

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 next possible date the BIH is looking for an

Engineer/Instrument specialist (f/m/d)

In mass spectrometry-based metabolite and protein analysis for the BIH Metabolomics and Proteomics technology platforms, the main task is to maintain and keep the instruments running.

Job description:

Maintenance, operation, and repair of GC and HPLC-MS systems:

- Repair and maintenance of related equipment and assorted small equipment, including liaising with instrument companies and internal contacts; current instruments include Thermo Vanquish Neo & nLC1200, Eksigent ekspert nanoLC, Agilent 1290 Infinity, and mass spectrometers, such as the Thermo Exploris Series, Q Exactive Series Orbitrap Fusion, Quantiva Sciex 5500 and Leco BT GC-MS systems
- Regular quality assessment of LC-MS and GC-MS instruments with metabolite and protein/peptide standards
- Maintenance, operation, and repair of sample preparation robots, such as the Agilent Bravo Liquid Handling & a custom Zinsser robot
- Support of data management in LIMS systems
- Contribution to general lab organization (ordering, solvent preparation, and protocol documentation, etc.)
- Development and validation of new methods e.g. for automated sample preparation, chromatography and mass spectrometry analysis of metabolites and proteins/peptides, including data analysis
- Participation in conferences, meetings and further training to maintain the platforms at the highest technological level

Requirements:

- bachelor degree either in an appropriate engineering subject or related degree, or a Bachelor degree and more than three years of experience in a bio-analytical research lab, and a strong focus on maintenance and repair of LC- and GC-MS devices
- Affinity for complex technical instruments is a requirement

- Track record on identifying, pursuing and fixing problems of a technical nature and experience in the operation of GC-MS, LC-MS and sample preparation robots is an advantage
- Ability to independently seek out and understand new technical information and keep up to date is essential
- Computer literate, knowledge of coding is a strong plus
- Knowledge of either R or Python is an advantage
- Understanding of the physics of mass spectrometry is an advantage
- Attention to detail and the ability to be independently highly organized
- High accuracy, reliability and exact documentation, communication skills as well as the ability to follow through and complete work in a timely manner
- Team work skills are required
- Strong motivation and sense of responsibility
- Good English and technical German are required

We offer:

- A collaborative research environment that encourages and supports scientific curiosity, innovation, and development of its team members
- Remuneration according up to **E 12 TVÖD VKA**: The grouping takes into consideration the qualifications and the personal circumstances of the candidate
- **A full-time position (39h/week)**
- **Appointment duration: unlimited**
- 30 vacation days per year (with a five-day week) and up to 24 flextime days per year
- Additional benefits customary in the public sector (e.g. annual bonus, VBL)
- Family - friendly, flexible working hours and homeoffice option 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 **3rd of December 2022**, quoting the **reference number BIH.147-22**. We are looking forward to hear from you!

Please note: If you have a foreign university degree, we would like to draw your attention to the fact that you may need to obtain a certificate from the ZAB. You can find more information at: <https://www.kmk.org/zab/zentralstelle-fuer-auslaendisches-bildungswesen.html>

Please contact Jennifer Kirwan (E-Mail: jennifer.kirwan@bih-charite.de) if you have any questions about this position.

You can find more information about BIH at

<https://www.bihealth.org/en/>