

Symposium

Epigenetics in aquatic organisms: scope and challenges for environmental assessment

Remote access [Symposium Epigenetics | Reunião-Participar | Microsoft Teams](#)

Room Sala de Atos Académicos, University of Aveiro (Rectory Building, Floor 0)

08:30–09:00 | Welcome of internal and external participants

09:00–09:15 | Opening words

09:15–09:40 | From epigenetics to chemical safety: the role of AOPs

You Song, NIVA, Norway (online)

09:40–10:00 | Stress signatures from the diatom noncoding realm

Helena Cruz, IBENS - CNRS, France

10:00–10:20 | Rewiring mitosis: the diatom DNA damage response

Petra Boulankova, IBENS - CNRS, France

10:20–10:50 | *Daphnia* responses to saxitoxin: from DNA methylation to phenotype

Albano Pinto, University of Aveiro, Portugal

10:50–11:15 networking coffee-break

11:15–11:45 | Epigenetic mutagenesis - an evolutionary driver?

Hollie Marshall, University of Leicester, UK

11:45–12:15 | Multi-Level Effects of Cadmium and Ciprofloxacin on Zebrafish Early Development: From Phenotype to Epigenetics

Janan Gawra, IHPE - CNRS, France

12:15–12:45 | Decoding Neurobehavioral Disruption: Multi-omics Insights in Cadmium and Ciprofloxacin-Exposed Seabass

Laia Navarro Martín, IDAEA - CSIC, Spain

12:45–14:30 Lunch break

14:15–14:45 | Zebrafish as model to assess intra-, inter- and transgenerational ecotoxicity: Examples and challenges

Jan Mennigen, University of Ottawa, Canada

14:45–15:10 | From Transcriptomic Patterns to Multi-Omic Mechanisms: Wild Exposure to Micropollutants in Freshwater Macroinvertebrates

Camilo Escobar Sierra, RWTH Aachen University, Germany

15:10–15:35 | Epigenetics and the Next-Generation Regulation

Anna Navarro, ZeClinics, Spain (online)

15:35–16:00 | The joy and sadness of studying epigenetics in aquatic models

Ana Rita Guimarães, University of Aveiro, Portugal

16:00–16:10 | Closing words

U. Aveiro Vice Rector for Research and Innovation; EPIBOOST scientific coordinators

16:10–16:30 networking coffee-break