



INSTITUT DE CHIMIE ORGANIQUE ET ANALYTIQUE

Université d'Orléans - CNRS UMR 7311

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POSTDOCTORAL POSITION

Location : Institute of Organic and Analytical Chemistry, Orléans, France

www.icoa.fr

Team of Professor Olivier R. Martin (www.icoa.fr/en/martin)

Duration: 18 months

Source of financing: Labex SynOrg (www.labex-synorg.fr)

Financing includes salary, supplies and travel to meetings

Starting date: asap but no later than September 1, 2016

Research project:

Synthesis of substrates and inhibitors of PimA, a mannosyl transferase involved in the biosynthesis of PIMs (phosphatidyl inositol mannosides), constituents of the mycobacterial cell wall. Project in collaboration with T. Lecourt (COBRA, UMR 6014, Rouen), and for the biochemical studies, with P. Alzari (Institut Pasteur, UMR 3528, Paris).

Experience in carbohydrate chemistry is highly desirable, and knowledge of the chemistry of phosphodiester would be a plus.

Keywords: carbohydrate chemistry, synthesis of inositol mimics (true iminocyclitols), phosphatidyl inositols and analogs, anhydroalditols, iminoalditols and derivatives

Key refs: O.R. Martin et al: *ChemMedChem* **6**, 2011, 2081-2093; *Bioconjugate Chem.* **24**, 2013, 72-84.

Please address all inquiries to

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Orleans is in the Loire Valley, an attractive area rich in historical places - you will be able to visit famous Loire castles which are close by (Chambord, Chenonceau, etc), assist in the celebration of Jeanne d'Arc liberation of the City and much more!

In addition, Paris is about 120 km from Orléans, a 58 min train ride.