

The mission of the Berlin Institute of Health (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 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 area 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 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 the so-called third pillar; the MDC is privileged partner of the BIH.

The Center of Biological Design at BIH is looking for a full-time

Postdoc in Bioengineering Human Disease Models (f/m/d)

The Hedtrich lab in the Berlin Institute of Health at Charité is looking for a full-time postdoc to bioengineer human disease models of human epithelia. An early as possible start date is preferred. We are a young and enthusiastic group looking for people willing to contribute to our exciting research. The Hedtrich lab will be located in the just recently inaugurated research building Kaethe-Beutler-Haus on Berlin-Buch campus which is in close proximity to clinical departments, the MDC, and the FMP.

Job description:

The research project aims for bioengineering of complex human-based disease models of human epithelia with focus on skin and lung. Emphasis will be on iPSC-based approaches to emulate inflammatory and infectious diseases in a human-based setting. After developing the methods and protocols for iPSC-based disease models, the models will be leveraged to unravel disease-related mechanisms in single state and multi-organ settings.

The development of own research projects and ideas will be endorsed and encouraged. Further, the establishment of an independent profile as well as tailored career-planning will be offered to the successful incumbent.

Requirements:

- Applicants should have a PhD in biomedical engineering, pharmaceutical sciences, biochemistry, or a related field with relevant experience.
- Applicants with expertise in human-based disease modeling, bioengineering, (primary) cell culture, and standard biomolecular methods such as ELISA, Western Blot, qPCR will be preferred.
- Further, experience with iPSCs and/or organ-on-chip devices are considered strong assets.
- Successful candidates will be expected to take the lead within these projects, to publish manuscripts as a first author, and to present their data at conferences and lab meetings.
- The Hedtrich lab focuses on tackling and understanding inflammatory and genetic diseases of the skin and the lung. Research projects within the lab are highly interdisciplinary and routinely require intensive collaborations with groups from other disciplines.

We offer:

- A varied job in a forward-looking research institute,
- A temporary full-time position (39 hours/week),
- Remuneration up to E13 TVöD VKA: 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 floating days per year.
- Appointment duration: until 31.03.2026
- 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.

Please submit your application via the BIH Career portal <https://jobs.bihealth.org> by **31.03.2022**, quoting the **reference number BIH-131.22**. We are looking forward to hear from you!

You can find more information about BIH at

www.bihealth.org/en/