POST-DOC

AREA: MEDICAL GENETIC

START DATE: 01/10/2023 | DEADLINE: 31/08/2023

The University of Liège is an accomplished research institution with more than 3500 researchers and over 2000 doctoral students active across all disciplines: humanities and social sciences, life sciences, health sciences, and medicine. Researchers at ULiège have many opportunities to expand their networks and connections.

Moreover, ULiège welcomes every year numerous researchers, national as well as foreign researchers thanks to the EURAXESS contact center. ULiège seeks to be an attractive research institution by improving working conditions for researchers using the HR Strategy for Researchers (HRS4R), creating an inclusive and supportive research environment through the free of charge assistance mechanism offered to incoming researchers and their families or providing conditions for open, transparent, and merit-based recruitment of research positions.

For more details about what ULiège can offer you as a foreign researcher, please see https://www.recherche.uliege.be/cms/c_9281209/en/mobilite-euraxess or contact: euraxess@uliege.be.

ABOUT THE PROJECT

The Human Genetics of CHU Liège and Pediatrics departments of Citadelle Hospital of Liege, in association with GIGA-Research Center, launched a genomic medicine project in newborn screening.

Current advances in the treatment of rare diseases lead newborn screening programs to consider a constantly growing number of disorders. For most of newly developed treatments, early or pre-symptomatic administration of the therapy is strongly correlated with higher life expectancy, avoidance of severe disabilities, and fewer complications during the course of life.

Currently, newborn screening programs face limitations in identifying disorders with no metabolic or endocrine biomarkers. In this context, the Baby Detect project aims to establish a dynamic genomic neonatal screening, which not only detects the commonly listed disorders but also considers the inclusion of new genetic diseases in a timely and economical fashion, in order to accelerate clinical development and maximize the effect of innovative new therapies.

Baby Detect has been running since September 2022 and almost 2,000 children have already been screened.
JOB DESCRIPTION

Post-doc medical genetics

SPECIFIC DUTIES & ACTIVITIES

- To participate in the development and validation of a genomic sequencing platform for newborn screening (from DNA extraction of dried blood spots to variants reporting) with respect to clinical quality standards.
- To set up bioinformatic protocols, in collaboration with our bio-informatic team, for variants, indels and CNVs detection, filtering and interpretation.
- To manage heterogenous databases (newborns, variants…) and registries.
- To organize and/or participate in molecular boards for variant interpretation and clinical reports.
- To integrate genomic data with biochemical results, when appropriate.
- To collaborate with clinicians for gene selection, data interpretation and panel evolutions (gene and variants).
- To write, review and publish lab SOPs.
- To ensure compliance to quality standards set by regulations, procedures, and mission.
- To support science communication efforts including conferences and writing articles

YOUR PROFILE

- **Required skills:**
  - Scientist with experience in Next-Generation Sequencing in the field of human genetics, preferably constitutional genetics, and in a medical environment.
  - Good knowledge of the bio-informatic tools for variant calling and interpretation. Ability to collaborate with the bio-informatic team for specific developments.
  - Ability to organize and prioritize work duties and to function as a team-member; an experience in project management would be a plus.

- **Desirable skills:**
  - Ability to write scientific article.

- **Soft skills:**
  - Ability to work with a multidisciplinary team and to interact with all the partners from the hospital and the GIGA-Research unit.
  - Ability to encourage positive dynamics within the team.
  - Communication
JOB OFFER
Post-doc Geneticist Baby Detect

Languages:
- English is mandatory.
- French is appreciated.

EMPLOYMENT TERMS
- Type of contract: CDD
- Length of contract: 1 year (renewable for 2 years)
- Start date: 01/10/2023

OUR OFFER
Basic gross monthly salary for full-time work: 52,440 euros (it’s a bourse from university so, no tax)

WHAT ABOUT TRAININGS?

WORK ENVIRONMENT
In the genetics unit, but you can also attend consultations with Professor Laurent Servais in neuropaediatric.

HOW TO APPLY
Please send the following documents to tamara.dangouloff@uliege.be, f.boemer@chuliege.be and laurent.servais@paediatrics.ox.ac.uk by 31/08/2023:
- CV
- letter of motivation

SELECTION PROCEDURE
- Examination of applications
- Zoom meeting or at our offices, subject to availability.
- Selection committee: François Boemer, Laurent Servais, Kristine Hovhannesyan and Tamara Dangouloff
CONTACT DETAILS AND FURTHER INFORMATION

Informal inquiries about the project are welcome. Please feel free to contact François Boemer or Tamara Dangoulloff by email (tamara.dangoulloff@uliege.be or f.boemer@chuliege.be) phone (+33 66 24 38 138)

Release date: 03/07/2023
Information on the processing of your personal data

The personal data collected follow your application will be processed by Tamara Dangoulloff of the University of Liege for the purpose of organizing the selection and recruitment.

These data will be processed based on the execution of pre-contractual measures (art. 6-1, b. of the RGPD).

These data will be kept for the duration of the selection procedure and, at the most, 9 months after the publication of the job offer. This data will not be passed on to third parties.

In accordance with the provisions of the General Data Protection Regulation (EU 2016/679), you may exercise your rights relating to this personal data (right of access, rectification, deletion, limitation, and portability) by contacting the ULiège Data Protection Officer (dpo@uliege.be - Mr. Data Protection Officer, Bât. B9 Cellule "GDPR", Quartier Village 3, Boulevard de Colonster 2, 4000 Liège, Belgium). You also have the right to lodge a complaint with the Data Protection Authority (https://www.autoriteprotectiondonnees.be, contact@apd-gba.be).