

Post-doc position open

Flow chemistry specialist for the preparation of amphiphilic molecules.

As part of a research project in collaboration with a manufacturer in the field of “green” lubricants, we are looking for a post-doctoral researcher specializing in flow chemistry. During this project, you will be responsible for:

1. The transfer to flow chemistry of the batch process currently used in industry for the preparation of an amphiphilic molecule.
2. The development of flow synthesis of new biosourced amphiphilic molecules.
3. Possibly, the valorization of a co-product from the industrial process into molecules of interest (under flow chemistry conditions).

You will interact with formulators and tribologists in charge of the preparation and evaluation of lubricant formulations obtained from synthesized molecules.

Profile: Ph. D. in chemistry with a specialization in flow chemistry, you master experimental techniques. The implementation of flow chemistry being new within the laboratory, you will have a central role in this project and will actively participate in staff training thanks to your technical skills. Knowledge of surfactant chemistry or carbohydrate chemistry would be a plus. Finally, you are an autonomous person and you have a scientific open-mindedness that facilitates interactions with other personnel involved in this project.

We offer you a working environment in a young project team on a subject focused on current environmental concerns in connection with a local industrialist. We have recent equipment and access to process optimization software. Finally, due to its location, Besançon is a pleasant city to live in, close to nature and easy to access (direct TGV connection with Paris in approximately 2 hours 30 minutes).

Net salary: around €2,200

Contract duration: 1 year

Start date: as soon as possible.

Send your CV and cover letter to:

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