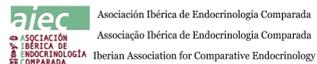
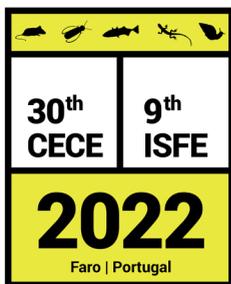


*September 4-8, 2022*

# WELCOME & PROGRAM

*Kindly sponsored by*





# 30<sup>th</sup> CECE & 9<sup>th</sup> ISFE

## Joint Conference of the European Society for Comparative Endocrinology and of the International Society for Fish Endocrinology

### Welcome!

We are delighted to welcome you to the 30<sup>th</sup> CECE & 9<sup>th</sup> ISFE, our first in person meeting since the Covid 19 pandemic and we hope it will be a memorable experience scientifically and socially as we have planned a diverse programme and will have participants from all over the world.

The 30<sup>th</sup> CECE and 9<sup>th</sup> ISFE should have taken place separately in 2020 but were postponed due to the pandemic. By joining forces, the European Society for Comparative Endocrinology, the International Society for Fish Endocrinology, and the International Federation of Comparative Endocrinology Societies, made it possible for us to assemble this magnificent programme.

This was possible through the dedication of the symposium organizers, invited speakers and comparative endocrinologists and I thank them all. We feel sure you will enjoy the conference and will take advantage of the quiet and beautiful environment around Faro and the Algarve region.

Adelino Canário

### SCIENTIFIC PROGRAM

Sunday, September 4 <sup>th</sup>	
15:00	REGISTRATION DESK OPEN
16:00	WELCOME CEREMONY
16:30-17:15	PLENARY I - <i>The multifaceted role of growth hormone in salmonid physiology and behavior</i> <b>Thrandur Bjornsson</b> Chair: Mark Sheridan <i>(Vincent Wigglesworth room)</i>
17:15-18:30	WELCOME COCKTAIL

