

Mont Saint Aignan, March 2023

**PhD position (36 month) in organic chemistry
at laboratory COBRA within the joint-laboratory with Oril Industrie R&D compagny**

This project is part of the COLIBRI industrial chair obtained within the IDECHEM joint laboratory between the COBRA laboratory and the Oril Industrie, the R&D company of Servier. The objective is to develop new sustainable syntheses of precursors of active pharmaceutical ingredients by exploiting catalytic metal-based strategies with a focus on C-H functionalization sequences and/or radical chemistry. The technologies for better syntheses such as electrosynthesis, photochemistry will also be part of the investigations, and extension to flow chemistry might be involved. The PhD fellow will be in charge of the experimental work, analysis (NMR, HPLC...), literature survey, the writing of scientific reports and will take benefit from a dynamic public/industry close collaboration.

Profile. The candidate should have a master in organic chemistry and a strong interest in the development of new methodologies. A background in catalysis, photoredox chemistry, electrosynthesis would be an asset (*but not mandatory*). We are looking for a dedicated, experienced and highly motivated candidate with excellent communication skills, as regular meetings with the industrial partner will be organized.

Starting date: October 2023 (End of application before June 2023)

Duration: 36 months

Gross salary: ca. 2300€ per month

Location: COBRA laboratory, INSA Rouen Normandie, Université de Rouen Normandie, CNRS (UMR 6014), IRCOF, rue Tesnière, 76821 Mont Saint Aignan, France.

Website: <https://www.lab-cobra.fr/>

Application. Applications should be sent by e-mail to Dr. Cédric Schneider (cedric.schneider@univ-rouen.fr) and Dr. Jean-François Brière (jean-francois.briere@insa-rouen.fr) and should include • A detailed CV with at least two referees able to be contacted (*recommendation letters must be directly sent from the referees to the contact persons*) • A cover letter • A short research summary.

An interview will follow the selection and recruitment will occur as it arises.