



# Postdoctoral Fellowships

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## CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	Erwann Guénin
<b>Supervisor page</b>	<a href="https://uteam.fr/index.php/consultant/presentation/erwann-guenin">https://uteam.fr/index.php/consultant/presentation/erwann-guenin</a>
<b>Host Institution</b>	Université de Technologie Compiègne (UTC) <a href="https://www.utc.fr/en/">https://www.utc.fr/en/</a>
<b>Research Lab</b>	Laboratoire Transformations Intégrées de la Matière Renouvelable <a href="https://timr.utc.fr/">https://timr.utc.fr/</a>
<b>Research Team</b>	Organic chemistry and alternative technologies <a href="https://timr.utc.fr/recherche/equipe-de-recherche-timr/ocat-organic-chemistry-and-alternative-technologies/">https://timr.utc.fr/recherche/equipe-de-recherche-timr/ocat-organic-chemistry-and-alternative-technologies/</a>

### Project Title

Synthesis and functionalization of lignin based materials and nanomaterials

### Project Description

Lignin is the second most abundant biopolymer on earth, and is an undervalued by-product of the paper industry. Lignin has among other attractive anti oxidant and anti UV properties. Lignin can moreover be shaped into composites and nanomaterials (nanolignin or carbon dots). The present project aims at studying the use of eco-friendly and alternative technologies to prepare and functionalized such materials.

### Keywords

lignin, nanomaterials, composites

### Description of the Host Lab

The research unit Transformations Intégrées de la Matière Renouvelable aims to develop, validate and implement knowledge and know-how for renewable material transformation processes and reactions.

To submit your application, please send an email with the required documents to  
[msca-pf@sorbonne-universite.fr](mailto:msca-pf@sorbonne-universite.fr)