Permanent scientific position (full time) as Research Logistician for the FRITCO₂T platform

**Start date:** 01/10/2022

**Vacancy Reference:** FS-220126-02

**Job description**

A research logistician position within the CESAM Research Unit responsible for the cross-cutting activities of the FRITCO₂T platform dedicated to the preparation of innovative eco-friendly organic (bio)materials, their applications and recycling.

**Activities**

The logistician will be responsible for managing the experimental platform which is essential to the research activities of the “polymers” part of the FritCO₂T platform, i.e. activities which are complementary to those carried out by C. Jérôme designing innovative biomaterials via CO₂ technologies (synthesis of CO₂ based biomaterials, foaming and impregnation of biomaterials using CO₂) and by C. Detrembleur for the methodologies of transforming CO₂ by green processes into circular materials and their recycling. In addition to this, the post-holder will manage the equipment (planning, maintenance, updating, risk management, etc.) relating to the polymer branch of the platform, support the management of associated research projects (Feder, Walloon Region and European projects) and assist with setting up projects to ensure a sustainable future. They will handle the internal and external services related to this activity. They will have to draw up the specifications for the new equipment to be acquired, contact the suppliers to carry out market studies and proceed with their acquisition according to the rules in force.

The logistician will support the CIRM Research Unit (FM) for staff training and the provision of equipment, contribute to the setting up of projects in synergy with Gembloux (A. Richel, E. HaubrUGE) - CO₂ and bio-based technologies being closely linked -, strengthen links with the platform’s FSA areas (G. Léonard, A. Léonard), and assist the spokesperson (currently, G. Léonard) in promoting the platform within the CO₂ Value Europe network.

The logistician will also be responsible for practical training in CO₂ recovery techniques (handling CO₂ under pressure for the synthesis of organic (macro)molecules, batch and continuous impregnation/extraction/foaming of polymers) as well as the organisation of “summer school” type courses as part of research projects (ETN/EJD Marie-Curie, EoS, etc.) dedicated to CO₂ recovery.

**Qualifications required / profile**

- Hold a doctorate in Science with a focus on synthetic macromolecular chemistry;
- Have proven expertise in innovative CO₂ recovery technologies, both in terms of its chemical transformation into monomers and polymers (including the catalysis required for these transformations) and into organic materials;
• Have expertise in the characterisation techniques of Co2-based monomers, polymers and organic materials;
• Experience in handling and managing medium to high pressure (10–500 bar) reactors at laboratory (12–80 mL volumes) and (semi)pilot scale (2L–50L).

The following qualifications will also be an asset:
• Experience in training and supervising staff in using this equipment;
• Have a good knowledge of local, regional and international funding schemes in the field, and experience in setting up research projects in the field (transformation of CO₂ into organic materials);
• Have a network of local (intra-ULiege), national and international collaborations.

Selection procedure
The selection procedure will be in accordance with the regulations applied within the University of Liège.

Our institutional policy is based on diversity and equal opportunities. We select candidates on the basis of their qualities regardless of age, sexual orientation, origin, beliefs, disability or nationality.

Applications
Applicants are requested to submit their applications electronically, to the following address: Postesscientifiques@uliege.be with a copy to Ms Ninfa GRECO – N.Greco@uliege.be by 18 March 2022 at the latest.

Documents required:
• Applications should be submitted (with a cover letter), accompanied by a complete curriculum vitae (see the procedures on the website of the Faculty of Sciences at: https://www.sciences.uliege.be/emploi-sciences
• A report on past and ongoing research activities;
• A copy of any publications (electronic version);
• Applicants who are pre-selected for an interview must provide a research project including the envisaged integration within the University of.

Recruitment conditions
The position shall be assigned either for a fixed term of four years, which may lead to the permanent appointment of the person concerned or on a permanent basis from the outset.

Information
Any further information may be obtained from: Ms Ninfa GRECO – tel.: +32 4 366 59 34 – N.Greco@uliege.be

Remuneration:
Salary scales and how they are applied are available from the human resources department of the University: Ms Ludivine Depas – tel.: +32 4 366 52 04 – Ludivine.Depas@uliege.be