

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****Sulfur & C-H functionalization:****a good partnership to access unprecedented sulfur-containing molecules.**

This project aims at tackling fundamental research questions such as “How to access to enantioenriched sulfur-containing compounds in a sustainable manner?”. This fundamental project will offer synthetic tools to the organic chemists community to synthesize an important class of compounds. Over the years, the scientific community put a lot of efforts to push forwards the frontiers of knowledge in this active research field. However, synthetic methods to access enantioenriched organic thiocyanates are still highly demanding. By designing new reagents and original transformations using 3d row metals, an access to a large portfolio of sulfur-containing molecules will be successfully achieved.

Recently, our research group “Synthesis of Fluorinated Molecules” headed by Prof. P. Jubault, has successfully designed new SCN-reagents and developed innovative transformations. Thanks to our current expertise, we aim at developing new unprecedented sulfur-containing molecules by the design of original reagents combined with C-H bond functionalization reactions by catalysis to get further insights in this research field. To support this research program, we are looking for an outstanding and highly motivated candidate to pursue a PhD thesis within our group.

**Application**

To support this research program, we are looking for an outstanding and highly motivated candidate to pursue his/her PhD with in our group. He or she will have a strong background



inorganic chemistry. The applicant should be highly motivated, autonomous and have a good team spirit.

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

**Contact:** Dr Tatiana Besset ([tatiana.besset@insa-rouen.fr](mailto:tatiana.besset@insa-rouen.fr)), Philippe Jubault ([philippe.jubault@insa-rouen.fr](mailto:philippe.jubault@insa-rouen.fr)) and Prof. Xavier Pannecoucke ([xavier.pannecoucke@insa-rouen.fr](mailto:xavier.pannecoucke@insa-rouen.fr)).

