

PhD position available, starting in October 2017

A PhD position in organic synthesis is available for at the “Institut des Sciences Moléculaires de Marseille” (iSm2 – UMR CNRS 7313 – Équipe STERÉO) and will be funded by the “Agence Nationale pour la Recherche (ANR).”

Keys words: Medium-sized heterocycles, Enantioselective organocatalysis, Domino reactions, Superacidic chemistry.

OrgaSup project: *Heterocycles are among the most significant pharmaceuticals and new chiral non racemic structures are crucial for both academic and industrial developments. In this field, the direct enantioselective catalytic access to medium-sized heterocycles from simple acyclic substrates still constitutes a daunting challenge in modern synthetic organic chemistry.*

This project will take advantage of the strong scientific complementarity between the two partners in the design of enantioselective organocascades (iSm2) and superacid chemistry including selective fluorinations (IC2MP). This synergistic association will provide ground-breaking advances for mechanistic investigations opening new synthetic opportunities for the elaboration of original highly substituted and fluorinated medium-sized heterocycles. OrgaSup practical applications may be essential to address the industrial issues of the future, particularly for chemical companies interested in the development of original chiral non racemic scaffolds.

PhD profile: The position requires a solid training in organic synthesis. We are looking for a rigorous, motivated and enthusiastic candidate with good knowledge in synthetic organic chemistry. Experience in enantioselective organocatalysis would be appreciated. The position will be entirely dedicated to this project and hence be 100% funded by the ANR.

Candidates should send: • a CV • a motivation letter • the contact of at least two referees.

Applications can be sent to jean.rodriquez@univ-amu.fr and damien.bonne@univ-amu.fr. For details about our research group, see: <http://ism2.univ-amu.fr/pages-bleues/index2.htm>