

Department: Department of Dermatology

Location: University Hospital Düsseldorf, Medical Faculty, Heinrich-Heine-University, Düsseldorf, Germany

Position Type: Postdoctoral Researcher

About Us: The Department of Dermatology at the University Hospital Düsseldorf is a globally recognized Center for Advanced Research in skin diseases. Our state-of-the-art program encompasses a variety of projects including the study of the molecular drivers of chronic inflammatory skin diseases, the neuro-immune communication and microbe-host interactions. We use state-of-the-art OMICs techniques and in-house bioinformatics combined with in vitro- and in vivo-models with the goal to translate basic science findings into clinical use.

Overview of active projects:

- DFG-RU2690 PruSEARCH: Unraveling pruritus pathways in chronic inflammatory skin diseases
- EU-BIOMAP (No 821511): Investigating cutaneous microbe-host interactions
- DFG-RU5489 Investigating the ambiguous ways of the aryl hydrocarbon receptor (AHR) signalling in skin diseases: The AHR as a target for microbe-host interaction
- EU-SKINDEV (Skin microbial devices; No 101098826): Designing genetically modified probiotic organisms to treat atopic skin inflammation
- DFG-HO 2092/8-1: Epidermal growth factor signaling controls skin barrier function and the cutaneous microbiome
- FOKO 2023-40: Precision-cut skin slices as a novel tool for precision medicine in patients with refractory/therapy-resistant psoriatic inflammation

Position Summary: We are seeking a dedicated and skilled Postdoctoral Researcher with a focus in immunology and/or microbiology to join our lab team. The successful candidate will play a critical role in advancing our research, employing in vitro- and in vivo-models together with state of the art OMICs and imaging technologies.

Key Responsibilities:

- Conducting high-level research within the scope of our projects.
- Experiment design, implementation, data collection, and analysis.
- Perform various omics technologies and laboratory techniques.
- Supervision of PhD and MD students
- Collaboration with a team of bioinformaticians, wet lab researchers and clinicians.
- Contributing to the writing of research papers and grant proposals.
- Presenting research findings at workshops and conferences.
- Participates in collaboration with other biological and clinician scientists throughout the academic community.
- Helps develop laboratory culture of urgency and scientific excellence with a focus on therapeutic impact.

Qualifications:

- PhD in Biology, Molecular (Cell) Biology, Biochemistry, Biomedical Sciences, or related field.
- Extensive experience in laboratory research, preferably in dermatology or related areas.
- Expert in western blotting, ELISA, qPCR, FACS, and cell culture.
- Proficiency in OMICs technologies and data analysis.
- Substantial experience in cellular and molecular immunology methods.
- Knowledge on, or experience in working on cutaneous microbiome, with special regards to *Cutibacterium acnes* and *Staphylococcus aureus*.
- Exceptional scientific background, strong publication record in peer-reviewed journals and a track-record of problem-solving and delivery.
- Excellent communication and organizational skills with close attention to details and strong time management skills.
- Strong ability to work independently and as part of a team.
- Collaborative mindset – strong teamworking capabilities, proactive in helping the team succeed, and takes ownership of team-based tasks
- Proficiency in English language. Excellent written and verbal communication skills.
- Rapid learning and understanding skills in the following fields: organic chemistry, medicinal chemistry, molecular design, pharmacokinetics, patent preparation and prosecution.

We Offer:

- A dynamic and international research environment.
- Opportunities for professional growth and collaboration with leading experts.
- Access to state-of-the-art facilities and resources.
- Competitive salary.

Salary range: income is determined within the TV-L E13 salary group. The Employment contract will be with the University of Duesseldorf.

The University of Duesseldorf is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially. We also welcome applications from people with disabilities / special needs or of equal status (SGB IX).

The employment is initially limited to a period of 3 years, with the option of extension. These are qualification positions within the meaning of the Act of Academic Fixed-Term Contract (Wissenschaftszeitvertragsgesetz - WissZeitVG as per § 2 para. 1).

Application Process: Candidates should submit a comprehensive CV, a cover letter outlining their research interests and experience, copies of relevant publications, and the contact details of at least two referees.

Application Deadline: September 1st, 2024

Contact Information:

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The University Hospital Düsseldorf is an equal opportunity employer and strongly encourages applications from all qualified candidates.