



We are looking to support our rapidly growing team as soon as possible:

## PhD position (f/m/x) in Translational Cancer Immunology

HNO



TV-L: 25 h/week (64,94%)



limited for 3 years according to WissZeitVG (Third-party funded project)



Your salary will be based on TV-L

### Your tasks

- Establish models of impaired antigen processing and presentation in HNSCC to dissect underlying HPV-related and unrelated mechanisms
- Investigate the therapeutic potential of pharmacological reversal of impaired antigen presentation in HNSCC
- Development of a “living biobank” from patient-derived samples for translational analyses
- Performance of all well-established immune assays in our laboratory (e.g. FluoroSpot, FACS, mixed-lymphocyte reactions, immunohistochemistry, immunofluorescence, RNA and DNA analysis, TCR sequencing)

### Your Profil

- Excellent MSc degree in Biology, Biotechnology, or a related field
- Strong interest in translational research in immunology
- Expertise in at least one of the following fields: cell culture, CRISPR-Cas9 gene editing, bioinformatics or flow cytometry
- High motivation, independence and strong communication skills
- Willingness to perform mouse experiments is

### Your future with us

We are one of the leading university hospitals in Germany and network research, teaching and health care at the highest level. That's why many things are a lot bigger for us: the spectrum of exciting development opportunities. The limitless openness with which specialists from all over the world work together here. Or our commitment as an employer to support all employees as best we can in reconciling their job with their goals and life situations.

This is the University Hospital of Cologne: Everything but ordinary.

### Your future in detail

We are one of the largest and oldest universities in Europe and one of the most important employers in our region. Our broad range of subjects, the dynamic development of our main research areas and our central location in Cologne make us attractive to students and researchers from around the world. We offer a wide range of career opportunities in science, technology, and administration. The Schlößer group at the [Center for Molecular Medicine](#) investigates translationally relevant mechanisms of immune evasion in solid cancers. Head and neck squamous cell carcinoma (HNSCC) is a heterogeneous group of

beneficial but not obligatory

## Our offer

- We offer an excellent technical infrastructure and clinical collaborations to work with real-world healthcare data.
- We promote your professional career development with the opportunity to take part in projects in national as well as European-wide academic, research and industry consortia.
- Our institute promotes diversity and offers a family-friendly and modern working environment.
- Flexible working hours and home office are possible.

cancers arising from the mucosal epithelium of the oral cavity, pharynx, and larynx driven by the accumulation of somatic mutations or human papillomavirus (HPV) infection. The specific research project focuses on the role of impaired antigen presentation in primary resistance to immunotherapy in HNSCC.

## Kontakt

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[Uniklinik Köln Karriere](#)

Application deadline: 18.05.2025

Job-ID: is55mb2h

**Jetzt bewerben**

We look forward to receiving your application and getting to know you!