



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES

The Environmental Biogeochemistry and Ecotoxicology, Department F. A. Forel for environmental and aquatic sciences, at the University of Geneva, Switzerland invites applications for a

PhD position in Invertebrate Nanotoxicology

for a highly motivated and talented student who is interested in ecotoxicology of nanomaterials.

The environmental impact of nanoparticles is pertinent in Europe leading potentially for accumulation of released metallic nanoparticles in environmental compartments, especially the aquatic ones. The goal of the proposed research is to get a deeper knowledge of the mechanisms governing the biological responses of aquatic gastropods to metallic nanoparticles exposure under varying freshwater setting in microcosm.

The work will be in a multidisciplinary approach by using a combination of different methods borrowed from physico-chemistry, ecotoxicology, ecology and molecular biology.

Requirements: Candidates should hold a Master degree comparable to a Swiss University M.Sc in biology, biochemistry, environmental science or equivalent. The candidate should have a strong interest in scientific research and the aquatic environment. Previous experiences in cellular biology and molecular techniques or nanotoxicology will be an asset. Experimental work with gastropods, or other aquatic organisms handling will clearly be a plus. Excellent knowledge of spoken and written English is essential.

We offer: i) a multidisciplinary research project in a stimulating scientific environment, ii) a wide offer of scientific and transferable skill courses at the University of Geneva and neighboring Universities.

The successful candidates will prepare a doctorate thesis in the field environmental sciences, publish scientific articles related to the research project and participate in the teaching of the lab training for the Master of Environmental Science (MUSE). The salary will be in accordance with the Swiss National Science Foundation standards (www.snf.ch)

The position is expected to start 1st of February 2021. The duration is 4 years.

Application: Please send in a **single PDF file** via email to Dr. Wei LIU (wei.liu@unige.ch)

- CV, and academic transcripts
- cover letter detailing your research interests and experience
- digital copy (PDF) of master's thesis
- contact details for 2-3 referees

Deadline: November 20th 2020 or until the position is filled

For further information about the Department F.A. Forel for environmental and aquatic science, faculty of Sciences, University of Geneva please visit our website <https://www.unige.ch/forel/fr/>.