

The **Institute of Physiology I**, University of Würzburg is offering a

DFG-Funded Doctoral Position (f/m/d) (PhD, E13/65%, TV-L)

We are seeking a highly motivated doctoral candidate with a strong interest in **cardiovascular and pulmonary biology and signal transduction** to join a project funded by the German Research Foundation (DFG).

The project investigates the antifibrotic effects of natriuretic peptides and cyclic GMP in lung disease. Specifically, we aim to elucidate the function and signaling of the endogenous endothelial hormone C-type natriuretic peptide in pulmonary fibrosis and to evaluate its therapeutic potential. A multidisciplinary approach will be employed, including genetic mouse models, studies of human samples, advanced imaging, molecular biology techniques, and single-cell RNA sequencing. Hence, experience in molecular biology, cell biology, or animal experimentation will be an advantage.

We offer a stimulating and international research environment with close collaborations with the Comprehensive Heart Failure and Rudolf Virchow Centers in Würzburg as well as with the UGMLC lung research center in Gießen. This network provides access to state-of-the-art infrastructure and a broad range of methodological expertise.

To learn more about our research focus and methodologies, please refer to our website:

<https://www.med.uni-wuerzburg.de/en/physiologie/vegetative-physiologie/arbeitsgruppen/professor-kuhn/overview-of-our-research-field/>

For further information, please contact:

Dr. Swati Dabral

sekretariat-kuhn@uni-wuerzburg.de

phone: +49 931 3186320 / 3182721

We welcome applications from all sections of the community regardless of race, gender, or disability. Preference will be given to severely handicapped persons in case of otherwise equal aptitude. Salary is based on the pay scale for the public sector (TV-L).

Applications should preferably be submitted as a single PDF file by 31 August 2025 to

sekretariat-kuhn@uni-wuerzburg.de.

Lehrstuhl für Physiologie I - Schwerpunkt vegetative Physiologie

Röntgenring 9

97070 Würzburg

Please do not send any original documents to us; only send photocopies. As we need to save costs, we will not be able to return your documents to you. They will be shredded shortly after a hiring decision has been made. If you enclose a postage-paid return envelope, we will return your application documents to you three months after a hiring decision has been made.

