Postdoctoral researcher in organic synthesis

Université de Bordeaux, France
Institut des Sciences Moléculaires - CNRS-UMR 5255
CNRS “Emergence” fellowship.

“Total synthesis of Myrioneurinol through a catalytic asymmetric Hypervalent Iodine-mediated C-C bond formation.”

Description: A postdoctoral position in organic synthesis is opened for a 12 months stay at the Institut des Sciences Moléculaires (UMR5255 CNRS).

Taking advantage of our team’s know-how on asymmetric hypervalent iodine-mediated transformations, this organic synthesis project aims at applying a recently identified catalytic C-C-bond formation methodology to the total synthesis of the anti-malarial (+)-myrioneurinol.

The applicant will be in charge of both the design of chiral iodinated reagents, and of their use in the context of the aforementioned natural product synthesis.

Key words: Total synthesis, asymmetric synthesis, hypervalent iodine, green & sustainable chemistry.

Essential criteria: The successful candidate must hold a Ph.D. degree in Organic Chemistry, must speak French or English, should have a strong background in asymmetric synthesis, and should be able to carry out multi-step reaction sequences (experience in natural product synthesis is mandatory). Applicants should also have the ability to work as part of a team and should possess excellent written and oral communication skills.

Salary: From 2100 € to 2900 € depending on the applicant’s experience.

Application: Detailed CV + 2 recommendation letters to be sent before February 15, 2019 to:

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