

# Postdoc Position

## Structural Mechanisms of Ubiquitin Ligases in Disease

We invite applications for a postdoc position in the research group of Dr. Sonja Lorenz at the Rudolf Virchow Center for Experimental Biomedicine, Würzburg, Germany. The Lorenz lab explores the structural mechanisms of ubiquitin ligases and their functions in tumorigenesis and infectious disease (see *eLife* 2017;6:e21036). We combine cryo-EM and X-ray crystallography with biophysical, biochemical, and cell biological analyses.

The Rudolf Virchow Center is a highly competitive, international research institute with outstanding infrastructure. The Lorenz lab has access to state-of-the-art instrumentation in cryo-EM, X-ray crystallography, and high-field NMR, and an extensive range of modern biophysical and cell biological equipment. We are integrated into a stimulating research environment that includes the Biocenter, the Research Center for Infectious Diseases, the University Hospital, the Max Planck Research Group in Systems Immunology, and the Helmholtz Institute for RNA-based Infection Research among others.

Würzburg has a particularly strong expertise in ubiquitin research, as exemplified by our DFG-funded Research Training Group “Understanding Ubiquitylation”: <http://www.uni-wuerzburg.de/grk2243/home/>

Moreover, the Lorenz lab is involved in a DFG-research unit “Therapeutic windows” and the Mildred-Scheel Center for Cancer Research, which is funded by the Deutsche Krebshilfe.

<https://www.biozentrum.uni-wuerzburg.de/for2314/startseite/>

<https://www.biozentrum.uni-wuerzburg.de/msnz/startseite/>

Since 2017, our lab also benefits from the *EMBO Young Investigator Program*.

Applicants should have strong expertise in protein X-ray crystallography, biochemistry, and biophysical techniques and a particular interest (ideally, also expertise) in the use of cryo-EM for the visualization of large macromolecular complexes.

English language skills are essential; knowledge of German is not required.

The position can start immediately or upon mutual agreement. Salary will be according to the German TVL scale. In case of equivalent qualifications, disabled applicants will be preferentially considered.

Würzburg is located in a beautiful, wine-growing area in proximity to Frankfurt (1 hour by train) and Munich (2 hours by train).

Applications should be sent to Sonja Lorenz by email and include a letter of motivation detailing research interests, expertise, and career aims; a CV; and the contact information for at least two references. Review of applications will begin immediately. The application deadline is 31 December 2018.

Lab homepages:

[http://virchow-zentrum.uni-wuerzburg.de/lab\\_pages/slorenz/](http://virchow-zentrum.uni-wuerzburg.de/lab_pages/slorenz/)

<https://www.uni-wuerzburg.de/en/rvz/research/research-groups/lorenz-group/>

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