

Post-doctoral position

Exploring synthetic perspectives by superelectrophilic activation

Contract: 24 months

Starting date: ASAP

IC2MP (Poitiers University) has a recognized expertise in organic synthesis under superacidic conditions¹ and collaborate in this program with PHENIX laboratory, which has developed since several years a recognized knowledge and expertise on chemical reactivity using microreactor technology.²

In the context of a CNRS innovation program (Projet de prématuration FLOWERS), this project aims at developing novel synthetic avenues to late-stage functionalize of bioactive compounds by exploiting superelectrophilic activation under superacid flow conditions. New reactions having no equivalent in the current synthetic arsenal will be targeted. The exploitation of these strategies in a late-stage modification approach of active pharmaceutical ingredients will be pursued with real perspectives in the academic and industrial domains. Following this project, opportunities to be recruited as a full-time researcher are opened within the startup ACTIV-H emerging from the laboratory.³

Applications are invited for a post-doctoral Research Fellow position at the Institute of Chemistry of Poitiers (IC2MP UMR CNRS 7285) / University of Poitiers to work on this project.

Profile:

Applicants must have completed a Ph.D. in organic synthesis. The successful applicant should have the drive and enthusiasm to lead the project from fundamental research to design. S/he should be able to work independently and as a member of a multidisciplinary team. The optimal candidate will be inquisitive and enjoy problem solving and developing novel technologies with personal creativity and innovation.

Application:

Interested and highly motivated applicant should forward a cover letter stating why the applicant is interested in this position, a complete CV with a publication list and 2 academic referees (with address, phone number and email). Salary: 2000 € net (depends on the experience)

Contact :

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¹ For recent references, please see: *Chem. A. Eur. J.* **2022**, 28, e202201583 / *Chem. A. Eur. J.* **2022**, 28, e202103926 / *Angew. Chem. Int. Ed.* **2021**, 60, 23068-23082 / *Angew. Chem. Int. Ed.* **2021**, 60, 2036-2041 / *Angew. Chem. Int. Ed.* **2020**, 59, 1279-1285 / *Angew. Chem. Int. Ed.* **2019**, 58, 13758- / *Angew. Chem. Int. Ed.* **2019**, 58, 1355-1360

² For recent references, please see: *Commun Chem* **2022**, 5, 164 / *Nanomaterials* **2022**, 12, 119.

³ <https://www.activ-h.com/bc/>