



UNIVERSITÉ
CAEN
NORMANDIE



Normandie Université

Supervisor: Dr Thomas CAILLY

Centre d'Etudes et de Recherche sur le
Médicament de Normandie - CERMN
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<http://cermn.unicaen.fr/>

Post-doctoral position at the CERMN, University of CAEN, France (Normandy Regional Council Research Grant)

Radiolabeling using gold organometallics

The University of Caen (France) with its 30,000 students, is a major player and a driving force behind the development of higher education and research in Normandy. UNICAEN is a member of Normandie University.

The radiochemistry group of the CERMN (Centre d'Etudes et de Recherche sur le Médicament de Normandie) based in Caen is hiring a post-doctoral researcher for 2 years. In this position, you will contribute to the funded project RADIOGOLD. The RADIOGOLD project aims at discovering an interoperable synthetic methodology to efficiently introduce radioisotopes on molecules using carboxylic acids as starting materials and mediated by gold organometallics. During RADIOGOLD, the concept will be fully demonstrated with iodine radionuclides and proofs of concepts will be established with carbon-11 and tritium. These two last developments will be achieved through collaborations with two CEA (Commissariat à l'Énergie Atomique) research teams based in Orsay and Saclay (France).

Your Mission:

- Take in charge the RADIOGOLD research program
- Take in charge the radiolabeling lab of the CERMN

Your Profile:

According to the scientific background of RADIOGOLD at the interface between organometallic chemistry and radiochemistry, the candidate shall possess several skills:

- A PhD in organic chemistry
- A strong knowledge in organometallic chemistry
- Skills in multistep synthesis, purification and characterization techniques
- Skills in HPLC techniques
- Ability to perform bibliographic searches and good communication skills
- An experience in radiochemistry will definitely be a plus but not mandatory to apply

Deadline for application: 15th of October 2022

Taking office: 1st of January 2022

Documents required:

- CV and cover letter
- Two letters of recommendation, or contacts likely to provide.

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