Monday, September 5<sup>th</sup>

08:00	REGISTRATION DESK OPEN		
08:30-09:15	<p>PLENARY II- <i>Neuroendocrine mechanisms of seasonal life-history transitions</i>  <b>Deborah I. Lutterschmidt</b> (Pickford Medal – IFCES award)            Chair: James Carr  <i>(Vincent Wigglesworth room)</i></p>		
Parallel Sessions	<p><b>S1- <i>Invertebrate hormones and behaviours</i></b>            Chairs: Angela Lange &amp; Ian Orchard  <i>(Vincent Wigglesworth room)</i></p>	<p><b>S2- <i>Stress Axis: Molecular and Cellular Regulation of the HPI/HPA Axis</i></b>            Chairs: Bob Dores &amp; Matt Vijayan  <i>(Grace Pickford room)</i></p>	<p><b>S3- <i>Cell Plasticity, Stemness, Differentiation</i></b>            Chairs: Yong Zhu, Ramji Bhandari &amp; Yonghua Sun  <i>(Howard Bern room)</i></p>
09:15-09:45	<p><b>SOTA 1 - <i>Discovering missing links in neuropeptide evolution and function: insights from echinoderms.</i></b>   <b>Maurice Elphick</b></p>	<p><b>SOTA 3 - <i>Novel insights into the action of corticosteroid receptors from knockout zebrafish.</i></b>   <b>Matt Vijayan</b></p>	<p><b>SOTA 5 - <i>Regulation of cellular plasticity by IGF and calcium signaling: New insights from fish ionocytes.</i></b>   <b>Cunming Duan</b></p>
09:45-10:00	<p><b>O1- <i>Localisation of relaxin-like gonad-stimulating peptide expression in starfish: are the gonoducts the physiological source for its role as a regulator of spawning?</i></b>  <b>Yuling Feng</b></p>	<p><b>O7- <i>Multifactorial hypophysiotropic regulation of the HPI axis in Atlantic salmon.</i></b>   <b>Nicholas Bernier</b></p>	<p><b>O13- <i>Egg thermal regime modifies the endocrine response to food deprivation of the European seabass.</i></b>   <b>Ana Patricia Mateus</b></p>
10:00-10:15	<p><b>O2- <i>An Ancient thyrostimulin-like signaling system regulates growth in C. elegans.</i></b>   <b>Signe Kenis</b></p>	<p><b>O8- <i>Regulation of fish neural melanocortin receptors by melanocortin-2 receptor accessory protein 2.</i></b>  <b>Ya-Xiong Tao</b></p>	<p><b>O14- <i>Adams9 is critical for the development of primary ovarian follicles.</i></b>   <b>Jonathan Carver</b></p>
10:15-10:30	<p><b>O3- <i>Knockdown of Halloween genes spook, shadow and shade affect the length/width ratio of oocytes and eggs in the desert locust, Schistocerca gregaria.</i></b>  <b>Sam Schellens</b></p>	<p><b>O9- <i>Trends in the evolution of the melanocortin-2 accessory protein, MRAP1.</i></b>   <b>Robert M. Dores</b></p>	<p><b>O15- <i>Regenerative angiogenesis and neurogenesis after zebrafish telencephalon injury: deleterious effects of chronic hyperglycemia.</i></b>   <b>Danielle Fernezlian</b></p>
10:30-11:00	COFFEE BREAK		
11:00-11:30	<p><b>SOTA 2 - <i>Advances in understanding juvenile hormone biology.</i></b>   <b>Fernando G. Noriega</b></p>	<p><b>SOTA 4 - <i>Evolution of ligand selectivity for the melanocortin-2 receptor: implication for the hpa/hpi axis of vertebrates.</i></b>  <b>Ciaran Shaughnessy</b></p>	<p><b>SOTA 6 - <i>Molecular modules that create eggs after sex determination of germ cells.</i></b>   <b>Tanaka Minoru</b></p>
11:30-11:45	<p><b>O4- <i>Mechanisms of neuropeptidergic regulation of reproductive physiology in starfish.</i></b>   <b>Victor Manuel Piñon Gonzalez</b></p>	<p><b>O10- <i>Osmoregulatory response induced by hypersaline challenge is modulated by corticosteroids, cortisol and dexamethasone, in the gilthead seabream.</i></b>  <b>Andre Barany Ruiz</b></p>	<p><b>O16- <i>Molecular mechanism of sexual plasticity in fish: a viewpoint from a natural sex changing fish.</i></b>   <b>Tapas Chakraborty</b></p>
11:45-12:00	<p><b>O5- <i>The role of the bivalve calcitonin (CALC) peptides in shell building and recovery.</i></b>   <b>Zhi Li</b></p>	<p><b>O11- <i>Impact of ocean acidification on the neuroendocrine response to an acute stress in a teleost fish.</i></b>   <b>Arianna Servili</b></p>	<p><b>O17- <i>Characterization of early events of puberty in female European sea bass (Dicentrarchus labrax) and the role of the transcriptional coactivator ncoa7.</i></b>  <b>Cinta Zapater</b></p>
12:00-12:15	<p><b>O6- <i>Evolutionarily conserved neuropeptidergic signalling systems in nematodes.</i></b>  <b>Luca Golinelli</b></p>	<p><b>O12- <i>Effect of climatic and estrogenic stress on the life cycle and physiology of an estuarine fish.</i></b>  <b>Jimmy Devergne</b></p>	
12:15-13:30	LUNCH		

