

UMR 6014-COBRA

Equipe “ Synthèse de Biomolécules Fluorées”

Rouen University and INSA Rouen

URL: <http://www.lab-cobra.fr/?equipe=synthese-de-biomolecules-fluorees>**Topic: Offer for a PhD thesis position****Merging organofluorine chemistry and C-H bond activation, an innovative strategy towards original fluorinated compounds.**

Organofluorine chemistry is a research field of high interest as demonstrated by the key role of fluorine-containing molecules in agrochemicals, pharmaceuticals and material science. Therefore, the scientific community put a lot of efforts to push forwards the frontiers of knowledge in this active research field. By designing original transformations and new reagents, an access to a large portfolio of fluorine-containing molecules will be possible and the toolbox will be considerably extended. Recently, our research group, “Synthesis of fluorinated molecules” headed by Prof. P. Jubault, has successfully designed new fluorinated reagents and developed innovative transformations.

Combining our current expertise and aiming at tackling unmet synthetic challenges with more sustainable approaches, new strategies will be designed involving the elaboration of unprecedented fluorinated reagents combined with eco-friendlier and modern synthetic tools such as C-H bond functionalization.

**Application**

To support this research program, we are looking for an outstanding and highly motivated candidate to pursue his PhD within our group. He or she will have a strong background in organic chemistry. The applicant should be highly motivated, autonomous and have a good team spirit.

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

Applications should include a cover letter and a detailed CV with the name and address of two references.

**Approximate salary:** 1300 euros per month.

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