



## Laboratory technician positions in the Gerold lab

The research group “Molecular and Clinical Infection Biology“ at the Research Center for Emerging Infections and Zoonoses & the Department of Biochemistry, University of Veterinary Medicine Hannover, Germany, is recruiting laboratory technicians on 2 year positions in virology to support projects within the One Health sector with a focus on zoonotic viruses and their transmission across species.

### Research Topic

Our group focuses on the study of zoonotic enveloped viruses including alphaviruses, flaviviruses, coronaviruses and through local collaborations influenza viruses. Our core expertise is the analysis of virus – host factor interactions using mass spectrometry. Specifically, we use biophysical, virological and cell biological techniques to characterize determinants of virus infection, transmission, species tropism, and antiviral strategies.

### Your role

You will be responsible for carrying out research in the Gerold laboratory ([tiho-hannover.de/en/group-gerold](https://tiho-hannover.de/en/group-gerold); [GeroldLab@Twitter](https://twitter.com/GeroldLab)) in close collaboration with scientists in the team. You will employ molecular biology, protein biochemistry, cell biology and virology methods at biosafety level 2 and 3\*\*.

### Responsibilities

- *in vitro* transcribe viral genomes.
- Generate and characterize virus stocks.
- Perform virus infection assays.
- Document results and analyze infection assay data.
- Ensure the quality of virus preparations.
- Participate in training and supervision of scientists and research students.
- Comply with the University’s Equal Opportunities and Data Protection policies.

### Selection criteria

#### Essential

- Laboratory technician experience and qualification (German applicants: VMTA/MTA/BTA/CTA/Biologielaborant (m/w/d) or equivalent).
- English communication skills.
- Experience in mammalian cell culture and virology methods.
- Interest in protein biochemistry of virus-host interactions.
- Ability to work as part of a team as well as independently.
- Ability to deliver results to required standard and schedule and to organize and prioritize own work with minimal supervision.

#### Desirable

- Experience in molecular cloning and ectopic protein expression.
- Interest in protein biochemistry of virus-host interactions.
- Experience in BSL2 and BSL3\*\* environments.
- Previous practical experience with ALI cultures and organoids.
- Experience in MS data processing and R programming.
- Background in veterinary medicine and/or animal experimentation.



Lab tech position Gerold lab

### **Research environment**

We are a family friendly team based at the Research Center for Emerging Infections and Zoonoses. Virological expertise and latest instruments to study virus infection are available on site. We offer an international, stimulating, and collaborative research environment, in which your career development is fostered.

### **Position summary**

Full-time 2 years with full salary.

### **Application**

Please apply until July 31<sup>st</sup>, 2021 at

[Nawaphat.Wanphen@tiho-hannover.de](mailto:Nawaphat.Wanphen@tiho-hannover.de)

with the following documents:

1. Cover letter highlighting your qualification and motivation
2. CV including
3. Copy of certificates
4. References

For questions, please contact:

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