## AFTERNOON

13:45-14:30	<p><b>PLENARY III- Reflections on fundamental and translational research in fish reproductive biology</b>  <b>Yoni Zohar</b> (RE Peter Lecture – ISFE award)            Chair: Abigail Elizur  <i>(Vincent Wigglesworth room)</i></p>		
Parallel Sessions	<p><b>S4- Thyroid hormone actions in vertebrate development</b>            Chairs: Aurora Vidal, Veerle Darras &amp; Hamid Habibi  <i>(Vincent Wigglesworth room)</i></p>	<p><b>S2- Stress Axis: Molecular and Cellular Regulation of the HPI/HPA Axis</b>            Chairs: Bob Dores &amp; Matt Vijayan  <i>(Grace Pickford room)</i></p>	<p><b>S3- Cell Plasticity, Stemness, Differentiation</b>            Chairs: Yong Zhu, Ramji Bhandari &amp; Yonghua Sun  <i>(Howard Bern room)</i></p>
14:30-15:00	<p><b>SOTA 7- How early are T3 effects upon central nervous system myelination?</b>  <b>Aurea Orozco</b></p>	<p><b>SOTA 9- Across the metamorphic divide: developmental mechanisms underlying the stress-induced susceptibility hypothesis in amphibians.</b>  <b>Erica Crespi</b></p>	<p><b>SOTA 11- Epigenetics in the diversity of sexual systems and sex determining mechanisms in fish.</b>  <b>Francesc Piferrer</b></p>
15:00-15:15	<p><b>O18- Thyroid hormone (T3) is involved in intestinal development during SW acclimation of Atlantic salmon.</b>  <b>Vilma Duarte</b></p>	<p><b>O24- Itch and its Molecular/Functional Evolution.</b>  <b>Keiko Takanami</b></p>	<p><b>O30- GDNF acts as a germ cell growth factor and regulates zebrafish germ stem cell niche in autocrine- and paracrine-dependent manners.</b>  <b>Lucas Doretto</b></p>
15:15-15:30	<p><b>O19- The thyroid axis participates in temperature-induced sex reversal through its activation by the stress axis in the medaka.</b>  <b>Juan Fernandino</b></p>	<p><b>O25- CRHR1 integrates the temperature-induced hormonal and metabolic response in zebrafish.</b>  <b>Zachary Shvartsburd</b></p>	<p><b>O31- Steroidogenic activity of anti-müllerian hormone in European sea bass (<i>Dicentrarchus labrax</i>) males.</b>  <b>Alessia Mascoli</b></p>
15:30-15:45	<p><b>O20- Maternal thyroid hormones affect zebrafish embryo development.</b>  <b>Maira da Silva Rodrigues</b></p>	<p><b>O26- Stress response in the silver catfish <i>Rhamdia quelen</i> to the interaction stocking density—feeding regimen.</b>  <b>Juan Miguel Mancera</b></p>	<p><b>O32- Molecular characterization of Siberian sturgeon ovarian sex differentiation.</b>  <b>André Lasalle</b></p>
15:45-16:15	<b>COFFEE BREAK</b>		
16:15-16:45	<p><b>SOTA 8- Role of thyroid hormones in the multifactorial control of reproduction and spermatogenesis in fish.</b>  <b>Hamid Habibi</b></p>	<p><b>SOTA 10- The stress of subordination: impacts of chronic social stress on HPI axis function in rainbow trout.</b>  <b>Kathleen Gilmour</b></p>	<p><b>SOTA 12 - Single cell transcriptomics in zebrafish with natural chromosomal sex determination.</b>  <b>John Postlethwait</b></p>
16:45-17:00	<p><b>O21- Identification of biomarkers of Thyroid Disruption in <i>Xenopus laevis</i> by transcriptomic analysis.</b>  <b>Alicia Tribondeau</b></p>	<p><b>O27- Serotonin plays a key role in the activation of the hypothalamic pituitary interrenal axis during high environmental ammonia exposure in the teleost model rainbow trout.</b>  <b>Mauro Chivite</b></p>	<p><b>O33- Two genes coding for gonadal soma-derived factors act in early gametogenesis in European sea bass.</b>  <b>Ana Gómez</b></p>
17:00-17:15	<p><b>O22- T2 effects upon gill remodelling during axolotl metamorphosis. what do transcriptomic analysis reveal?</b>  <b>Aurora Olvera Vidal</b></p>	<p><b>O28- The role of cortisol in the intestinal bicarbonate secretion of Atlantic salmon.</b>  <b>Pasqualina Gaetano</b></p>	<p><b>O34- Transcriptome analysis of a protandric hermaphrodite, the common snook (<i>Centropomus undecimalis</i>), during gonadal differentiation under sex steroid treatments.</b>  <b>Juliana Morena Bonita Ricci</b></p>
17:15-17:30	<p><b>O23- Deciphering the dialog between the environment and the brain during the metamorphosis of the clownfish <i>Amphiprion ocellaris</i>.</b>  <b>Mélanie Dussenne</b></p>	<p><b>O29- CART and CRH mediated responses in the brain of <i>Euphyctis cyanophlyctis</i> tadpoles subjected to natural pond drying.</b>  <b>Swapnil Shewale</b></p>	<p><b>O35- Increased biomaker discovery through a twist on the analysis of transcriptomic data during sexual development in the European sea bass, mouse, and humans.</b>  <b>Núria Sánchez Baizán</b></p>
17:30-18:15	<b>POSTER SESSION</b>		

