

Full-time post-doctoral position in Brussels, Belgium (UCLouvain) – 2 years

The laboratory of integrated Pharmacometrics, pharmacokinetics and pharmacogenomics (PMGK) at the Louvain Drug Research Institute (LDRI, UCLouvain), is seeking for a post-doctoral researcher focus on integrating multiple types of –omics data (mainly microbiomics, transcriptomics and genomics) to identify biological determinants of drug pharmacokinetics and their interaction in the context of kidney transplantation and immunosuppressive treatments. This project is financed through an Incentive grant for scientific research founded by the Fonds National de la Recherche scientifique (FNRS). Ideally, the candidate will have a strong data science background and knowledge in pharmacokinetic modelling, statistical/bioinformatic methods to integrate multiple biological data types.

Responsibilities to include:

- Lead and support analyses of pharmacokinetic, omics data and biological network examination
- Apply existing advanced statistical methods and/or develop new method of biological data integration with existing or new statistical softwares.
- Development of IT tools for data visualization
- Collaborate with international teams of leaders in the field of transplantation.
- Publish findings in peer-reviewed journals in lead and support authorship roles.
- Present findings at professional society and other scientific conferences.
- Assist with submission of grant proposals.

Required qualifications/education

- PhD in a –omics/biostatistics, population-based pharmacokinetics or other related fields
- Strong quantitative skills with omics data and concrete knowledge/education in statistics
- Background in the field of immunosuppressive treatment knowledge and transplantation is an asset (at least an interest in this topic is necessary)
- Fluent in English and strong oral/written communication skills
- Ability to manage multiple tasks simultaneously, to supervise PhD/master students/technical staff and to work in collaboration with multiple research groups
- Having a certificate in animal experimentation is clearly a significant advantage

Opportunities

- Receive training and supervision from a multidisciplinary team with expertise in pharmacokinetics, gut microbiota related disorders, clinical pharmacogenetics and transplantation
- Develop collaboration with international experts (The Netherlands, France, US, Spain and Belgium mainly)
- Acquire mentorship and independent research program management

Interested? Please contact laure.elens@uclouvain.be