

The mission of the Berlin Institute of Health at Charité (BIH) is medical translation: transferring biomedical research findings into novel approaches to personalized prediction, prevention, diagnostics and therapy and, conversely, using clinical observations to develop new research ideas. The aim of its more than 400 scientists is to deliver relevant medical benefits to patients and the population at large. The BIH is also committed to establishing a comprehensive translational ecosystem as translational research unit at Charité – one that places emphasis on a system-wide understanding of health and disease and that promotes change in the biomedical research culture. The BIH was founded in 2013 and is funded 90 percent by the Federal Ministry of Education and Research (BMBF) and 10 percent by the State of Berlin. The two founding institutions, Charité – Universitätsmedizin Berlin and Max-Delbrück-Center for Molecular Medicine in the Helmholtz Association (MDC), were independent member entities within the BIH until 2020. As of 2021, the BIH has been integrated into Charité as its third pillar; the MDC is privileged partner of the BIH.

For the lab of Prof. Dr. Ludovic Vallier at the Center for Regenerative Therapy (BCRT) at the BIH we are looking from **the next possible date limited until the 30.06.2027** for a

### PostDoc (f/m/d)

This position is advertised conditional on the provision of third party funds that are not yet contractually guaranteed.

A PostDoc position is available in the lab of Prof. Dr. Ludovic Vallier who will join the Charité and Berlin Institute of Health as a Einstein Professor of Stem Cell biology. We are an experienced and very enthusiastic group looking for people willing to contribute to our translational research aiming to find novel treatments against liver diseases. The Vallier lab will be located at the BIH Centre for Regenerative Therapies (BCRT) on the Virchow Clinic Campus of the Charité. The Vallier lab based at the BCRT will take advantage of human-induced pluripotent stem cells and primary organoids to understand liver development in human and to generate cells with a clinical interest for modelling diseases and for cell-based therapies applications.

#### Your area of responsibility:

The candidate will work on a project aiming to understand the molecular mechanisms controlling regenerative processes in chronic liver diseases. For that, we plan to combine existing single cell data set to identify factors which control this process during disease progression in human especially NAFLD/NASH. These factors will then be validated using human-induced pluripotent stem cells and cholangiocytes organoids in vitro. Further molecular analyses will involve gain and loss of functions experiments associated with epigenetic analyses such as CHIP-Seq. Finally, key factors will be studied in mouse models using Knock out approach.

#### Your profile:

- PhD or equivalent in cell or stem cell biology
- Strong experience in tissue culture especially with in human pluripotent stem cell culture and/or organoids derived from primary tissue, differentiation, and characterization
- Solid background in liver biology
- Experience with animal models
- Experience in flow cytometry, QPCR, expression profiling, confocal imaging, CRISPR/Cas9 genome editing, and CHIP-Seq
- Experience in working independently while keeping a strong team spirit
- At least one publication with first authorship
- Strong self-motivation, organizational skills, and ability to lead and develop scientific projects
- Scientific curiosity, analytical thinking, and interest in contributing to projects
- Ability to work in a team of young scientists, to be flexible, and flourish in a fast-paced environment

- Strong communication and interpersonal skills, ability to work, collaborate effectively with individuals of different backgrounds in a multidisciplinary team, team orientated with excellent organizational skills including project management and good record keeping important
- Fluent English
- The ability to condense and present scientific results to both scientific and non-specialist audiences

#### We offer:

- A varied job in a forward-looking research institute
- 1 temporary full-time positions (39 hours/week)
- Remuneration up to E13 TVÖD VKA-K: The grouping takes into consideration the qualifications and the personal circumstances of the candidate
- Additional benefits customary in the public sector (including annual bonus, VBL)
- 30 vacation days per year (with a five-day week) and up to 24 flexdays per year
- Family - friendly, flexible working hours for better work-life balance

#### We live diversity!

BIH strongly encourages qualified women to apply. Applications from people with an immigrant background who meet the hiring requirements are expressly encouraged. Severely disabled applicants and those with equal status will be given preferential consideration in cases of equal suitability.

Note: In the case of foreign university degrees, we draw your attention to the possible need for the ZAB to issue a certificate evaluation. More information can be found at:

[www.kmk.org/zab/zentralstelle-fuer-auslaendisches-bildungswesen.html](http://www.kmk.org/zab/zentralstelle-fuer-auslaendisches-bildungswesen.html)

Please submit your application via the BIH Career portal <https://jobs.bihealth.org> until **30.11.2022**, quoting the **reference number BIH-152.22**. We are looking forward to hear from you!

You can find more information about BIH at

[www.bihealth.org/en/](http://www.bihealth.org/en/)