

## Project Group Leader Computational Chemistry / Chemoinformatics (m/f/d)

The Leibniz Institute of Plant Biochemistry is a public, non-profit research institute and a member of the Leibniz association. The Dept. Bioorganic Chemistry has a strong history in the development and application of computational tools and informatics in medicinal, natural products and plant protection chemistry and biology.

We offer a very exciting, highly interdisciplinary and excellently equipped research environment in one of Europe's top natural product research institutions. We work in both areas basic science and applied research – usually in cooperation with partners from academia and industry.

We seek a long-term postdoctoral fellow or senior scientist with the ability to act as project group leader in collaborative projects of our department and beyond. Your task will involve the theoretical support of our current and future research projects with enough freedom to additionally develop own projects fitting our general line of research. You should have a PhD in Chemistry, Pharmacy, Bio-Informatics, Biochemistry, Science Informatics or a related topic and proven experience in the area.

Typical tasks of our interdisciplinary work involve intelligent data mining, chemo- and bioinformatic analyses, protein-3D-structure homology modelling, in silico screening, QSAR, and statistical analyses of spectroscopic and literature data. Additional knowledge in calculating electronic transitions, e.g. in studies on enzymes catalytic mechanisms by semi-empiric or QM (DFT)/MM methods is welcome.

You should master a programming language (C++, Python, R or similar) and Linux, and are acquainted with MOE (Molecular Operating Environment). Experience with SVL (Scientific Vector Language) and any force field program (AMBER, CHARMM or GROMOS) is beneficial but not mandatory.

As a project group leader, you are integrative with excellent active communication skills in English. You are willing to contribute to project management and organizational tasks at dept. and institute level. You have experience in the guidance of students, in drafting scientific manuscripts and ideally proposals. Basic knowledge of German is beneficial.

Depending on your experience, the position may start on a two-year term, but under certain circumstances may be extended or become permanent. It offers all the benefits of a public institutions work contract under the TV-L (state of Saxony-Anhalt).

Information can be obtained from Professor Dr. Ludger Wessjohann, [wessjohann@ipb-halle.de](mailto:wessjohann@ipb-halle.de), Tel. +49 345 5582-1301, or on technical details from Dr. Wolfgang Brandt, [wolfgang.brandt@ipb-halle.de](mailto:wolfgang.brandt@ipb-halle.de).

Applications should only be send electronically only to [bewerbungen@ipb-halle.de](mailto:bewerbungen@ipb-halle.de), starting the opening no. 7/2020. They should contain a cv, a list of skills and experiences, pdfs of the three most important publications or thesis, two recommendation names (+ email), and a prospective earliest starting date.

Please notice our data protection information for applicants (m/f/d) according to Article 13 and 14 GDPR concerning data protection processing in the application process: <https://www.ipb-halle.de/en/career/data-protection-information-for-applicants/>

Applications received after June 28th may not be considered.