



## XV AIEC MEETING PROGRAMME

**Dates:** 24-26 July 2025

**Venue:**

Faculty of Sciences (FCUP), University of Porto, Campo Alegre Campus (FC4 building)

Rua do Campo Alegre, s/n, 4169-007 PORTO, PORTUGAL

How to get to FCUP? <https://www.up.pt/fcup/en/the-fcup/campus/map/>

**Guidelines for posters and oral communications:**

Oral communications: 11'(+4' discussion)

Posters: A0 size (841 x 1189 mm), portrait



## Thursday, July 24th

- **11:00 – 15:30** | Registration
- **15:30 – 16:00** | Opening & Meeting Guidelines
- **16:00 – 16:45** | **Opening Lecture** | Chair: Juan Miguel Mancera (U. Cádiz)
  - [Benjamin Costas](#) (CIIMAR): *The neuroendocrine-immune crosstalk in a teleost model*
- **16:45 – 17:15** | Coffee Break
- **17:15 – 18:45** | **Metabolism & Immunity Symposium** | Chairs: Isabel Navarro (U. Barcelona) and José Luis Soengas (U. Vigo)
  - Gabriel Pérez-Tierra (U. Vigo): *Evidence for the role of secondary bile acids on feed intake regulation in rainbow trout*
  - Encarnación Capilla (U. Barcelona): *The gilthead sea bream (*Sparus aurata*) skeleton as an endocrine organ*
  - Diogo Ferreira-Martins (CIIMAR): *Antidiabetic Properties of Cyanobacterial and Microalgal Metabolites*
  - Laura Portel (U. Vigo): *The peripheral endocannabinoid system is affected by different dietary conditions in rainbow trout *Oncorhynchus mykiss*.*
  - Diogo Peixoto (CIIMAR): *Dietary tryptophan modulates stress and inflammatory responses in European seabass (*Dicentrarchus labrax*), and its stress-buffering effect declines during prolonged inflammation*
  - Adriana Alves Oliveira (CIIMAR/ICBAS): *How do protein hydrolysates modulate barrier integrity and serotonin-mediated gut function in gilthead seabream?*
- **19:00 – 20:00** | Welcome Cocktail



## Friday, July 25th

- **09:00 – 09:45 | Josep Planas Lecture** | Chair: Francisco Javier Sánchez Vázquez (U. Murcia)
  - [José Muñoz-Cueto](#) (U. Cádiz): *Of Rats, Fishes and Sea Urchins: An exciting neuroanatomical, neuroendocrinological and chronobiological journey*
- **09:45 – 10:45 | Biological Rhythms Symposium** | Chair: Jesús M. Míguez (U. Vigo)
  - Francisco Javier Sanchez Vasquez (U. Murcia): *Nocturnal and blind fish also exhibit a diurnal rhythm of high-temperature preference*
  - Miguel Gómez-Boronat (U. Complutense Madrid): *Short-chain fatty acids as synchronizers of food-driven clocks*
  - Ana Belén Tinoco Pérez (U. Cádiz): *Up All Night: Circadian Secrets of the Sea Urchin Gonadal Transcriptome*
  - Ana Capitão (CNC/U. Coimbra): *Circadian Disruption by Environmental Pollutants: An Emerging Concern*
- **10:45 – 11:15** | Coffee Break
- **11:15 – 12:30 | Endocrine disruption & Reproduction Symposium I** | Chairs: Eduardo Rocha (ICBAS) and Ana Gómez (CSIC)
  - Ibon Cancio (Euskal Herriko U.): *From rags to riches: reversal of severe feminisation due to exposure to xenoestrogens in fish from Gernika one year after closing its WWTP*
  - David Neves (CIIMAR): *Has Metformin Multi and Transgenerational Effects on the Amphipod Gammarus locusta?*
  - Amaia Casas-Espiniella (Euskal Herriko U.): *Immunohistochemical localization of 5S rRNA binding proteins (Gtf3ab and Rpl5) in zebrafish (Danio rerio) and thicklip grey mullet (Chelon labrosus) gonads*
  - Cláudia Mieiro (CESAM/U. Aveiro): *Histopathology and reproductive impairment of female pacific oysters (magallana gigas) exposed to titanium dioxide nanoparticles during gametogenesis*
  - Ana Coimbra (CITAB/U. Trás-os-Montes e Alto Douro): *Endocrine Disruption Underground: From Broad EDC Risks to Estradiol Effects in Earthworms*



