

Applications are invited for

six PhD Positions (f/m/g) (two positions per Junior Research Group)  
1/025

The Mildred Scheel Nachwuchszenrum (MSNZ)

Vollzeit, befristet, baldmöglichst

**The Mildred Scheel Nachwuchszenrum (MSNZ) for Cancer Research at the University and the University Hospital of Würzburg** is funded by **the German Cancer Aid** and brings together life scientists and clinicians to understand the mechanisms of tumour formation and to develop new therapeutic strategies. Our newly established centre is looking for enthusiastic young scientists (f/m/g) with a background in Life Sciences who are keen to pursue PhD projects centred around the Tumour and Metastatic Microenvironment.

**Applications are invited for**

**six PhD Positions (two positions per Junior Research Group)**

Group Kretschmar (Adult stem cell niche):

The group is interested in the adult stem cell niche in epithelial tissue homoeostasis and cancer with the oral mucosa and head and neck cancer as model systems. To map cell-cell interactions and characterise the role of bidirectional signalling within the tissue and tumour microenvironment, we use genetic lineage tracing, single-cell transcriptomics and organoid technology.

Group Rasche (Multiple Myeloma):

The group is interested in bone marrow cancers, particularly in the pathogenesis and evolution of Multiple Myeloma (MM). Our aim is to characterize the plasma cell survival niche on a single cell level to identify MM permissive cell-cell interactions, potentially changing our understanding of immunotherapies, informing therapeutically targeted future studies. We also investigate the selective pressure of novel immunotherapies such as CAR T cells on the clonal architecture utilizing patients' bone marrow samples derived from our clinical program.

Group Riedel (Tumour-draining lymph nodes):

The group is interested in the involvement of the TDLN stroma in metastatic disease and tumour immune evasion. The main goal of the projects will be to identify the requirements of stromal reprogramming for a successful metastatic colonization and determine tumour-derived drivers that prime these metastatic niches.

**Applications can be submitted until Mai 31st 2020.** Projects shall start in September 2020 (earlier or later starting points can be negotiated).

We offer:

The centre is located at the Institute for Virology and Immunobiology at the University of Würzburg with fully equipped and modern laboratories, state-of-the-art technology, competitive funding and access to core facilities.

- Full-time appointment for 3-years, salary according to TV-L E13, 65%, fixed-term, extension possible
- Enrolment in the Graduate School of Life Science with broad research and skills training
- Close collaborations with the Comprehensive Cancer Centre, the University Hospital, the Max Planck Institute for Systems Immunology and the Biocentre in Würzburg

- Würzburg is a thriving place with local recreation areas and student-friendly vibes

**We welcome applications** from suitably qualified people regardless of race, gender or disability. The University and the University Hospital aim to increase the proportion of female employees, therefore applications from qualified women are particularly welcome. Preference will be given to people with disabilities in the case of otherwise equal aptitude. Working language is English, knowledge of the German language can be beneficial, but is not required.

**If you would like to hear more about the projects** please get in touch with the relevant Group Leader.

Please send applications including a cover letter (with a statement of motivation), CV, relevant certificates and academic transcripts as well as contact information of two references as a single PDF file via email to

Dr. Martin Czolbe  
MSNZ/IZKF  
Josef-Schneider-Str. 2  
97080 Würzburg  
+49 931 201-56439  
[czolbe\\_m@ukw.de](mailto:czolbe_m@ukw.de).

**About the MSNZ:** <https://www.med.uni-wuerzburg.de/msnz>

**About the Würzburg:** <https://www.uni-wuerzburg.de/en/intemational/studying-in-wuerzburg/>

Bewerbungsfrist: 31.05.2020

Die Vergütung erfolgt nach den einschlägigen Tarifverträgen. Schwerbehinderte Bewerber/-innen werden bei ansonsten im Wesentlichen gleicher Eignung bevorzugt eingestellt.

#### **Datenschutzhinweis für Bewerber**

Laufende Nummer: 1/025

Eingestellt am: 08.04.2020