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MAX VON PETTENKOFER-INSTITUT
LEHRSTUHL VIROLOGIE



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**The Virology (chair: Professor Oliver T. Keppler) of the Max von Pettenkofer Institute,
at the LMU München, Munich, Germany offers a**

PhD Position in Coronavirus Research (m/f/d)

in the laboratory of Professor Keppler.

Pandemics caused by SARS-CoV-2 or influenza viruses are major challenges to human health. We are interested in understanding the evolution and mechanisms of immune evasion and the development of antiviral strategies. We have developed novel assays to study adaptive immunity against SARS-CoV-2 including the evaluation of the potency of neutralizing antibodies (Wrátil et al., *Nature Medicine* 2022; Keppler-Hafkemeyer et al., *Nature Cancer* 2022; Huth et al., *New England Journal of Medicine* 2023) and demonstrated the antiviral efficacy of innovative click-chemistry modified, stabilized siRNAs against replication-competent virus (Traube et al., *Angewandte Chemie* 2022). We now seek to expand characterizations of antiviral immunity and optimize antiviral approaches against influenza viruses and SARS-CoV-2 that are being advanced in an interdisciplinary consortium. Moreover, we have identified a number of genes that are critical to SARS-CoV-2 replication and will be characterized on a mechanistic level.

The successful candidate will have a strong track record. Previous work with viruses, as well as expertise in molecular and cell biology will be of advantage.

We expect the ability to perform creative and independent research and a high level of motivation. We offer interesting research topics with high biomedical relevance in a stimulating and interactive scientific environment at an internationally competitive level. The research campus in Großhadern/Martinsried offers a world-class scientific environment and access to core facilities.

Please send your applications with full CV including list of publications, letter of motivation, and references until **November 15, 2023** to keppler@mvp.lmu.de.