

## Postdoctoral Position in Organic Chemistry

(starting from January 2025)

*Photocaged protecting groups for the preparation of peptides of biological interest*

**Laboratory:** Université Paris-Saclay, ENS Paris-Saclay, CNRS, [Photophysique et Photochimie Supramoléculaires et Macromoléculaires](#), 91190, Gif-sur-Yvette, France.

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**Keywords:** Organic chemistry, bioorganic chemistry, photochemistry/photophysics, peptides

### Research topic

In the context of an ANR-funded project (DynaCycloP) targeting a new approach for peptide ligand screening, the goal of this research is to develop a new method for the side-chain functionalization of cyclic peptides based on sequential, wavelength-selective photo-deprotection reactions.

The recruited researcher will be responsible for designing and preparing (by multi-step synthesis) photocaged amino acids, assembling them into cyclic peptides by solid-phase synthesis, and evaluating their photophysical properties, in particular their ability to be selectively deprotected depending on the irradiation wavelength applied.

### Candidate profile

Solid experience in multi-step organic synthesis, as well as a marked interest in bioorganic chemistry. Background in photophysics/photochemistry and/or peptide synthesis is not mandatory but would be an asset.

### Additional information

This project is part of a collaboration with partner laboratories at Sorbonne Université (Laboratoire des Biomolécules), Université de Montpellier (Institut des Biomolécules Max Mousseron) and Université d'Orléans (Institut de Chimie Organique et Analytique).

Mobility to Sorbonne Université (Paris) is planned for the realization of peptide synthesis.

Duration: 12 months with possible extension.

Remuneration: between 3081 and 3519 € gross monthly.

### Application Process

Please send a detailed CV (including reference contacts) together with a motivation letter by e-mail. Then apply on-line via the [CNRS "Portail Emploi" offer reference UMR8531-NICBOG-002](#).