



INSTITUT DE CHIMIE ORGANIQUE  
ET ANALYTIQUE



Université d'Orléans - CNRS - UMR 7311

**TWO POSTDOCTORAL RESEARCHERS IN MEDICINAL CHEMISTRY & ORGANIC SYNTHESIS  
(RENEWABLE 12-MONTH)**

**Starting date:** October 2020 (open until filled)

**Duration:** 12 months (renewable based on job performance)

**Location:** Institut de Chimie Organique et Analytique (ICOA), UMR CNRS 7311, Université d'Orléans, rue de Chartres, 45067 Orléans Cedex 2, France.

**Group:** "Chemistry of nucleosides and heterocycles – Infectious disease research"

**Scientific supervisors:** Prof. LA Agrofoglio & Assoc. Prof. Vincent Roy

**Website:** <https://www.icoa.fr/fr/agrofoglio>

**Position Overview and job description:** Part of our research programs dedicated to the design and synthesis of small molecules (nucleosides and heterocycles) against viral infections, we announce the immediate availability of two full-time research scientists/postdoctoral positions in organic synthesis and medicinal chemistry. Projects are granted by European Commission and by French Ministry of Defense. One post-doctoral fellow will take in charge a NCE, a nucleoside analogue, which enters to the stage of preclinical development and for which the synthesis of analogs (prodrugs, phosphorylated metabolites, labeled analogue) are mandatory. The second post-doctoral fellow will develop some nucleoside and nucleotide analogues as well as small heterocycles for DNA-directed type I interferon (IFN) innate immune activation. Both projects are interdisciplinary and involve industrial and international collaborations. Researchers are encouraged to publish their findings in high impact, peer-reviewed journals and they will have the opportunity to present their data once in an international conference.

**Profile required:** The minimum qualification: Ph.D. in organic chemistry or related fields. The ideal candidate for this position should be highly motivated, have excellent verbal and written communication skills, leadership skills, and independent thinking and problem solving skills. Candidates with strong training records in the fields of organic synthesis including in modern tools of organic chemistry (Pd(0), olefin metathesis, CH activation, ....) and/or multistep total synthesis of molecules misty and/or fluorine chemistry will be given prioritized consideration. Previous experience in nucleoside/nucleotide chemistry will be a plus. Candidates must assume a leading role in a team involving several graduate students, have the ability to work in a multidisciplinary team. Candidates must have proven track record of publishing peer reviewed papers, excellent organizational skills and attention to detail and they must possess a strong work ethic.

ICOA are fully equipped with a wide range of laboratory equipment, including HPLC systems, NMR spectrometers, UV-vis spectrophotometers, HRMS, GS-MS, FT-IR, and other instruments in the Dpt.

**How to apply:** Applications should be sent by e-mail to Prof. Luigi A. Agrofoglio ([luigi.agrofoglio@univ-orleans.fr](mailto:luigi.agrofoglio@univ-orleans.fr)) and Assoc. Prof. Vincent Roy ([Vincent.roy@univ-orleans.fr](mailto:Vincent.roy@univ-orleans.fr)) and should include:

- a detailed CV,
- a short graphical research summary (1-3 pages),
- a motivation letter,
- and contact details for at least two referees (recommendation letters must be directly sent from the referees to the contact person).

*University of Orleans and CNR were awarded the "HR Excellence in Research" label by the European Commission and are affirmative action/equal opportunity employer*