




DOCTORAL POSITIONS IN ORGANIC CHEMISTRY & COPPER CATALYSIS

In the framework of a collaborative research project of the *National Science Foundation* in Belgium (FNRS) on the *development of new copper-catalyzed reaction based on the use of carbon oxides*, the research divisions of organic chemistry of the Departments of Chemistry of ULB and UCL in Belgium announce the availability of two full time PhD positions in the field of organic synthesis and homogeneous catalysis with copper complexes.

 **Job description:** As a master with a good theoretical and practical knowledge of organic synthetic chemistry you will investigate the development of new catalytic processes for the synthesis of a broad range of building blocks and commodity chemicals. The methods to be developed are new copper-catalyzed cross-coupling and functionalization reactions based on the use of carbon monoxide and dioxide as reagents or activating agents as well as the design of new copper-based catalysts.

 **Your Profile:** The ideal candidate for the position will be highly motivated and have a master degree in chemistry with hands-on experience in organic synthesis, analytical separation techniques, preparative purification techniques, and structural characterization of organic molecules. The ability to work in a team as well as good communication/writing skills are required. A good mastery of the English language is an advantage.

 **Additional info:** During the 4 years PhD you will perform part of your research at the *Free University of Brussels* and the *Catholic University of Louvain*. Your PhD diploma will be a joint PhD of both universities. The distance between both universities is only 30 km and both cities are well connected via public transport. The selected candidates are expected to begin in September/October 2018. For more information on the *Laboratory of Organic Chemistry* at ULB and the *Molecules, Solids and Reactivity* team at UCL visit the respective group websites:

<http://chimorg.ulb.ac.be/> and <https://uclouvain.be/en/research-institutes/imcn/most/riant-s-research-group.html>

Interested?

Send a detailed CV (including at least 2 contact persons for references) and a motivation letter to gevano@ulb.ac.be and olivier.riant@uclouvain.be **ASAP and before September 15, 2018**. Please mention "Application PhD PDR" in the subject line.

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