



Laboratoire national de santé (Luxembourg public institution)

is recruiting a **Clinical Laboratory Geneticist / Cytogeneticist / Biologist** (m/f) for a **full time** (40 h/week) role and a **permanent contract** at the National Center of Genetics in Cytogenetics

About LNS

The Laboratoire national de santé (LNS) is a public institution operating under the supervision of the Ministry of Health in Luxembourg. The LNS is a multidisciplinary institute and comprises six medical disciplines, including pathology, clinical chemistry, microbiology, forensic medicine, health protection and genetics (www.lns.lu).

The LNS has its new premises in Dudelange, with modern infrastructure in line with recent developments in medical sciences. Its objective is to develop scientific and analytical expertise related to the prevention, diagnosis and monitoring of human diseases. Its ultimate mission is to serve patients and citizens and offer excellence in health care.

The National Center of Genetics (NCG), at the Laboratoire National de Santé, is responsible for human genetic care in Luxembourg. One of the goals of the NCG is to build up genomic medicine and precision oncology, using a state of the art sequencing facility, and to provide high-level health care to the Luxembourgish population. The NCG is a major stakeholder of two national public health programs: the Plan National Maladie Rare and the Plan National Cancer.

The Cytogenetics team is involved in prenatal diagnosis of chromosomal anomalies and responsible for cytogenetics analysis on prenatal samples with several techniques (CGH-array, FISH, QF-PCR, Karyotyping) as in postnatal context to diagnose developmental disorders, fertility problems (Karyotyping, *CFTR*, microdeletion of Y).

A main part of our activity is prenatal screening of chromosomal anomalies by NIPT using a the full-automated Veriseq V2 solution. We are also working in close collaboration with medical biochemistry unit in the frame of neonatal screening of cystic fibrosis.

Main activities

- Participating in the daily management of the laboratory
- Drafting of clinical cytogenetics and molecular genetic reports
Optimizing existing methods and developing new ones
- Participation in the development and maintenance of a quality system based on (ISO 15189)
- Participating in external quality control trials
- Training and supervision of the technicians
- Participating to clinical staff meeting at National Center of Genetics and in other pluridisciplinary meeting (prenatal ...)
- Possibility to participate in the development of research projects and applying scientific knowledge in expanding the diagnostic and research portfolio of the NCG

QUALIFICATIONS AND SKILLS REQUIRED

- PhD / Master sciences in Genetics or other similar qualification in clinical genetics
- Previous significant working experience in a diagnostic cytogenetics laboratory is mandatory (several years)
- Experience in interpretation of different cytogenetics analysis (conventional karyotyping, CGH-array, FISH)
- Experience in drafting clinical reports
- Willingness to take on responsibility
- Ability to work in a team, good communications skills
- High commitment and strong interest in constitutional cytogenetics
- Proficiency with a LIMS system
- Experience with quality (ISO 15189)
- Fluent in English. Working proficiency in French. Luxembourgish is an asset

We offer you

- A varied and challenging job
- Attractive remuneration taking into account your personal requirements
- Individual development opportunities and regular opportunities for further education and training

For informal enquiries, please contact:

Dr.Pharm.Biol Dominique Bourgeois, responsible of the Cytogenetics unit by e-mail: dominique.bourgeois@lns.etat.lu or by phone: +352 28 100 545

If you are interested to join us, please submit your application (CV, letter of intent and copies of your degrees) on our career website: www.lns.etat.lu/jobs.