

PhD position in organic chemistry

In the framework of an ERC European funded project ([FASTLabEx](#)), a PhD position is available at the Laboratory of Carbon Isotope Labeling (CEA, Université Paris-Saclay) to work on novel approaches towards isotope labeling.

Details:

- Starting date : October/November 2021 (3-year contract)
- Location: Department of bioorganic chemistry and isotopic labeling, CEA, Gif sur Yvette (France). The laboratory is located in the CEA of Saclay, 20 km from Paris.
- Website: [Frédéric Joliot Institute for Life Sciences - ¹⁴C-labeling laboratory \(cea.fr\)](#)

Domain: Organic chemistry / Synthetic Methodology / Isotopic Labeling

The main objectives of the PhD project will be to discover new methodologies for the effective chemical labeling of complex and fragile molecules, such as pharmaceutical, starting from simple carbon-labeled building blocks (CO₂, CO, etc). The use of transition metal catalysis (Pd, Ni etc) and photocatalysis will be explored.

Your profile:

- Excellent skills in organic synthesis
- Strong communication and leadership skills
- Curiosity for new approaches in synthetic methodology

Application procedure:

- Motivation letter and Curriculum Vitae
- Contact details of 2 referees
- SEND ALL DOCUMENTS TO: davide.audisio@cea.fr

References : [ACS Catal. 2021, 11, 2968](#); [Chem. Commun., 2020, 56, 11677](#); [Angew. Chem. Int. Ed. 2020, 59, 13490](#); [J. Am. Chem. Soc. 2019, 141, 780](#).

Review of applications will start immediately and finish when the position is filled.