

Epigenetics in Ecological Risk Assessment

A Challenging and Fascinating Field Deserving Research Attention

Special guest lecture

Invited by Floriane Tisserand and Dr Nathalie Chèvre from the Faculty of Geoscience and Environment, Ecotoxicology group.

Guest Speaker:

Dr. Joana Luísa Pereira
CESAM & Department of Biology
University of Aveiro, Portugal

Event Details:

Date: **Monday, 18th November 2024**
Time: 16h15 – 17h30
Location: Room 1628 (Ground Floor), UNIL Campus – Geopolis

Seminar Abstract:

Epigenetics, which regulates gene expression and affects phenotypes, has been extensively researched for human health but less so in ecological risk assessment. Epigenetic mechanisms offer the potential for developing reliable biomarkers to detect environmental harm from contaminants. These changes are stable and can be passed down generations, impacting evolution. However, understanding the connection between epigenetic modifications (like DNA methylation) and phenotypic changes in non-human species is challenging and needs more fundamental research. The EPIBOOST project aims to explore DNA methylation caused by environmental stressors in freshwater and marine ecosystems.

Open to all! Professors, post-docs, PhD students, and undergraduates are welcome!

Join us for this exciting seminar!

Please sign up to plan the number of people at the aperitif.

Don't hesitate to contact me for further informations: floriane.tisserand@unil.ch



<https://doodle.com/sign-up-sheet/participate/2af1868a-eb9b-4c3e-8415-9c9de0799005/select>