Tuesday, September 6<sup>th</sup>

08:00	REGISTRATION DESK OPENS		
08:30-09:15	<p><b>PLENARY IV- Endocrine control of seawater adaptation in teleost fishes: How they gain water in the hypertonic environment.</b></p> <p><b>Yoshio Takei</b> (Bargmann-Scharrer Lecture – IFCES award) Chair: Robert M. Does (<i>Vincent Wigglesworth room</i>)</p>		
Parallel Sessions	<p><b>S5- Brain-pituitary interactions</b> Chairs: Paula Vissio &amp; Ignacio Fernandino (<i>Vincent Wigglesworth room</i>)</p>	<p><b>S6- Neuropeptides: new and emerging concepts</b> Chairs: Vance Trudeau &amp; Hervé Tostivint (<i>Grace Pickford room</i>)</p>	<p><b>S7- In memory of Christopher Cheng</b> Chairs: Deshou Wang, Chi Bun Chan &amp; Jianzhen Li (<i>Hybrid session</i>)(<i>Howard Bern room</i>)</p>
09:15-09:45	<p><b>SOTA 13 - Emerging questions on the teleost hypothalamic-pituitary system during developmental and adult stages.</b></p> <p><b>Paula Vissio</b></p>	<p><b>SOTA 15- Evolution and functions of urotensin II-related peptides.</b></p> <p><b>Hervé Tostivint</b></p>	<p><b>SOTA 17- Gonascin: a germline stem cell-derived hormone with glucogenic, orexigenic, and gonadal activities.</b></p> <p><b>Jianzhen Li</b></p>
09:45-10:00	<p><b>O36- The effect of day length on the regulation of pituitary gonadotrope cells in the teleost fish, medaka.</b> <b>Muhammad Rahmad Royan</b></p>	<p><b>O42- EFLA-type neuropeptide is produced by alternative trans-splicing in some insects.</b> <b>David Dolezel</b></p>	<p><b>SOTA 18- Spexin as a satiety factor: the story from fish to mouse model.</b></p>
10:00-10:15	<p><b>O37- Neuroendocrine effects of 17<math>\alpha</math>-ethynylestradiol during the early developmental stages of sea bass.</b> <b>Salima Aroua</b></p>	<p><b>O43- Neuropeptide precursors and G-protein coupled receptors in the bivalve mantle.</b> <b>João Cardoso</b></p>	
10:15-10:30	<p><b>O38- Exploring central and peripheral appetite-regulating peptides in the brain and gastrointestinal tract in grow-out Atlantic halibut.</b> <b>Endre Lygre</b></p>	<p><b>O44- Somatostatin signalling regulates germ cell number, fecundity, pancreatic cell proliferation and metabolism in zebrafish.</b> <b>Jie Chen</b></p>	<p><b>O48- Inhibin in fish reproduction – a molecule that should not be forgotten.</b></p> <p><b>Wei Ge</b></p>
10:30-11:00	COFFEE BREAK		
11:00-11:30	<p><b>SOTA 14- Pituitary plasticity in the teleost fish.</b></p> <p><b>Romain Fontaine</b></p>	<p><b>SOTA 16- Looking for the true love hormone: evidence that secretoneurin controls reproduction.</b></p> <p><b>Vance Trudeau</b></p>	<p><b>O49- Tilapia as a good model for studying comparative endocrinology.</b> <b>Deshou Wang</b></p>
			<p><b>O50- Neuropeptide Y in tilapia: Emphasis on the role of food intake.</b> <b>Wensheng Li</b></p>
11:30-11:45	<p><b>O39- Investigations on the role of brain aromatase in mediating behavioral defects following exposure to estrogenic chemicals in zebrafish.</b></p> <p><b>Mélanie Blanc</b></p>	<p><b>O45- Relaxin-like gonad-stimulating peptide family in asteroidea.</b></p> <p><b>Masotoshi Mita</b></p>	<p><b>O51- The roles of neuropeptides in fish reproduction.</b> <b>Yong Zhang</b></p>
			<p><b>O52- Dendrimer-small RNA drugs targeting renin-angiotensin system for cancer therapy.</b> <b>Leo Tsz On Lee</b></p>
11:45-12:00	<p><b>O40- Genotype-dependent activation of CRH-family genes during heat-induced masculinization in pejerrey <i>Odontesthes bonariensis</i>.</b> <b>Aaron Torres Martínez</b></p>	<p><b>O46- Rethinking the regulation of pre-ovulatory LH surge in female zebrafish: is the hypophysiotropic GnRH (gnrh3) dispensable?</b> <b>Sakura Tanaka</b></p>	<p><b>O54- In vivo drug discovery for increasing incretin-expressing cells identifies dyrk inhibitors that reinforce the enteroendocrine system.</b> <b>Lianhe Chu</b></p>
12:00-12:15	<p><b>O41- Impact of night shift work on brain function and morphology.</b></p> <p><b>Horst Werner Korf</b></p>	<p><b>O47- Impact of CRISPR/Cas 9 complete Secretogranin-ii gene knockout on neuropeptides and reproduction in zebrafish (<i>Danio rerio</i>).</b> <b>W.K.C Udeesha Erandani</b></p>	<p><b>O55- Multifaceted brain-derived neurotrophic factor – a growth factor in brain, a myokine, or an endocrine hormone?</b> <b>Chi Bun Chan</b></p>
12:15-13:30	LUNCH		

