



The Charité is one of the largest university hospitals in Europe and represents a single medical faculty, which serves both Humboldt Universität zu Berlin and Freie Universität Berlin. Our clinical care, research and teaching is delivered by physicians and researchers of the highest international standard. Charité proudly lays claim to more than half of all German Nobel Prize winners in Physiology or Medicine. Charité is internationally renowned for its excellence in teaching and training. Charité extends over four campuses, and has about 100 different Departments and Institutes, clustered in 17 CharitéCenters. Today, the Charité is one of the largest employers in Berlin, employing 13,200 staff and with a total annual turnover of €1.6 billion. Charité is certified by the audit “family-friendly university” and a member of the “Dual Career Network Berlin” (www.dualcareer-berlin.de).

Berlin Institute of Health (BIH) is a biomedical research institution focusing on translational research and digital health. BIH is dedicated to improving the prediction in progressive diseases and developing advanced therapies for unmet medical needs in order to improve patients' health and quality of life. The Institute is committed to providing excellent research solutions and innovation enabling value-based, personalized healthcare. The two founding institutions, Charité – Universitätsmedizin Berlin and Max Delbrück Center for Molecular Medicine in the Helmholtz Association (MDC), are independent member entities within BIH.

Charité – Universitätsmedizin Berlin and Berlin Institute of Health (BIH) jointly invite applications for the following position commencing as soon as possible:

Associate or Full Professorship in Computational Medicine (tenure track)
(Salary group: W2/W3 BBesG)
Reference number: Prof. 534/2019

Charité and BIH seek to fill this position with an outstanding scientist with an excellent track record in the area of computational medicine, including but not restricted to the following areas: computational systems medicine, bioinformatics, data sciences, machine learning, integrated analysis of multidimensional data (e.g., omics, imaging, population health and clinical data). A proven impact of the computational approaches in at least one disease area such as oncology, cardiology, neurology, or infection and immunity is expected. The candidate should have experience in either computational modeling of diseases or data analytics of complex molecular and/or clinical data and should be able to demonstrate the impact of the computational approaches for clinical translation. Proven experience in machine learning or other areas of artificial intelligence would be advantageous.

An excellent publication record demonstrating the quality of the research and a strong funding record are expected, as well as experience in the initiation of third-party funded, interdisciplinary national and international research projects. The successful candidate will be engaged in teaching activities, supervise Master and Doctoral candidates, and participate in academic self-organization.

The tenure track appointment will be initially for five years with a salary according to the W2 or W3 level depending on the qualification, standing, and personal experience of the selected candidate. The appointment will be tenured after five years depending on positive evaluation. The appointment comes with a competitive tenure-package for an independent research group which will be negotiated during the recruitment and additional allowances may be granted. Thereafter, the package will be subject to regular performance reviews every five years.

The independent professorship will be part of the Digital Health Centre (chair: Prof. Roland Eils) and the rapidly evolving Digital Medicine Platform from BIH, Charité and MDC. Two appointments for professorships for genomics/imaging and medical informatics are underway and recruitment of several junior group leaders will be initiated shortly. The Digital Health Centre is equipped with state-of-the-art IT hardware presenting one of the largest data science facilities in Germany.

The BIH research commons also facilitates cooperation with related research areas, e.g., in omics, bioinformatics, biometrics and big data science. We expect that the successful candidate will strengthen the contribution of the Charité and the BIH to the Medical Informatics Initiative funded by the Federal Ministry for Education and Research (BMBF).

Qualifications: as per § 100 Berlin Higher Education Act (BerLHG) junior professorship or post-doctoral thesis (Habilitation), or equivalent scientific achievement and teaching qualification. Completed university degree as well as doctorate (Ph.D and/or M.D.) in medicine, informatics, mathematics, or natural sciences with significant post-doctoral experience.

Charité and BIH are committed to increasing the proportion of women among the scientific staff, therefore we strongly encourage women to apply. Women will be given preference over equally qualified men (within the framework of the legal possibilities). Candidates with immigrant background who fulfill the necessary requirements are explicitly encouraged to apply. Equally qualified applicants with disabilities will be given preference.

Written applications according to the format specified on https://career.charite.de/am/calls/application_notes.pdf should be submitted by **26.03. 2019** at <https://career.charite.de>. Please submit, as part the requested short concept of the professorship, a proposal of about 2-3 pages in English outlining the plan for your future in Berlin. This should include ideas or future research and how these will tie in with the existing entities at the BIH and the Charité.

Content-related inquiries about the position should be directed to the Dean of the Medical Faculty of the Charité, Prof. Dr. Axel R. Pries (axel.pries@charite.de) or to the founding director of the Digital Health Centre, Prof. Dr. Roland Eils (roland.eils@bihealth.de).