

The Institute for Hygiene and Microbiology of the Julius Maximilian University of Würzburg combines clinical diagnostics and state of the art research in infectious diseases with services in patient care. The Chair for Medical Microbiology and Mycology is among the internationally leading centers for the diagnosis of invasive fungal infections. Our research focuses on the infection biology, epidemiology, and diagnosis of invasive fungal pathogens.

To strengthen our team, talented and highly qualified candidates are invited to apply for a position as:

Doctoral Researcher (PhD, f/m/d)

(TV-L, 65%).

The position is available from June 2024 and will initially be limited to three years. Remuneration will be based on the collective agreement for the public service of German federal states (*Tarifvertrag für den öffentlichen Dienst der Länder*, TV-L) and be based on 65% part-time.

The successful candidate will perform cutting-edge research on host-pathogen interactions during *Candida albicans* infection, using immunology and microbiology techniques. Work will be performed in an experienced team of basic and physician scientists in an internationally visible research group in medical mycology. The successful candidate will be aided by experienced postdoctoral researchers in the lab and will be enrolled in the Graduate school training program of the Julius Maximilian University of Würzburg.

Your research tasks will include:

- Mouse models of fungal and bacterial infection
- Characterization of murine immune responses using flow cytometry, ELISAs, etc.
- Analysis of host-pathogen interactions between fungal pathogens and immune cells
- Fluorescence microscopy
- RNA isolation and sequencing

Your profile:

- Willingness to work with mice is essential, and experience with working with mice is advantageous
- A Felasa B certificate or its equivalent is required; in its absence, willingness to obtain the certificate is required
- Strong interest in infection biology, immunology and microbiology
- MSc (or equivalent) in life sciences - candidates in the final stages of obtaining their degree are eligible to apply
- Background in immunology, microbiology, or related fields
- Experience with immune cell isolation, flow cytometry, molecular biology, microscopy and cell culture is advantageous
- Good English language skills are required, and German language skills are advantageous

The Julius Maximilian University of Würzburg is an equal opportunities employer and places emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply. The Julius Maximilian University of Würzburg intends to raise the number of disabled persons in its employment. In the case of equally qualified applicants, disabled persons will be preferentially considered.

Applications should be submitted in English or German and should include a letter of interest, curriculum vitae, a complete list of publications, copies of certificates, and names of up to three academic references. Closing date for applications: 30th April 2024. Applications should be submitted as a single pdf file by e-mail (subject line: PhD_2024) to:

franziska.pietsch@uni-wuerzburg.de

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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.

