

The **Berlin Center for Translational Vascular Biomedicine**, jointly founded by the MAX DELBRÜCK CENTER FOR MOLECULAR MEDICINE (MDC) in the Helmholtz Association, the BERLIN INSTITUTE OF HEALTH (BIH), and CHARITÉ UNIVERSITÄTSMEDIZIN BERLIN, is an interdisciplinary scientific network that fosters translation in the field of vascular biomedicine. It enables the integration of experimental and clinical research based on clinical cohorts, novel humanized disease models, generative computational modelling and clinical data science approaches. The Berlin Center for Translational Vascular Biomedicine combines leading knowledge in basic science with medical expertise and thereby promotes the transfer of scientific insight to clinical application. Through the Center's synergistic approach, creativity, know-how and technologies are bundled to develop new therapies and personalised strategies for diagnosing and treating a wide range of disorders with unmet medical needs.

Pursuing its mission, the Center is looking to expand through the recruitment of an **Independent Group Leader in Data Science (m/f/d)** focusing on computational modelling and data science that is applicable to vascular biomedicine.

We seek applications from outstanding researchers with postdoctoral expertise in computational biology or data science to develop their own research program and contribute to the translational research of the [Berlin Center for Translational Vascular Biomedicine](#). Because of its integrative and pervasive nature, vascular biomedicine is built on interdisciplinary research at the interface of immunology, oncology, metabolism, and cardio- and neuroscience. Moreover, it offers manifold interactions with the existing research alliances and data science clusters in Berlin, such as the [MDC Data Science Focus Area](#) and the [BIH Translation Hub Digital Medicine](#).

We are looking for candidates with expertise in areas including, but not limited to: complex dynamic systems, modelling of processes in single cells, data science in GWAS studies, biomechanics and computational genomics. Experience in combining experimental and computational approaches is a plus. Candidates who develop novel computational methodology and/or pursue basic research questions in vascular biomedicine, without an immediate potential for translation, are also strongly encouraged to apply.

The candidate will be offered an independent group leader position (principal investigator position) which includes substantial funding for five years with an option for extension or tenure upon evaluation. Applicants are expected to conduct visionary independent research, obtain extramural funding and engage in collaborative projects with groups at the BIH, MDC and Berlin universities. The position will be recruited by the MDC and affiliated with the Berlin Institute of Health (BIH). The group will be physically located in the new Käthe-Beutler research building on the Life Science Research Campus Berlin-Buch and integrated into the highly collaborative and vibrant scientific environment across the city of Berlin. The MDC seeks to fill this position with an outstanding scientist with an excellent track record.

For enquiries about the position, please contact Cornelia Maurer (maurer@mdc-berlin.de). For scientific questions, please contact Holger Gerhardt (holger.gerhardt@mdc-berlin.de). More information about the Berlin Center for

Translational Vascular Biomedicine can be found on our website (<https://www.bihealth.org/en/research/focus-areas/vascular-biomedicine>).

The MDC is committed to **diversity** and actively supports **equal opportunities** for all employees regardless of their origin, nationality, religion, ideology, disability, age or sexual identity. We look forward to applications from people who are open-minded and enjoy working collaboratively. The MDC is certified by the “**work and family**” audit and provides an inclusive and family-friendly environment. The MDC aims to increase the proportion of women in scientific leadership positions and therefore expressly invites qualified female candidates to apply. Applications should be submitted to the web-based application portal (<https://application.mdc-berlin.de>) by **August 31, 2021** and include a detailed curriculum vitae, list of publications, contact details of three referees, and a scientific proposal for the research group (5 pages are recommended, excluding figures). Please submit your application as one file, pdf format, maximum size 8 MB.