

Development of innovative radiopharmaceuticals for molecular imaging and/or radionuclide therapy

Ref. ZAP-2019-67

The Laboratory for Radiopharmaceutical Research is embedded in the Department of Pharmaceutical and Pharmacological Sciences of the Biomedical Sciences Group. The Department of Pharmaceutical and Pharmacological Sciences is highly ranked with regard to its quality of research and education. The department has an extended collaborative national and international network both in academia and industry. The Laboratory for Radiopharmaceutical Research has access to state-of-the-art research infrastructure (organic synthesis, radio-UPLC-HRMS, cyclotron, research and GMP hotlabs and infrastructure and equipment in vitro and in vivo non-clinical evaluation) and has an extensive international network of collaborations with other academic research centers and pharmaceutical companies. The lab has an experienced supporting staff and has access to talented PhD students.

<http://gbiomed.kuleuven.be/english/research/50000715/50000723>

Duties

Research

- You will develop and validate innovative radiopharmaceuticals for in vivo imaging and/or molecular radionuclide therapy.
- You will publish the obtained results at the highest scientific level and attract competitive research funds.
- You actively cooperate with members of the Laboratory for Radiopharmaceutical Research, the MoSAIC platform for in vivo animal imaging and the Nuclear Medicine and Molecular Imaging Department for efficient translation of preclinical research to the clinic.
- You interact with the multidisciplinary research environment consisting of the Department of Pharmaceutical and Pharmacological Sciences and the Biomedical Sciences Group.
- You will expand the research expertise of the Laboratory for Radiopharmaceutical Research and implement new supporting techniques and technology, in order to achieve a scientific output that adheres to the highest international standards.
- You will supervise international master and PhD students.
- You are able to identify and pursue potential valorization of your research results in cooperation with a valorization manager and the technology transfer unit Leuven Research and Development.

Teaching

Your teaching duties within the bachelor-master-postgraduate curriculum will contain both lectures and practical exercises. The global assignment will be limited during the first years and will gradually increase, depending on your qualifications. Also in your further academic career, due attention will be given to maintain an optimal equilibrium between research and teaching.

You will contribute to the overall pedagogic project of the University by providing high-level training, guidance and supervision of master students and PhD students within the lab in the framework of their master or PhD thesis.

You will develop your pedagogic skills corresponding to the vision of the KU Leuven on activating and research-based education and you will actively make use of didactic professionalization opportunities offered by the faculty and the university.

Service

- You will take responsibility in management tasks of the department and the faculty and in scientific and/or social communities.
- You provide relevant support to the molecular small animal imaging platform (MoSAIC <http://www.saic.be/>) and the Department of Nuclear Medicine (UZ Leuven).

Profile

- You have a PhD in either Pharmaceutical Sciences, Chemistry, Medical or Biomedical Sciences, Bioscience engineering or equivalent.
- You combine a strong chemical with an in-depth biomedical expertise and you have relevant experience in developing and applying radiotracers for in vivo molecular imaging and/or radionuclide therapy.
- An official certificate of radiopharmacist (Federal Agency for Nuclear Control) is a plus.
- Upon appointment, you have at least 3 years of postdoctoral experience with development of radiopharmaceuticals (design, precursor synthesis, radiochemistry and characterization, in vitro/in vivo preclinical validation studies and translation to human use); junior applicants are especially encouraged to apply.
- You have a strong research record and excellent teaching and training skills, in order to contribute to the research output of the laboratory and department and to the quality of its educational program. The high quality of your research should be evidenced by high-impact first and/or last author publications in international peer-reviewed journals.
- International research experience is mandatory.
- You have good organizational skills and you have a team-player attitude.
- You have leadership capacity within the University context.
- Proficiency in English is required. The official administrative language used at KU Leuven is Dutch. If you do not speak Dutch (or do not speak it well) at the start of employment, KU Leuven will provide language training to enable you to take part in administrative meetings.
Before teaching courses in Dutch or English, you will be given the opportunity to learn Dutch, respectively English, to the required standard.

Offer

- We are offering full-time employment in an intellectually challenging environment.
- KU Leuven is a research-intensive, internationally oriented University that carries out both fundamental and applied scientific research. It is highly inter- and multidisciplinary focused and strives for international excellence. In this regard, it actively works together with research partners in Belgium and abroad. It provides its students with an academic education based on high-quality scientific research.
- You will work in Leuven, a historic, dynamic and lively city located in the heart of Belgium, within 20 minutes from Brussels, the capital of the European Union, and less than two hours from Paris, London and Amsterdam.
- Depending on your record and qualifications, you will be appointed to or tenured in one of the grades of the senior academic staff: assistant professor, associate professor, professor or full professor. In principle, junior researchers are appointed as assistant professor on the tenure track for a period of 5 years; after this period and a positive evaluation, they are permanently appointed (or tenured) as an associate professor. If your teaching assignment is fully in English you are still expected to have sufficient command of Dutch to take part in departmental and faculty management meetings.
- KU Leuven is well set to welcome foreign professors and their family and provides practical support with regard to immigration & administration, housing, childcare, learning Dutch, partner career coaching, ...
To facilitate scientific onboarding and accelerate research in the first phase a starting grant of 100.000 euro is offered to new professors without substantial other funding, appointed for at least 50%.

Interested?

For more information please contact Prof. dr. Guy Bormans, tel.: +32 16 33 04 47, mail: guy.bormans@kuleuven.be or Prof. dr. Arthur Van Aerschot, tel.: +32 16 37 26 24, mail: arthur.vanaerschot@kuleuven.be.

For problems with online applying, please contact solliciteren@kuleuven.be.

You can apply for this job no later than November 30, 2019 via the online application tool :

<http://www.kuleuven.be/eapplyingforjobs/55145567>

KU Leuven seeks to foster an environment where all talents can flourish, regardless of gender, age, cultural background, nationality or impairments. If you have any questions relating to accessibility or support, please contact us at diversiteit.HR@kuleuven.be.