

Postdoctoral Position Radiochemistry Postdoc

GIGA - CYCLOTRON RESEARCH CENTRE / IN VIVO IMAGING

The project

The GIGA-CRC in vivo imaging is looking for a Radiochemistry Postdoc that is highly skilled and motivated synthetic/organic chemist.

In recent years, new functional strategies, allowing to introduce fluorine-18 as a last step on a precursor previously functionalized by means of an appropriate motif (iodinium salt, ylide, uronium, boronic esters, organotin compounds, etc.) have emerged in the literature. For various reasons, the organotin compounds represent an interesting option. Indeed, the preparation of labeling substrates does not involve the use of reagents which are difficult to handle and is relatively easy starting from commercially available iodized substrates. In addition, the generated precursors are generally stable.

The main objective of the project is to develop automated fluorine-18 labeling of organotin precursors on a synthesizer.

Requirements

- The successful candidate will hold a PhD degree in organic chemistry or related field. Applicants with a background in radiochemistry are encouraged to apply.
- Applicants should demonstrate past research productivity with preference given to candidates with significant publications.
- Experience with UPLC(HPLC), MS, micro-scale reactions, automated chemistry, fluorine chemistry or radiochemistry is preferred.
- Autonomy, communication and cooperation skills within a multidisciplinary team.
- Commitment and reliability.
- Good spoken and written English.

Work environment

The GIGA-CRC (ULiège) has more than 30 years of experience in ^{18}F radiolabeling, organic chemistry and the technology of in vivo PET imaging. The GIGA – CRC manages all stages, from the synthesis of radiotracers to PET images acquisition and analysis. The radiochemists demonstrated their strong experience in the radioisotopic labelling of new molecules and are developing highly innovative strategies for the synthesis of radiotracers. The GIGA – CRC demonstrated again recently its strong capacities to manage the whole process of PET drug design and development. Starting from the target selection and PET radiotracer synthesis, continuing with the preclinical validations needed before translation to the clinic, which includes dosimetry, and finally human studies.

Contract duration

The position is a **full-time position for 1 year with possibility of extending**. Start date will be **October 1st 2020**.

Application

Applicants are invited to respond **before September 1st 2020**. Please include all the following documents in PDF format: CV, list of publications, contact information for two referees, a brief letter (maximum 2 pages) describing your personal qualifications, research interests and motivation for applying.

Applications should be sent via email to Dr. Sylvestre Dammicco (sdammicco@uliege.be).