



Research Engineer : lab & data manager in isotopic geochemistry (non-traditional isotopes)

General information

Workplace : Lab of Oceanography of Villefranche-sur-Mer, France (<https://lov.imev-mer.fr/web/>)

Date of publication : 29th Feb 2024

Type of Contract : FTC Scientist (full time)

Contract Period : 4 to 5 years, according to experience

Expected date of employment : 1st June 2024

Remuneration : between 2810 and 3484 € gross monthly according to experience

Desired level of education : PhD

Experience required : Indifferent

Deadline for application: 1st April 2024

Missions

Lithium contamination in the environment and its impact on coastal species and human health is little known. The European project ERC Advanced « SeaLi2Bio » is a 5 years project targeting to unravel these information using and modeling non-traditional isotopes measured in biological tissues and in the environment. This pluridisciplinary project includes scientists from different fields: isotope geochemists, biologists and ecotoxicologists, with collaborators located in various laboratories in France and in different continents.

Activities

The recruited scientist/engineer will be in charge of the new MC-ICP-MS laboratory, implemented in May 2024 at the LOV. Using the NEOMA (Thermo Fischer Sci.), He/She will develop precise Li-Cu-Zn isotopic analyses in all kind of materials, including environmental and biological ones, will valorize new developments, and produce reference materials and samples isotopic characterizations. He/She will be in charge with data management related aspects. Participation to the data interpretation & modeling with the ERC team will be welcome too. Presentations to international conferences will be possible, as well as student supervision and mediation actions.

Skills

Candidates should have a significant experience with non-traditional isotopes measurements. Additional expertise will be appreciated in environmental science, earth sciences, biology or ecotoxicology. Skills in data modeling would be an asset. The capacity to get organized, work in a multidisciplinary team, and the ability to communicate easily in English is essential.

Work context

LOV is a joint research unit of both the CNRS and Sorbonne University, and is a French marine station highly active in plankton ecology, ocean acidification and marine biogeochemical cycles. At LOV, the candidate will participate to the Chemistry-Ocean-

Laboratoire d'Océanographie de Villefranche, LOV
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06230 Villefranche-sur-Mer, France
<https://lov.imev-mer.fr/web/>



Climate (CHOC) team dynamics that involves about 12 researchers, technical staffs and several PhD students and post-docs. In the context of the project, He/She will be fully involved in the ERC SeaLi2Bio related meetings, workshops, and papers.

An equipped clean laboratory, as well as ICP-OES, TQ-ICP-MS, and MC-ICP-MS will be available for the project, with the help of two technicians. On site, there are also other equipment and technical platforms - managed by engineers or researchers - such as GC- & EA- IRMS, Orbitrap, Optical Sensors, Quantitative Imaging, Boats, and Cultures in controlled conditions.

Application

Send applications (CV, name of two referents, motivation letter) or questions to:

nathalie.vigier@imev-mer.fr (PI of SeaLi2Bio project) and to isabelle.thomin@imev-mer.fr, before 1st April 2024.