

Post-doctoral position – block copolymer synthesis

Recruitment Period: Open April 3rd, 2017 through September 30th, 2018 (18 months)

The European Membrane Institute (IEM, CNRS UMR5635, UM) is a reference at the international level in the field of materials and membrane processes. The Advanced Macromolecular Materials group (AMM), directed by Dr. Damien Quémener, is conducting research in advanced polymer membranes made of self-assembly of diverse building blocks such as block copolymers or inorganic particles. **AMM is looking for a motivated and qualified postdoctoral scholar to prepare new block copolymers for the preparation of superhydrophilic / superoleophobic membranes.**

The SuperHYM project is an joint programme between Research & Development Center for Membrane Technology in Taiwan and IEM in France. It aims at developing a new generation of polymeric membranes for the filtration of oil-in-water or water-in-oil emulsions. Ideally, a solely gravity-driven filtration is expected. To achieve this goal, superhydrophobic/superoleophilic membranes will be developed to separate water-in-oil emulsions, while superhydrophilic/superoleophobic membranes also bearing super-non adhesive properties will permit the break-up of oil-in-water emulsions.

Qualifications: Applicants must have obtained a PhD in polymer chemistry or a related field. Strong written and verbal communication skills are required. Highly self-motivated individuals who have demonstrated the ability to conduct scientific research successfully and work independently are desirable. The candidate is expected to stay abreast of recent publications in the field of block copolymer synthesis, develop research ideas and write research papers. The postdoctoral scholar is also responsible for maintaining lab equipment and reinforce lab hygiene.

Review of applications will begin immediately. Position is open until filled. Starting dates are negotiable. Interested applicants are required to submit 1) a cover letter, 2) a short research statement, 3) curriculum vitae and 4) names of at least two professional/academic references with contact information including mailing address, phone number and e-mail address.

Job location: Montpellier, France

Requirements:

Curriculum Vitae - Your most recently updated C.V.

Cover Letter

Research Statement

Reference Contact Information - Please provide information for two references including mailing address, phone number, and email address.

Gross salary: about 2500 € / month

How to apply: send your application to both

damien.quemener@umontpellier.fr and mona.semsarilar@umontpellier.fr