

The **Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute** (Leibniz-HKI, www.leibniz-hki.de) investigates the pathobiology of human-pathogenic fungi and identifies targets for the development of novel natural product-based antibiotics. Talented and highly qualified candidates are invited to apply for a position in the department **Molecular and Applied Microbiology** as a

Postdoctoral Researcher (f/div/m) in Viral Therapeutics

for two years initially.

Research Areas: Virology, Nanoparticles, Confocal Laser Scanning Microscopy

This project is part of a Federal Ministry for Education and Research (BMBF) funded research project that is bringing together various expertise to develop novel therapeutic concepts against SARS-CoV-2.

The field of study:

The successful candidate will work on new therapeutic approaches based on virus-binding nanoparticles to combat SARS-CoV-2 infections in the trans-regional project VIKON.

The main topics of the project include:

- Establishment of fluorescence microscopy-based methods to monitor the binding and uptake of virus aggregates by host cells
- Cell-based *in vitro*-models for testing the therapeutic potential of nanoparticles
- Participation in the design and production of nanoparticle conjugates

Required Qualifications:

- PhD in molecular biology, biochemistry, virology, infection biology, or related discipline. Candidates about to obtain their degree are welcome to apply
- Experimental background in fluorescence microscopy (incl. CLSM), cell cultivation and cell-based assays
- General knowledge about virology and infection biology. Experience in recombinant protein production would be preferable
- The candidate should be willing and able to work in an international, interdisciplinary research team

Job Advertisement

Leibniz-HKI-63/2021



Leibniz Institute
for Natural Product Research
and Infection Biology
Hans Knöll Institute

We offer:

The successful candidate will be hosted in the research group **Molecular and Applied Microbiology** of **Prof. Dr. Axel Brakhage**. The Leibniz-HKI is embedded in the outstanding scientific environment of the Beutenberg Campus providing state-of-the-art research facilities and a highly integrative network of life science groups. We offer a multifaceted, interdisciplinary scientific project with excellent technical facilities and strong scientific collaborations. The postdoc candidate is granted the possibility to get extra skills training at the Graduate Academy of the Friedrich Schiller University in Jena.

Salary is paid according to German TV-L (salary agreement for public service employees). As an equal opportunity employer, the Leibniz-HKI is committed to increasing the percentage of female scientists and therefore especially encourages them to apply.

Further information:

Prof. Axel Brakhage | +49 3641 532 1001 | career@leibniz-hki.de

Applications:

Complete applications in English or German should include a cover letter, a CV containing a complete list of publications, a brief statement of research experiences, the addresses of two possible referees, relevant credentials and should be submitted via the Leibniz-HKI **online application system**. The deadline for the advertisement is **January 21, 2022**, but applications will be reviewed on a rolling basis.