## AFTERNOON

13:30-13:40	<b>General Comparative Endocrinology, Elsevier</b> <b>Mark Sheridan (Editor)</b> <i>(Vincent Wigglesworth room)</i>		
13:45-14:30	<b>PLENARY V- Analyses of enhancers of non-model fishes provide the reason for the differentiation of GnRH1/3 neurons and FSH/LH cells</b> <b>Shinji Kanda</b> Chair: Vance Trudeau <i>(Vincent Wigglesworth room)</i>		
Parallel Sessions	<b>S8- Endocrine regulation of metabolism and growth</b> Chairs: Joaquim Gutierrez & Elizabeth Jonsson Sponsored by AIEC <i>(Vincent Wigglesworth room)</i> 	<b>S9- Integrative action of hormones</b> Chairs: Subhash Peter & Samantha Richardson  <i>(Grace Pickford room)</i>	
14:30-15:00	<b>SOTA 19- Swimming economy of fish and exercise-enhanced growth.</b> <b>Arjan P. Palstra</b>	<b>SOTA 20- From lampreys to multiple sclerosis and back again.</b> <b>Samantha Richardson</b>	
15:00-15:15	<b>O56- The absence of light and feeding-related synchronizers differently affects energy balance in goldfish.</b> <b>Nuria Saiz</b>	<b>O62- Leptin signaling promotes epimorphic regeneration in <i>Xenopus laevis</i>.</b> <b>Robyn E Reeve</b>	
15:15-15:30	<b>O57- Diabetes impairs reactive gliosis and increases extracellular matrix synthesis after ischemic stroke in mice.</b> <b>Julien Clain</b>	<b>O63- "The Snail, the Shark and the Whale": From Evolution to Endocrine Disruption.</b> <b>Filipe Castro</b>	
15:30-15:45	<b>O58- A multidisciplinary approach to investigate probiotic mitigation against chronic Bisphenol A exposure effects at hepatic and gut levels in <i>Danio rerio</i>.</b> <b>Christian Giommi</b>	<b>O64- Discovery of a prolactin-like in lampreys reveals the divergence of prolactin and growth hormone in jawless vertebrates.</b> <b>Ningping Gong</b>	
15:45-16:15	<b>COFFEE BREAK</b>		
16:15-16:45	<b>SOTA 21- The gut-brain axis in fish: from the detection of nutrients in the gut to the modulation of central appetite-regulatory systems.</b> <b>Ayelén M. Blanco</b>	<b>SOTA 22- Lessons from amphibians: TH action at metamorphosis.</b> <b>Nicolas Buisine</b>	
16:45-17:00	<b>O59- Therapeutic potential of the medicinal plant <i>Hypericum lanceolatum</i> lam. on metabolic disorders in zebrafish (<i>Danio rerio</i>) models.</b> <b>Laura Gence</b>	<b>O65- CART dynamics during croaking in the brain of anurans.</b> <b>Ketaki Chaturbhuj Shetye</b>	
17:00-17:15	<b>O60- Metabolic disorders impair brain homeostasis and neurogenesis.</b> <b>Nicolas Diotel</b>	<b>O66- Maternal transfer of microplastics in the yolk of loggerhead sea turtles (<i>Caretta caretta</i>) embryos and their correlation with development.</b> <b>Giorgia Gioacchini</b>	
17:15-17:30	<b>O61- Muscle and bone interaction after an injury in Gilthead Sea bream: implications of endocrine and regulatory factors in muscle regeneration.</b> <b>Joaquim Gutiérrez</b>	<b>O67- Evolutionary analysis of temperature receptor TRPV (transient receptor potential vanilloid) family with a special focus on "fish".</b> <b>Marina Morini</b>	
17:30 - 19:00	<b>POSTER SESSION</b>		

