

Program for the International Society for Fish Endocrinology Online Contest

DATE: 25th of May

Note: The schedule might slightly shift if some people cannot present as we will move forward with the next presentation.

EUROPE/ASIA TIME ZONE (CEST TIME)

Zoom link: <https://nmbu.zoom.us/j/62243808423>

9h00 Start time

Presentation #1

Title: **Agouti overexpression in a transgenic model regulates integrity, permeability and electrogenic amino acid transport in zebrafish intestine**

By **Esther** from Institute of Aquaculture Torre de la Sal - Spanish National Research Council (Spain)

Presentation #2

Title: **The role of somatostatin in the regulation of metabolism and reproduction in zebrafish**

By **Xu Yue** from Centre for Marine Sciences (Portugal)

Presentation #3

Title: **Nuclear progesterin receptor mediated linkage of blood coagulation and ovulation**

By **Jing Huang** from Xiamen university (China)

Presentation #4

Title: **Acute impact of Thyroid Hormones on Ca²⁺ cycling on Atlantic salmon (*Salmo salar*) ventricular cardiomyocytes**

By **Georgios Spanos** from Norwegian University of Life Sciences (Norway)

Presentation #5

Title: **Antagonistic action between *dmrt1* and *foxl3* in germline sex determination of tilapia**

By **Dai shengfei** from Southwest University (China)

9h20 Break

9h30 Start time

Presentation #6

Title: **Can probiotics mitigate EDCs toxicity?**

By **Christian Giommi** from Polytechnic University of Marche (Italy)

Presentation #7

Title: **Cortisol safeguards oogenesis by promoting follicular cell survival**

By **Hesheng xiao** from School of Life Sciences, Southwest University (China)

Presentation #8

Title: **Cyp11a2 is essential for oocyte development and spermatogonial stem cell differentiation in zebrafish**

By **Yaqing Wang** from Institute of Hydrology, Chinese Academy of Sciences (China)

Presentation #9

Title: **Dad's legacy**

By **Marta Lombó** from Università Politecnica delle Marche (Italy)

Presentation #10

Title: **Dnmt3aa but not dnmt3ab is required for maintenance of gametogenesis in Nile tilapia (*Oreochromis niloticus*)**

By **Feilong Wang** from Southwest University (China)

9h50 Break

10h00 Start time

Presentation #11

Title: **Effects of different light regimes on fish physiology and behaviour**

By **Nils Gunnar Lindbo** from Norwegian University of Life Sciences (Norway)

Presentation #12

Title: **Exploring how energy trade-offs may impact fish physiology in the context of climate change**

By **Cristina Garcia Fernandez** from National Institute for Ocean Science - Marine Environmental Sciences Laboratory (France)

Presentation #13

Title: **Identification of sex chromosome and sex-determining gene of Southern catfish (*Silurus meridionalis*) based on XX, XY and YY genome sequencing**

By **Shuqing Zheng** from Southwest University (China)

Presentation #14

Title: **Impact of light pollution on reproductive success in male medaka**

By **Lauren Closs** from Norwegian University of Life Sciences (Norway)

Presentation #15

Title: **Impact of testosterone, 11-ketotestosterone and 17 β -estradiol on smoltification, seawater tolerance and the GH/IGF-I axis of juvenile Atlantic salmon (*Salmo salar*)**

By **Ross Cairnduff** from Norwegian Institute of Marine Research (Norway)

10h20 Break

10h30 Start time

Presentation #16

Title: **Turbot oocytes culture in vitro and the role of melatonin during its maturation process**

By **Jiarong Zhang** from Yellow Sea Fisheries Research Institute (China)

Presentation #17

Title: **Maternal loss of somatostatin 2 impairs early embryonic development in zebrafish**

By **Jie Chen** from Centre for Marine Sciences (Portugal)

Presentation #18

Title: **Molecular mechanism of Amhy determining the sex of Nile tilapia**
By **Xingyong Liu** from Southwest University (China)

Presentation #19

Title: **Neuroendocrine regulation in brain-gut axis during stress and ease response in fish**
By **Arathy Sudhakaran** from University of Kerala (India)

Presentation #20

Title: **Omega-3 polyunsaturated fatty acids promote oocyte quality through production of pregnenolone**
By **Yi Li** from Institute of Hydrobiology, Chinese Academy of Sciences (China)

10h50 Break

11h00 Start time

Presentation #21

Title: **Appetite regulation - á la CART**
By **Nikko Alvin Cabillon** from Hebrew University of Jerusalem (Israel)

Presentation #22

Title: **Physiological response of spotted knifejaw (*Oplegnathus punctatus*) during transportation in offshore aquaculture net pen**
By **Ting Xie** from Yellow Sea Fisheries Research Institute (China)

Presentation #23

Title: **Role of ion channels and pumps during stress and ease response in fish**
By **Jemma Pius** from University of Kerala (India)

Presentation #24

Title: **Trancriptome analysis of endocrine genes during sea bream (*S. aurata*) and sea bass (*D. labrax*) larval development**
By **Babak Najafpour** from Centre for Marine Sciences (Portugal)

Presentation #26

Title: **Transcriptome analysis provides insights into hepatic responses to hypoxia stress in black rockfish *Sebastes schlegelii***
By **Hongyu Qin** from Yellow Sea Fisheries Research Institute (China)

Concluding remarks and End of the meeting

AMERICA TIMEZONE (PDT TIME)
Zoom link: <https://nmbu.zoom.us/j/63710428309>

9h00 Start time

Presentation #28

Title: **A new sex hormone secretoneurin controls zebrafish ovulation**

By **Di Peng** from University of Ottawa (Canada)

Presentation #29

Title: **Reproduction in rays (Elasmobranch): an integrated approach combining reproductive endocrinology, embryo development and mating systems**

By **Victoria Malvina Lenain** from Instituto de Investigaciones Marinas y Costeras (Argentina)

Presentation #30

Title: **Characterization of the secretogranin 2 gene knockout in zebrafish**

By **Udeesha Erandani** from University of Ottawa (Canada)

Presentation #31

Title: **The role of ndr1 and ndr2 in regulating zebrafish ovarian development, function, and gonadal differentiation**

By **Sajid Alvi** from York University (Canada)

9h20 Break

9h30 Start time

Presentation #32

Title: **Zebrafish sexual behaviour: what have estrogens got to do with it?**

By **Katherine Shaw** from University of Ottawa (Canada)

Presentation #33

Title: **The cock fish, *Callorhynchus callorhynchus*, as an evolutionary model of the control of reproduction in vertebrates**

By **Camila Harillo** from Instituto de Estudios en Ciencias del Mar - National Scientific and Technological Research Council (Argentina)

Presentation #34

Title: **ndr3 and sex differentiation in zebrafish**

By **Gagan Sidhu** from York University (Canada)

Presentation #35

Title: **How do zebrafish reproduce without the hypophysiotropic GnRH?**

By **Sakura Tanaka** from University of Maryland (USA)

Concluding remarks and End of the meeting