

13h20 – 13h30

Opening of the first international webinar of young microbial ecotoxicology researchers

13h30 – 14h15

Keynote Speaker: **Fabio ROLDAN**

Title of the talk

Session 1: **The role of microorganisms on contaminant dynamics, biotransformation and bioremediation –**

Part 1

14h15 – 15h35

- **Rémi Bouchiat** - Study of microbial communities in industrial water systems of automotive repair shops
 - **Maria Prieto** - Effect of water table dynamics on bacterial diversity and dichloromethane biodegradation
 - **Anaïs Espinosa** - Biodegradation by activated sludge and feedback impact on the microbial community: comparison of methotrexate and its eco-designed analogue
 - **Roxane Dhommée** - Implementation of a preventive natural bioremediation process for agricultural soils to limit the pesticide diffusion into the environment
-

15h35 – 16h05



Coffee break - Flash presentations (session 1)

Session 1: **The role of microorganisms on contaminant dynamics, biotransformation and bioremediation –**

Part 2

16h05 – 17h25

- **Manhattan Lebrun** - Rehabilitation of mine soils by phytostabilization: Does soil inoculation with microbial consortia stimulate *Agrostis* growth and metal(loid) immobilization?
- **Guillaume Holub** - Study of bacterial communities in several naturally radioactive mineral sources in Auvergne (Massif Central, France) and their role in uranium biogeochemistry
- **Katharine Thompson** - Glyphosate degradation by two novel *Ochrobactrum pituitosum* strains
- **Camila Diaz-Vanegas** - On-site Treatment of Arsenic-rich Acid Mine Drainage by Sulfate Reducing Bioreactor

13h30 – 14h15

Keynote Speaker: **Belinda FERRARI**

Title of the talk

Session 2: **Microbial responses to contaminants across multiple levels of biological organization**

14h15 – 15h15

- **Angela Ares** - Differential molecular responses in the deep sea hydrothermal vent Epsilon-proteobacteria *Nitratiruptor* SB155-2 under Cd and Cu stress
- **Ingrid J. C. Rijk** - Microbial nutrient cycling measured in situ in a lead polluted grassland
- **Anastasia Tsiola** - Viral and prokaryotic community responses upon exposure to silver nanoparticles versus silver ions in coastal seawater

15h15 – 15h45



Coffee break - Flash presentation (session 2,3 & 4)

Session 4: **Impacts of contaminants on biotic interactions**

15h45 – 16h45

- **Elisa Catão** - Biodiversity as an indicator of microbial interactions against ARG dissemination in the environment
- **Lilian Gréau** - Response of *Populus x canadensis* and associated fungal endophytic communities to a PAH contamination gradient
- **Olwen Simenel** - Influence of plants on RND efflux pumps and resistance to antibiotics and contaminants

Session 3: **Emerging approaches in microbial ecotoxicology**

16h45 – 17h25

- **Sylvia THIEFFRY** - Predicting pesticide biodegradation potential from microbial community composition: new tools for bioremediation
- **Vincent FERNANDES** - Volatolomics: a relevant approach for toxicological and ecotoxicological experiments

13h30 – 14h15

Keynote Speaker: **Ahmed TLILI**

Title of the talk

Session 6: **Exposure of microorganism to multiple stressors: combined responses and effects**

14h15 – 15h15

- **Louis Carles** - Role of wastewater microorganisms in the establishment of tolerance to micropollutants in stream periphyton
- **Zeina Bourhane** - Microbial diversity as biomarker of contamination in soil-river-lake continuum
- **Laura Kergoat** - Combined effects of clogging and copper-contaminated water on microbial communities in the hyporheic zone

15h15 – 15h45

Presentation of the **Peer Community In** initiative

15h45 – 16h15



Coffee break - Flash presentations (session 5 & 6)

Session 5: **Use of microorganisms for environmental quality assessment**

16h15 – 17h35

- **Sarah Cheron** - *In situ* exposure to glyphosate induces tolerance acquisition by phototrophic biofilms: the case study of the Cleurie river (France, Vosges mountains)
- **Olga Lamprecht** - Establishment and application of a synthetic freshwater periphyton community as a model system
- **Nicolas Gallois** - Wastewater Reuse: fate of mobile genetic elements vector of antibiotic resistance during field irrigation with reclaimed water
- **Vincent Laderriere** - Using Biofilms as Bioindicators of Metal Contamination in Stream Ecosystems: Towards the Development of a Predictive Accumulation Model

17h35 – 17h45

Award ceremony

Closure of the first international webinar of young microbial ecotoxicology researchers