

## Postdoctoral researcher M/F

We are recruiting a full-time postdoctoral researcher specialized in **biocatalysis** for a minimum of 12 months

The environmental impacts linked to the production of our everyday molecules (drugs, cosmetics, perfumes, plastics, etc.) has never been as high as it is today. Developing more **environmentally friendly industrial processes** is a major challenge for sustainable development. The use of **enzymes** is one of the keys to meeting this challenge. By allowing multiple reuses, immobilization of enzymes dramatically reduces their cost of use.

Recently, our research team (5-10 people) developed a **novel family of ultra-porous bio-sourced materials** for the simple, fast and efficient immobilization of any enzymes. The performance of these immobilized biocatalysts exceeds that obtained with other technologies. Two patents have been filed.

The objective of this R&D program is to develop and scale up a novel route for the **synthesis of high-value molecules by supported enzymatic catalysis**. A company will be created to valorize the results upon completion of the program (12-18 months), with the possibility of hiring this postdoctoral researcher.

### Responsibilities:

**Design, construction, optimization** of an immobilized multi-enzymatic cascade for high yield production of molecules of commercial interest

**Management of the R&D biocatalysis activity** of the team, supervision of collaborators

**Reporting** to the project director

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<i>Qualifications</i>	Postdoctoral researcher with a PhD degree and 1-2 years of postdoc experience  Required <b>education</b> in industrial biotechnology, biocatalysis, biochemistry Required <b>expertise</b> in protein biochemistry, biocatalysis, enzyme engineering, analytical chemistry (HPLC, GC, UV-Vis, NMR). <b>Experience</b> in enzyme immobilization is desired Required <b>skills</b> : reactivity, adaptability, autonomy, rigor, curiosity, creativity, project management, teamwork, start-up mindset, excellent verbal and written communication
<i>Contract duration</i>	<b>12 months from April 3, 2023 - 6 months extension possible</b>
<i>Salary</i>	Monthly gross salary : 2900 €
<i>Hosting lab</i>	ICGM - Département MPH, Campus CNRS, 1919, route de Mende, Montpellier, France
<i>Supervisors</i>	<b>Dr Jullien Drone</b> , Associate professor ENSCM – <b>Dr Nicolas Brun</b> , CNRS researcher
<i>Application</i>	Only applications received before February 28, 2023 will be considered You must attach all of the following documents in pdf format: detailed CV, 3 recent letters of recommendation and a cover letter <a href="mailto:jullien.drone@enscm.fr">jullien.drone@enscm.fr</a>   <a href="mailto:nicolas.brun@enscm.fr">nicolas.brun@enscm.fr</a>