

Postdoctoral Researcher Position (20 months)

“Bio-based acrylic copolymer coatings for wood protection”

Position Description: The Bio-inspired Materials group BIMG in the IPREM CNRS Institute UMR 5254 at the University of Pau & Adour countries (South-Western France) is seeking an outstanding, highly motivated candidate for an immediate postdoctoral researcher opening working in the field of macromolecular design, their self-assembly and film-formation properties for wood protection. The candidate will take a leading role in the synthesis of bio-based functional monomers and their macromolecular homologues. The physical chemistry properties in thin films will be also characterized. The position is available *asap* for twenty-month postdoctoral fellowship (10+10 months) with a gross salary of ca. 2700€/month, within the framework of the collaborative project BIOACRY with the technical center FCBA in Bordeaux.

Location : IPREM UMR 5254, Pau (France) with some short stays in FCBA, Bordeaux (France).

Main responsibilities:

Developing the chemo-enzymatic (meth)acrylics monomers synthesis and random/block copolymers elaboration, the characterization and the self-assembly in thin films of the functional macromolecules for wood coating & adhesives.

Redaction of manuscripts and reports, publication and presentations in English of the research results in the framework of the consortium. Assistance with writing IP protection documents.

Qualifications: Prospective candidates should have a strong background in Polymer science, specifically in macromolecular designs and their physical chemistry properties. Expertise in self-assembly in thin films is also desirable.

Strong written and verbal communication skills are required for this position, especially in the context of a highly multidisciplinary topic within the collaborative project.

The 20 months position is open in February/march 2021.

For information on the project and position, interested candidates are encouraged to contact Pr. Laurent BILLON, leader of the Bio-inspired Materials group BIMG: Functionality & Self-assembly, by email at laurent.billon@univ-pau.fr.

(https://iprem.univ-pau.fr/fr/_plugins/mypage/mypage/content/billon.html)

Please include a CV, brief description of research interests, and contact information for at least one professional reference.