGENERATION		
28-D	Sou Kuwabara	THE EFFECT OF PACAP1 KNOCKOUT AND LOCALIZATION OF PACAP IN THE ZEBRAFISH OVARY		
32-D	Mohammad Tohidul Amin	FINDING OF A NOVEL NONSTEROIDAL ANTAGONIST FOR MEMBRANE PROGESTERONE RECEPTOR α (PAQR7) FROM MARINE ALGAE, <i>PADINA ARBORESCENS</i>	SO4	
36-D	Kazuki Tousaka	SEXUAL DIMORPHIC EXPRESSION PATTERN OF SEX DIFFERENTIATION-RELATED GENES AND THE W-CHROMOSOME-SPECIFIC GENE DURING GONADAL SEX DIFFERENTIATION IN KALUGA STURGEON (<i>HUSO DAURICUS</i>)		
40-D	Ryotaro Inoue	HIERARCHICAL DEVELOPMENT AND STEROID SYNTHESIS OF OVARIAN FOLLICLES IN CLOUDY CATSHARK	SO6	
44-D	Yuki Otsuka	EXPLORATION OF A G PROTEIN-COUPLED RECEPTOR INVOLVED IN THE LIPOPOLYSACCHARIDE-INDUCED SUPPRESSION OF LUTEINIZING HORMONE PULSES IN FEMALE RATS		
48-D	Tomomi Kato	SEXUAL DIFFERENCES IN THE GENE EXPRESSION OF NEUROPEPTIDES ON SEX CHROMOSOMES IN CHICKEN BRAIN		
52-D	Kana Ikegami	ANATOMICAL DISTRIBUTION OF CANNABINOID RECEPTOR 1 IN THE BRAIN OF FEMALE MEDAKA FISH (<i>ORYZIAS LATIPES</i>)		
56-D	Keita Furukawa	GENERATION OF FSH-PRODUCING HEPA-E1 CELLS AND SEARCH FOR HIGHLY ACTIVE PROMOTERS IN HEPA-E1 CELLS		
60-D	Kyle Dominic Eguid Barnuevo	TRPV1-MEDIATED REGULATION OF FSHB EXPRESSION IN CHUB MACKEREL	SO8	
64-D	Taijun Myosho	<i>THYROID-STIMULATING HORMONE BETA SUBUNIT A</i> KNOCKOUT MEDAKA ARE STERILE IN BOTH FEMALES AND MALES DUE TO THYROID HORMONE DEFICIENCY		
68-D	Koki Ito	STUDY ON TBX PROTEIN IN MEDAKA		
72-D	Nagisa Takai	IDENTIFICATION OF 12HR ULTRADIAN GENES IN FISH AND MAMMALS		
76-D	Tae-Young- Ahn	ESTROGEN RECEPTOR EXPRESSION AND EYE MORPHOLOGICAL CHANGES DURING SEXUAL MATURATION OF EEL (<i>ANGUILLA JAPONICA</i>)		
80-D	Kazuki Watanabe	A MELATONIN METABOLITE N1-ACETYL-5-METHOXYKYNURAMINE REGULATES MEMORY-RELATED FACTORS ON SH-SY5Y HUMAN NEUROBLASTOMA CELLS; THE MECHANISMS ON FACILITATING MEMORY FORMATION		
84-D	Mei-ci Chen	THE PROTECTIVE ROLES OF MELATONIN IN ANTI-INFLAMMATION OF COMPLETE FREUND'S ADJUVANT (CFA) THROUGH LSD1/H3K4ME2/NF-KB PATHWAY		
88-D	Masaki Kato	NEUROSECRETORY PROTEIN GM INHIBITS GENE EXPRESSION OF EGG YOLK PRECURSOR PROTEIN AND PROMOTES FAT ACCUMULATION IN THE FEMALE JAPANESE QUAIL		
92-D	Rintaro Takahashi	PRIMARY CILIARY DYNAMICS AND DEPRESSIVE-LIKE BEHAVIORS UNDER STRESS IN MICE		
96-D	Kanta Mizusawa	PIGMENT RESPONSE IN THE SCALE MELANOPHORES OF TWO KOI CARP VARIETIES		
100-D	Takashi Nakakura	ROLE OF COLLAGEN XIII AT THE NEUROVASCULAR JUNCTIONS OF THE POSTERIOR PITUITARY		
104-D	Shiro Sugino	DEVELOPMENT OF A NOVEL HIGHLY SENSITIVE VASOPRESSIN (AVP/VP/ADH) ELISA		
108-D	Tomoaki Ishiguro	THE HOMEOSTASIS OF THE CIRCULATORY SYSTEM AND PERIPHERAL ERYTHROCYTES IN SEAWATER-ADAPTED MEDAKA		
112-D	Miyu Shoda	C-TYPE NATRIURETIC PEPTIDE 4B-EXPRESSING NEURONS IN THE MEDULLA OBLONGATA MODULATE ESOPHAGEAL MUSCLE TONE IN JAPANESE EELS	SO10	
116-D	Md Main Uddin Mamun	EFFECTS OF DEHYDRATION ON AQUAPORIN EXPRESSION IN THE DIGESTIVE TRACT OF THE JAPANESE TREE FROG (<i>DRYOPHYTES JAPONICUS</i>)		