Wednesday, September 7<sup>th</sup>

08:00 REGISTRATION DESK OPENS

08:30-08:40 Journal of Experimental Biology, The Company of Biologists  
Kathleen Gilmour (Editor)  
(*Vincent Wigglesworth room*)



08:45-09:30 PLENARY VI- *Use of non-mammalian animal models for biomedical research*  
Hiroko Nishimura (Barrington-Kobayashi Lecture)  
Chair: Dan Larhammar  
(*Vincent Wigglesworth room*)

Parallel Sessions  
S10- *AKH and GnRH-related peptides in Metazoa – a tribute to Gerd Gäde*  
Chairs: Gerd Gäde, Heather Marco & Jean-Paul Paluzzi  
(*Vincent Wigglesworth room*)

S11- *Endocrine and paracrine regulation of gonad physiology*  
Chairs: Rüdiger Schulz & Chun Peng  
(*Grace Pickford room*)

09:30-10:00 SOTA 23 -*The long and short of the adipokinetic hormone/red pigment-concentrating hormone peptide family in insects.*  
Heather G. Marco

SOTA 25- *Nuclear progesterin receptor mediated linkage between coagulation and ovulation.*  
Yong Zhu

10:00-10:15 O68- *The unique C-mannosylated glycopeptide adipokinetic hormone of the indian stick insect.*  
Gerd Gäde

O74- *Impact of light pollution on male reproductive success in Japanese medaka.*  
Lauren Closs

10:15-10:30 O69- *Distribution and functional insight into adipokinetic hormone/corazonin-related peptide in the human disease vector, Aedes aegypti.*  
Jean-Paul Paluzzi

O75- *Putative role of the cerebellum and the vagal lobe as oscillators in goldfish.*  
Aitana Alonso Gómez

10:30-10:45 O70- *Chromactivating neuropeptides in crabs: neuroarchitectures, receptors, established and novel functions.*  
Simon Webster

10:45-11:15 COFFEE BREAK

11:15-11:45 SOTA 24-*The Adipokinetic hormone - gonadotropin releasing hormone family of peptides: role during postembryonic development of the desert locust.*  
Jozef Vanden Broeck

SOTA 26- *Endocrine and paracrine regulation of spermatogenesis.*  
Diego Crespo

11:45-12:00 O71- *Characterization of invertebrate gonadotropin-releasing hormone/corazonin in the mollusc Lymnaea stagnalis: evolutionary and functional implications.*  
István Fodor

O76- *Impaired leptin signalling disrupts oocyte maturation and ovulation in female zebrafish.*  
Emmanouil Tsakoumis

12:00-12:15 O72- *AKH signaling in the prothoracic gland alters development in response to larval nutritional stress.*  
Bryon N. Hughson

O77- *Searching for the relationship between body size and maturity in female European sea bass.*  
Laura Sempere

