



PostDoc position

available at the Institute of Virology, Saarland University
Homburg/Saar, Germany
2 years, with possible extension, TV-L E13

Project: BK Polyomavirus, Virus Evolution and Drug discovery

We are looking for a highly motivated co-worker with strong research interest in molecular virology, cell and molecular biology.

BK polyomaviruses are a major cause of kidney disease in renal transplant recipients. Although there is a strong demand, no antiviral drugs are available.

Our group has established a novel replication assay for patient-derived BK polyomaviruses. This enables us to identify the key mechanisms of BK-viral replication, viral evolution occurring in patients and pathogenesis of BK virus induced disease. We use a wide range of cell biology, virology and molecular techniques including 3-dimensional tissue culture models, scRNAseq, drug susceptibility and resistance pathway analyses, flow cytometry or chromatin immunoprecipitation (ChIP). An excellent international scientific environment at the Saarland University and Helmholtz Institute for Pharmaceutical Research (HIPS), the access to valuable patient material at the diagnostic department of the institute, and close collaborations with clinical departments facilitate translation of research results into novel therapies against BK polyomaviruses in our project ANTIPOLE*.

Candidates should have a strong background in virology, cell and molecular biology. Knowledge in bioinformatics would be a plus but is not mandatory. Excellent English communication skills (written and oral) are expected. A sincere desire to understand basic mechanisms in virology, interest in translational research and in developing novel therapies against viral diseases is a prerequisite. Applicants should hold a PhD or equivalent degree in biology, biochemistry or a related discipline.

We accept applications until 01 April 2024.

To apply, please send your application (pdf) including a motivation letter, CV, a statement of research experiences and the names of 2 references via e-mail to sekretariat.smola@uks.eu.

Contact

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