

February 2022

AVAILABLE PhD POSITION IN SYNTHETIC ORGANIC CHEMISTRY & RADIOLABELLED CHEMISTRY

Our research group, located at UMR 6014 COBRA-CNRS Rouen, in collaboration with Dr Davide Audisio from the Laboratory of Carbon Isotope Labeling (CEA, Université Paris-Saclay) is currently looking for a highly motivated PhD fellow to work on the project funded by ANR for 36 months (**starting date autumn 2022**). Website: <http://www.lab-cobra.fr/?equipe=synthese-de-biomolecules-fluorees> and Laboratory of Carbon Isotope Labeling (CEA, Université Paris-Saclay) for [more details](#).

Nowadays, organofluorine chemistry is a research field of prime importance as fluorine-containing molecules are compounds of interest for agrochemicals, pharmaceuticals and material science. Consequently, the quest for new methodologies to efficiently introduce various fluorinated groups to access a panel of original fluorine-containing building blocks renders this blooming research area very appealing for scientists. Besides, to face contemporary concerns, the development of eco-friendly transformations especially based on C-H bond activation is a timely topic. Recently, our research group, "Synthesis of fluorinated molecules" in Rouen, has successfully designed new fluorinated reagents and developed innovative transformations. Aiming at taking benefit from our in-home expertise and willing to push beyond the boundaries of knowledge in organofluorine chemistry and C-H bond activation, the development of modern and sustainable tools based on C-H bond functionalization using state-of-the-art technologies along with novel strategies towards isotope labeling will be envisioned and will constitute the cornerstone of such project.

Application: To support this research program, we are looking for outstanding and highly motivated candidates to pursue their PhD within our group. They will have a strong background in organic synthesis with excellent theoretical and experimental skills. A background in organofluorine chemistry is not mandatory. We are looking for dedicated, curious, and hard worker candidates. Moreover, the candidates should have good communication skills, a good team spirit and will take benefit from an international research environment.

Requirement for the position: a Master degree in organic chemistry.

Approximate salary: ~1850 euros per month of gross salary, equivalent to ~ 1480 €/month of net salary + the possibility to apply for teaching activities (fluent French speaking required).

For application:

Applications should be sent by e-mail to Dr. Tatiana Besset (CNRS Research Associate, Contact: tatiana.besset@insa-rouen.fr) including:

- A detailed CV including at least two referees, able to be contacted (Note that the recommendation letters must be directly sent from the referees to the contact person).
- A cover letter & a short research summary
- Engineer school and Master Research (2) grades