

[Careers Live](#)[Careers News](#)[Sign up for newsletter](#)[Jobs](#)[Events](#)**nature** careers[Post a Job](#)

## PhD Academic Staff (f/m/d)

University Hospital Duesseldorf (UKD)

📍 Düsseldorf, Germany

Posted about **4 days ago**Expires on **September 02, 2022**

The Department of Pediatric Oncology, Hematology and Clinical Immunology at the University Hospital Düsseldorf (UKD) at the Heinrich Heine University (HHU), headed by Prof. Dr. Arndt Borkhardt, is one of the largest clinical centers for the diagnosis and treatment of childhood cancer in Germany.

The clinic is part of the University Tumor Center (UTZ) at the UKD and the Center for Integrative Oncology Aachen-Bonn-Cologne-Düsseldorf (CIO-ABCD), which is funded by the German Cancer Aid. It is a founding partner of the German Consortium for Translational Cancer Research (DKTK) Essen-Düsseldorf and participates in international research consortia and study groups. The clinic operates a fully equipped research laboratory (safety level 1 and 2 according to

We use cookies to personalise content and ads, to provide social media features and to analyse our traffic. We also share information about your use of our site with our social media, advertising and analytics partners in accordance with our [Privacy](#)

[> Manage Cookies](#)[✓ OK](#)[Apply](#)

## PhD Academic Staff (f/m/d)

### (Biology, Computational Biology, Human Genetics or related fields)

Initially for a limited period of two years with the option of extension (§2 Abs. 2 of the Act of Academic Fixed-Term Contract Wissenschaftszeitvertragsgesetz – WissZeitVG) for research in the field of genetic predisposition to childhood cancers and for the investigation of the clonal evolution of tumors. The positions are full-time.

Our clinic is conducting a prospective, ongoing study (“germline study”) to investigate cancer predisposition syndromes using SNP array, Trio-Whole-Exome (NextSeq550, Illumina) or Long Read Whole Genome (Sequel II, PacBio) sequencing and Whole Genome Mapping (Saphyr, Bionano Genomics) of affected children and their parents. The goals of the study are to gain new insights into childhood carcinogenesis, to identify and functionally characterize novel cancer predisposition syndromes, and to use the data to develop new bioinformatics algorithms in Big Data Science. In addition, we are investigating clonal evolution and composition of tumors to develop more precise, personalized therapies.

We use cookies to personalise content and ads, to provide social media features and to analyse our traffic. We also share information about your use of our site with our social media, advertising and analytics partners in accordance with our [Privacy Policy](#). You can manage your preferences in 'Manage Cookies'.

[> Manage Cookies](#)

✓ OK

**Responsibilities include:**

- Coordinating the germline study in collaboration with physicians, biologists, bioinformaticians and technical assistants.
- Generation, processing and analysis of the data generated in the study in collaboration with bioinformaticians
- Conduct and design functional studies to characterize novel cancer predisposition syndromes
- Preparation, single cell sequencing and data analysis.
- Guidance of technical assistants and master's/PhD students
- Writing of publications on the topic
- Preparation of own research proposals
- Presentation of results at international conferences and meetings
- Collaboration with intramural, national and international cooperation partners

**Your profile:**

- PhD in natural sciences and postdoctoral experience in related field of work

We use cookies to personalise content and ads, to provide social media features and to analyse our traffic. We also share information about your use of our site with our social media, advertising and analytics partners in accordance with our [Privacy Policy](#). You can manage your preferences in 'Manage Cookies'.

> [Manage Cookies](#)

✓ OK

- Willingness to cooperate and ability to work in a team
- Experience in statistics, R-programming and programming languages like Python advantageous

**We offer:**

- challenging and varied tasks in a committed, interdisciplinary team
- attractive opportunities for further training and development

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

Salary is based on remuneration group 13 TV-L of the pay scale for the German public sector. Employment contract will be with the University of Duesseldorf.

With transmission of your application documents you agree that they become the property of University Clinic Duesseldorf (UKD) and will not be send back to you for reasons of cost-efficiency.

We use cookies to personalise content and ads, to provide social media features and to analyse our traffic. We also share information about your use of our site with our social media, advertising and analytics partners in accordance with our [Privacy Policy](#). You can manage your preferences in 'Manage Cookies'.

> [Manage Cookies](#)

✓ OK

PhD

## JOB TYPE

Postdoctoral

## DISCIPLINE

Life Science

## HOURS

Full Time

## DURATION

Fixed Term

### Apply with CV and Cover Letter

Name

Email

### Cover Letter (optional)

Must be a .doc, .docx, or .pdf file and no larger than 1MB

### CV/Resume

We use cookies to personalise content and ads, to provide social media features and to analyse our traffic. We also share information about your use of our site with our social media, advertising and analytics partners in accordance with our [Privacy Policy](#). You can manage your preferences in 'Manage Cookies'.

> [Manage Cookies](#)

✓ OK

[Submit Application](#)

© 2022 Springer Nature Limited. All rights reserved.

[Privacy Policy](#)[Use of cookies](#)[Cookie Settings](#)[Advertising Terms](#)[Contact us](#)

### Popular Jobs in United States

[Postdoctoral jobs in the United States](#)[Immunology jobs in the United States](#)[Bioinformatics jobs in the United States](#)[Chemistry jobs in the United States](#)[Cancer jobs in the United States](#)

### Popular Jobs in Europe

[Bioinformatics jobs in Germany](#)[Biomedical jobs in the United Kingdom](#)[Neuroscience jobs in the United Kingdom](#)[Professor jobs in the United Kingdom](#)[PhD jobs in the United Kingdom](#)

We use cookies to personalise content and ads, to provide social media features and to analyse our traffic. We also share information about your use of our site with our social media, advertising and analytics partners in accordance with our [Privacy Policy](#). You can manage your preferences in 'Manage Cookies'.

[> Manage Cookies](#)[✓ OK](#)