120-D	Susumu Hyodo	OSMOREGULATORY ROLES OF KIDNEY IN CARTILAGINOUS FISH EURYHALINITY		
124-D	Saki Miyama	ROLE OF <i>TFCP2L1</i> IN HYPOXIA/REOXYGENATION-INDUCED CATCH-UP GROWTH IN ZEBRAFISH EMBRYO		
128-D	Gin Sodeyama	EFFECTS OF HYPOXIA ON DNMTS AND DNA METHYLATION DURING DEVELOPMENT OF ZEBRAFISH		
132-D	Kurumi Fujiwara	MORPHOLOGICAL ANALYSIS OF GILL IN OGR1 KO ZEBRAFISH		
136-D	Wensheng Li	ROLE OF NEUROPEPTIDE Y IN THE IMMUNE RESPONSE OF TILAPIA		
140-D	Chisato Yatsuda	THE RELATIONSHIP AMONG EXPRESSION OF STRESS-INDUCED SOCIAL BEHAVIOR, HPA RESPONSE, AND BASELINE HPA ACTIVITY IN CROWS		
144-D	Mengchen Zhang	RECIPROCAL REGULATIONS BETWEEN HYPOXIA RESPONSE AND CIRCADIAN RHYTHM CONTRIBUTE TO THE ADAPTATION OF SUBTERRANEAN RODENTS		
148-D	Emma Field	TRANSCRIPTIONAL AND TRANSLATIONAL INHIBITION REVEAL DIFFERENTIAL EFFECTS OF TEMPERATURE ON INDUCTION OF THYROID HORMONE BIOINDICATOR TRANSCRIPTS IN <i>RANA CATESBEIANA</i> TADPOLE OLFACTORY EPITHELIUM	SO11	

Pres. No.	Name	Title	Oral Presentation	Poster Award Nominee
152-D	Elisabeth Eppler	EVOLUTIONARY ASPECTS OF SKELETAL AND MUSCLE MORPHOLOGY OF THE SHOULDER GIRDLE		
156-D	Hibiki Fukuchi	DISTINCT SECRETION PROFILES OF ASIP AND AGRP: MOLECULAR INSIGHTS INTO ENDOCRINE AND PARACRINE SIGNALING		
160-D	Nanako Makihara	JAPANESE QUAILS WITH DIFFERENT BLOOD GLUCOSE LEVELS HAVE DIFFERENT ANTIOXIDANT GENE EXPRESSION: AN RNA-SEQ ANALYSIS		
164-D	Keita Sameshima	EFFECTS OF GLYCOGEN SYNTHASE 2 DEFICIENCY IN ZEBRAFISH		
168-D	Yingyi Wu	MUTATIONS IN GLUCOCORTICOID AND MINERALOCORTICOID SYNTHASE AND RECEPTORS RESULT IN VIABLE MUTANTS IN FISH		
172-D	Mia Milsom	LIVER HEALTH IN FARMED CHINOOK SALMON (<i>ONCORHYNCHUS TSHAWYTSCHA</i>): A POTENTIAL RELATIONSHIP WITH GHRELIN?		
176-D	Kouyou Fujishiro	EVALUATION OF FEEDING AND ENDOCRINE ASPECTS IN MEDAKA UNDER HIGH-DENSITY REARING		
180-D	Ryo Takeuchi	PERFORMANCE TESTING AND GENOME-WIDE OFF-TARGET ASSESSMENT ON ARGININE VASOTOCIN RECEPTOR V1A2-KNOCK OUT <i>SCOMBER JAPONICUS</i>		
184-D	Moeka Hayashi	ALL-FEMALE TRIPROID MASU SALMON: ITS PHYSIOLOGICAL AND FOOD CHEMICAL CHARACTERISTICS		
188-D	Marty Kwok Shing Wong	SPAWNING BEHAVIOR IN FISH INFERRED BY ENVIRONMENTAL RNA		
192-D	Yifeng Li	NEUROTRANSMITTER-MEDIATED REGULATION OF BYSSAL SECRETION IN THE MUSSEL <i>MYTILUS CORUSCUS</i>		
196-D	Bong Jung Kang	EVALUATION OF RNA INTERFERENCE AND HORMONAL ADMINISTRATION ON OVARIAN MATURATION IN THE PACIFIC WHITELEG SHRIMP, <i>LITOPENAEUS VANNAMEI</i>		
200-D	Natsumi Maruoka	INTRASPECIFIC VARIATION IN RESPONSIVENESS TO JUVENILE HORMONE MAY UNDERLIE DIFFERENCES IN DIAPAUSE STRATEGY AMONG <i>DAPHNIA</i> POPULATIONS		
204-D	Shuichiro Watanabe	EVALUATION OF IMMERSION AND GAS-LIQUID INTERFACE CULTURE METHODS FOR MAINTAINING PHYSIOLOGICAL ACTIVITY IN SEA URCHIN GONAD		
208-D	Tomohiro Osugi	GONADOTROPIN-RELEASING HORMONE AND PHOTORECEPTION SYSTEM ARE ASSOCIATED WITH GAMETE RELEASE IN <i>CIONA ROBUSTA</i>		