12:15-12:30 O73- *(antiviral) RNAi pathways in insects.*  
Dulce Santos

O78- *Expression analysis of receptors for glycoprotein hormones and of the thyrostimulin during spermatogenesis in the catshark, Scyliorhinus canicula.*  
Fabian Jeanne

12:30-13:45 LUNCH

## AFTERNOON

13:45-14:30	<b>PLENARY VII- Shape Shifting: thyroid hormones and developmental ontogeny in a changing world</b> <b>Deborah Power</b> Chair: Veerle Darras <i>(Vincent Wigglesworth room)</i>		
Parallel Sessions	<b>S12- Endocrine Biotechnology in Aquaculture</b> Chairs: Ana Gómez & Abigail Elizur <i>(Vincent Wigglesworth room)</i>	<b>S13- Endocrine disruption: current status and challenges</b> Chairs: Joachim Sturve & Patrícia Pinto <i>(Grace Pickford room)</i>	
14:30-15:00	<b>SOTA 27- Uses of biotechnology to control reproduction in Atlantic salmon.</b> <b>Anna Troedsson-Wargelius</b>	<b>SOTA 29- The challenge of evaluating endocrine disrupting chemicals for marine life.</b> <b>Ioanna Katsiadaki</b>	
15:00-15:15	<b>O79- A comparison of growth performance and hormone production of precocious and immature prepubertal female sea bass, <i>Dicentrarchus labrax</i>.</b> <b>Alicia Felip Edo</b>	<b>O85- Systematic evidence map of the effect of endocrine-disrupting chemicals on thyroid hormone measurements in mammals.</b> <b>Isabel Forner-Piquer</b>	
15:15-15:30	<b>O80- Can fish be artificially equipped with a secondary functional gonad?</b> <b>Issei Yahiro</b>	<b>O86- New endpoints for thyroid hormone system disruptor testing with fish.</b> <b>Lisa Baumann</b>	
15:30-15:45	<b>O81- Unveiling the potential of probiotics to mitigate the toxic effects of perfluorooctanoic acid on zebrafish development.</b> <b>Marta Lombó</b>	<b>O87- Past exposure effects on future generations' health: are future generations organisms safe at all?</b> <b>Ramji Bhandari</b>	
15:45-16:15	<b>COFFEE BREAK</b>		
16:15-16:45	<b>SOTA 28- Biotechnology in Aquaculture - Lessons from recombinant Hormones.</b> <b>Joseph Aizen</b>	<b>SOTA 30- Environmental estrogens interact with the growth hormone-insulin-like growth factor system to reduce seawater adaptation and retard growth of rainbow trout.</b> <b>Mark A. Sheridan</b>	
16:45-17:00	<b>O82- Reanalysis of gonadal transcriptome using sex markers reveals new genes involved in male sex differentiation of Siberian sturgeons.</b> <b>Denise Vizziano-Cantonnet</b>	<b>O88- Effects of atorvastatin and 17<math>\alpha</math>-ethinylestradiol on blood and liver lipids contents in brown trout juveniles.</b> <b>Tiago Lourenço</b>	
17:00-17:15	<b>O83- Transcriptome analysis of endocrine genes during sea bream (<i>S. aurata</i>) and sea bass (<i>D. labrax</i>) larval development in hatchery condition.</b> <b>Babak Najafpour</b>	<b>O89- What do ribosomes tell us about fish oocyte development during sex differentiation, oogenesis and xenoestrogenic exposure.</b> <b>Ibon Cancio</b>	
17:15-17:30	<b>O84- Transcriptomics points to an association between the HPT-axis and immune system maturation before and during <i>Senegalensis</i> sole larvae metamorphosis.</b> <b>Sandra C.Silva</b>	<b>O90- A structuring approach using bioassays to assess endocrine disruption activity in Quebec's effluents.</b> <b>Valerie S Langlois</b>	
17:30-18:00	<b>GENERAL ASSEMBLIES</b>		
18:15-18:45	<b>CLOSING OF CONFERENCE</b>		
20:00-23:00	<b>CONFERENCE DINNER (EVA SENSES - HOTEL)</b>		

Thursday, September 8<sup>th</sup>

09:00-12:00 SATELLITE WORKSHOP ([Registration required](#))

