

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.

For the Brain simulation section of the BIH we are looking for from
The next possible date limited until the 31.03.2025 a

Research Scientist (f/m/d)

The Brain Simulation Section (brainsimulation.org) of Charité – Universitätsmedizin Berlin seeks a Research Scientist for further developing our our Brain Simulation platform Virtual Brain Cloud. Our offices are located in Berlin, Germany. Our team of scientists and engineers builds data science platforms that address the needs for secure collaborative research on sensitive patient data on shared infrastructures like cloud platforms and high-performance computers. Our platforms are built with a focus on privacy by design and by default to ensure that neuroscience and medical research on personal health data (like magnetic resonance images of the brain, genomes, and clinical assessments) can be performed without compromising the privacy of patients and research participants. The position comes with the opportunity to work and develop your skills in a multidisciplinary team.

Your area of responsibility:

- Development of biophysical computational models of the brain
- Running simulations on high performance computer clusters
- Complex analyses of multimodal experimental and simulated brain data
- Software development
- Writing scientific publications
- Presenting research results

Your profile:

- Scientific Academic degree in Physics or equivalent
- 1+ years of Programming Skills
 - Python
 - Java/C# - RESTful web services)
- 1+ years of experience with Computational modeling
 - Nonlinear dynamics
 - Control theory

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-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 floating days 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.

Please submit your application via the BIH Career portal <https://jobs.bihealth.org> until **27.05.2022**, quoting the **reference number BIH-63.22**. We are looking forward to hear from you!

You can find more information about BIH at www.bihealth.org/en/