

## PhD position

available at the Institute of Virology, Saarland University Medical Center, Homburg/Saar, Germany, in collaboration with the Helmholtz Institute for Pharmaceutical Research Saarland and Leibniz Institute for New Materials, Saarland University

### **Project: Virus-microbiota crosstalk in papillomavirus-induced carcinogenesis**

We are looking for a highly motivated co-worker with strong research interest in 3D-cell culture research, microbiota and molecular virology.

This project focuses on the use of 3-dimensional organotypic and organoid tissue culture models to study the virus-microbiota crosstalk in human papillomavirus-induced carcinogenesis. We established unique 3D-cell biology techniques as well as molecular biology techniques, such as single cell sequencing, chromatin and pan-omics analyses now available for innovative transdisciplinary cancer research.

We provide an excellent international scientific environment. Both, the access to valuable patient material as well as close collaborations with the Helmholtz Center for Infection Research and the Leibniz Institute for New Materials facilitate translational research for novel therapies.

Candidates should have a strong background in cell biology, virology and/or microbiota. Excellent English communication skills (written and oral) are expected. A sincere interest in translational research and in developing novel therapies against viral diseases is a prerequisite. Applicants should hold a master, diploma or equivalent degree in biology, biochemistry, pharmacy or a related discipline.

Application closes 15<sup>th</sup> April 2021.

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 [sigrun.smola@uks.eu](mailto:sigrun.smola@uks.eu).

#### **Contact**

Professor Dr. Sigrun Smola  
Chair of the Institute of Virology  
Saarland University Medical Center  
Kirrbergerstr. 100, Building 47  
D-66424 Homburg/Saar  
Germany  
[www.uks.eu/virologie](http://www.uks.eu/virologie)