- **12:30 – 14:30** | Lunch Break @ FCUP
- **14:30 – 16:00** | **Endocrine disruption & Reproduction Symposium II** | Chairs: Ibon Cancio (Euskal Herriko U.) and José Muñoz-Cueto (U. Cádiz)
  - Susana Barros (U. Trás-os-Montes e Alto Douro/CIIMAR): *Pain Relief, Zebrafish Grief: Naproxen's Long-Term effects on Growth and Reproduction*
  - João Sousa (CIIMAR/INRAE): *Endocrine disruption in amphipods: Gene expression profiles of the ecdysone signaling pathway in Gammarus fossarum*
  - Cinta Zapater (IATS/CSIC): *Effect of high sea water rearing temperature on growth and gonad development of juvenile European sea bass (Dicentrarchus labrax)*
  - Margarida Vilaça (ICBAS): *Combined Heat and EE2 Exposure Impacts Guppy Growth and Liver Morphology: Insights from Biometry, Histology, and Stereology*
  - Amanda Escorza (IATS/CSIC): *In Vitro Analysis of Fsh-Mediated Regulation in the Ovary of European Sea Bass*
- **16:00 – 17:30** | Visit of the [Hall of Biodiversity](#)
- **17:30 – 18:00** | Coffee Break
- **17:30 – 19:00** | Poster Session
- **19:00 – 19:30** | Free time
- **19:30 – 22:30** | Conference Dinner @ FCUP Restaurant



## Saturday, July 26th

- **09:00 – 09:30 | NextGen Symposium** | Chair: Juan Antonio Martos-Sitcha (U. Cádiz)
  - Patrícia Gomes Ferreira (U. Ottawa): *A tale of loss and gain – a novel knockout line of gastric acidification sheds light on the specific role of the stomach in growth, energy and gastrointestinal physiology*
- **09:30 – 10:45 | NextGen Symposium** | Chairs: Miguel Santos (CIIMAR/U. Porto) and Encarnación Capilla (U. Barcelona)
  - Noelia López-Fortún (ICM/CSIC): *Synchronization of spermatogenesis as a novel solution to oligospermia in cultured fish*
  - Christopher Pimentel (CIIMAR): *Transport induced acute stress responses in rainbow trout (*Oncorhynchus mykiss*) juveniles may shed light into novel welfare biomarkers*
  - Sara Cartan Moya (U. Cádiz): *Modulation of the hypothalamic-pituitary-interrenal (hpi) axis through the diet: a natural additive to improve european seabass (*Dicentrarchus labrax*) resilience*
  - Marta Ribeiro (CIIMAR): *From Generation to Generation: Investigating the Transgenerational Effects of Bisphenol S in Zebrafish*
  - César Cruz Castellón (U. Politècnica de València): *Gonadotropin plasmid gene therapy triggers gametogenesis in male european eel (*Anguilla anguilla*)*
- **10:45 – 11:15** | Farewell Coffee Break
- **11:15 – 12:00 | Closing Lecture** | Chair: Filipe Castro (CIIMAR/U. Porto)
  - [Mathilakath Vijayan](#) (U. Calgary): *The Physiological Role of Mineralocorticoid Receptor Activation in Fish*
- **12:00 – 12:45** | AIEC assembly
- **12:45 – 13:00** | Student Best Communication Award and Closing Ceremony