MODEL-EDC: 2<sup>nd</sup> Edition

Threats and tools for Endocrine Disrupting Pollutants in Marine Organisms

Organized by: Deborah Power, Patricia Pinto, Ioanna Katsiadaki,  
Joachim Sturve, Tiphaine Monsinjon

(*Vincent Wigglesworth room*)



09:00-10:00 *Overview on monitoring and testing of EDCs: position paper on gaps and priority areas*

10:00-11:00 *Discussion groups on monitoring and testing of EDCs*

11:00-11:30 **COFFEE BREAK**

11:30-12:00 *Summary notes and conclusions*

12:00-12:45 **LUNCH**

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P2	Samyar Ashoori	<i>Possible role of faeces in chemical communication in the Mozambique tilapia (<i>Oreochromis mossambicus</i>).</i>
P3	Paula Vissio	<i>The enigmatic saccus vasculosus. Characterization of this structure in <i>Cichlasoma dimerus</i>.</i>
P4	Alessia Mascoli	<i>A multidisciplinary approach to investigate the reproductive biology of European hake (<i>Merluccius merluccius</i>): the study case of males.</i>
P5	Ana Maria Coimbra	<i>Inhibition of <i>Eisenia fetida</i> reproduction during urban sewage sludge vermicomposting.</i>
P6	Francisco Prat	<i>Molecular characterization and expression of <i>gdnfa</i> and <i>gdnfb</i> and their putative receptors, <i>gfra1a</i>, <i>gfra1b</i> and <i>ret</i> during testicular development of the European seabass (<i>Dicentrarchus labrax</i> L.).</i>
P7	Jose Antonio Paullada Salmerón	<i>Spexin in the European sea bass, <i>Dicentrarchus labrax</i>: characterisation, brain distribution and interaction with <i>gnrh</i> and <i>gnih</i> neurons.</i>
P8	Zsolt Pirger	<i>Studies on the great pond snail highlight weaknesses in two lines of evidence that vertebrate steroids have a hormonal role in the reproduction of molluscs.</i>
P9	Germán Benech	<i>GSDF is the only major pro-male gene activated during the molecular sex differentiation period of Siberian sturgeon.</i>
P10	Sara Filippi	<i>Reproduction is not altered by environmental stress: new insight in the swordfish (<i>Xiphias gladius</i>) females.</i>
P11	Amrutha Bagivalu Lakshminarasimha	<i>Leptin modulates oocyte maturation via central and a direct pathway in zebrafish.</i>
P12	Amanda Guerreiro	<i>Carbamazepine on <i>Astyanax lacustris</i> females.</i>
P13	Katherine Shaw	<i>Brain aromatase mutation affects zebrafish sexual behaviour and reproductive health.</i>
P14	Ivana F. Rosa	<i>Thyroid axis is activated in the female-to-male sex reversal induced by higher temperature in medaka.</i>
P15	Valerie S Langlois	<i>Genomic and physiological mechanisms of androgen signalling: steroid-5<math>\alpha</math>-reductase type 2 knockout investigation in frogs.</i>
P16	Renato Massaaki Honji	<i>Preliminary data on reproductive genes of the hypothalamic-pituitary-gonads axis of the dusky grouper <i>Epinephelus marginatus</i> (Perciformes: Serranidae).</i>
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P18	Tapas Chakraborty	<i>Oct4 and sexual plasticity in fish gonad.</i>
P19	Valerie Langlois	<i>Gonadal development in THR alpha or beta knock-out <i>Silurana tropicalis</i>.</i>
P20	Fabian Jeanne	<i>Functional annotation of the testicular proteome during spermatogenesis in the catshark, <i>Scyliorhinus canicula</i>, with a focus related to steroidogenesis.</i>
P21	Tatsuyuki Takada	<i>Effects of the nonylphenol on 'in vitro' spermatogenesis of the critically endangered cyprinid <i>Gnathopogon caeruleus</i>.</i>
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P29	Naghmeh Jafari	<i>Effects of temperature manipulation on growth and skeletal development of sterlet sturgeon (<i>A. ruthenus</i>) during the first two months of life.</i>
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