

March 2022

**AVAILABLE PhD POSITION
IN SYNTHETIC ORGANIC CHEMISTRY**

Our research group, located at UMR 6014 COBRA-CNRS Rouen, in collaboration with Prof. Congyang Wang from the Institute of Chemistry, Chinese Academy of Sciences (Beijing, China) is currently looking for a highly motivated PhD fellow to work on the project for 36 months (**starting date autumn 2022**). Website: <http://www.lab-cobra.fr/?equipe=synthese-de-biomolecules-fluorees> and the [Wang Group](#), Institute of Chemistry, Chinese Academy of Sciences (Beijing, China) 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 catalysis with non-noble metal 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 research fields at the forefront of innovation and highly competitive (organofluorine chemistry and homogeneous catalysis), this collaborative project between Wang (China) and Besset (France) aims at developing an elegant and new conceptual strategy for the synthesis of novel enantioenriched aliphatic fluorinated derivatives using state-of-the-art technologies.

Application: To support this research program, we are looking for an outstanding and highly motivated candidate to pursue their PhD within our groups (18 months in France and 18 months in China). He/She will have a strong background in organic synthesis with excellent theoretical and experimental skills. 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.

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