

High-tech capsules for improved protection and release properties

Description of the project

Calyxia is a start-up enterprise born out of two world leading research institutes: ESPCI Paris and Harvard. We design and commercialise microcapsules that enhance the performance of formulated materials, from home care to polymers and petrochemicals. Our goal is to create the next generation of environmentally cleaner formulated materials.

The goal of this research project in collaboration with Calyxia is to invent the next generation of Calyxia encapsulation technologies. It will involve the creation of new scalable capsule fabrication methods and new functional shell chemistries.

The project will involve a fundamental investigation into multiple phase shell material chemistry in order to produce capsules that present complete active ingredient protection and highly tuned release profiles.

The successful candidate will work in a real collaborative environment with active input from our commercial partners in the chemical industry. This involves a 2-way exchange of expertise, intellectual invention and industrial production.

Candidate profile

We are searching for a PhD or engineer level Scientist with an experimental background in soft matter, material science, fluidics, polymer chemistry, colloid and interfacial chemistry. The candidate is expected to be tenacious in solving tough problems, well-organized, a demonstrated team player, used to deliver quality results in a fast-paced environment, pro-active and ambitious.

Duration of contract

One year, renewable.

Salary

Up to 2500€/month, depending on experience.

Contact

Applications, including CV and cover letter, should be sent to Dr. Jamie Walters (jamie.walters@calyxia.fr) and Dr Damien Démoulin (damien.demoulin@calyxia.fr)