

Development and application of monoclonal antibodies for therapeutic and diagnostic use

Ref. ZAP-2019-66

The laboratory for Therapeutic and Diagnostic Antibodies is embedded in the Department of Pharmaceutical and Pharmacological Sciences of the Biomedical Sciences Group. This department is highly ranked in terms of its quality of research and education, and has an extensive national and international network for cooperation both in academia and in the business world.

The Therapeutic and Diagnostic Antibodies Laboratory has access to state-of-the-art research infrastructure, an extensive national and international network, connections with academic and non-academic hospitals and companies, a stable range of talented doctoral students and a supportive working environment.

<http://gbiomed.kuleuven.be/english/research/50000715/52453312/>

Duties

Research

- You conduct scientific research on the development and application of monoclonal antibodies, antibody fragments and nanobodies for therapeutic and diagnostic use.
- You publish the obtained results in high-impact journals and you attract competitive research funds.
- You actively collaborate with researchers from the Laboratory for Therapeutic and Diagnostic Antibodies and PharmAbs (www.pharmabs.org), doctors associated with academic and non-academic hospitals, with research groups from the Groups of Science and Technology and of Biomedical Sciences and with industry for the rapid translation of research results into concrete applications.
- You explore new lines of research in collaboration with researchers from the Department of Pharmaceutical and Pharmacological Sciences and the Biomedical Sciences Group.
- You contribute through your expertise to the further expansion of the Laboratory for Therapeutic and Diagnostic Antibodies and you implement new supporting techniques and technologies in order to achieve a scientific output that adheres to the highest international standards.
- You encourage and guide Master's and PhD students in their research projects in an international context.
- You identify opportunities for the valorization of your research results in collaboration with a valorization manager and the technology transfer department of Leuven Research and Development.

Teaching

Your teaching assignment will be determined in consultation based on your specific profile and will include lectures, interactive workshops and practical exercises in the field of biotechnological drug production and cell biology.

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 take responsibility for administrative and management tasks in the department and the faculty and in scientific and social organizations.
- You offer support to PharmAbs, to academic and non-academic hospitals and to research groups from the Groups of Science and Technology and of Biomedical Sciences.

Profile

- You have a PhD in Pharmaceutical Sciences, Sciences or Biomedical Sciences or equivalent. You combine excellent bio(techno)logical knowledge with a strong biomedical insight and interest in biological medicines.
- Upon appointment, you have at least 3 years of postdoctoral experience with the production, purification, quality control and / or application of proteins, preferably monoclonal antibodies.
- Knowledge about the development and validation of immunoassays is a plus as well as experience with monitoring drug concentration and immunogenicity of biological drugs.
- Junior candidates are specifically 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 the department and the quality of the faculty's training program. The quality of your research should be evidenced by high-impact first and / or last author publications in leading international 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.
- An excellent command of English, both oral and written, 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.
- 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. Paul Declerck, tel.: +32 16 32 34 31, mail: paul.declerck@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 September 30, 2019 via the online application tool :

<http://www.kuleuven.be/eapplyingforjobs/55143207>

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.