



Conducting research for a changing society: This is what drives us at Forschungszentrum Jülich. As a member of the Helmholtz Association, we aim to tackle the grand societal challenges of our time and conduct research into the possibilities of a digitized society, a climate-friendly energy system, and a resource-efficient economy. Work together with around 7,500 employees in one of Europe's biggest research centres and help us to shape change!

Forschungszentrum Jülich is one of the largest research institutions in Europe, seeking answers to the big questions of the future, focusing on the socially relevant areas of information, energy, and bioeconomy. We are a member of the Helmholtz Association (HGF). Forschungszentrum Jülich operates the John von Neumann Institute for Computing (NIC) in collaboration with our partners, the German Electron Synchrotron (DESY) in Hamburg, the GSI Helmholtzzentrum für Schwerionenforschung in Darmstadt and the Goethe University Frankfurt. The institute's mission is to research, apply, and promote cutting-edge computing strategies. In addition, the NIC's innovative core and research topics include methods of machine learning (ML), artificial intelligence (AI) and data-driven modelling, energy-efficient technologies and ground-breaking technologies such as quantum computing or neuromorphic computing.

In order to strengthen and expand our ML/AI core research activities we are currently seeking an expert to fill the position of the head of the NIC Research Group.

Join our team to the next possible date as

## Head of the NIC Research Group at the Forschungszentrum Jülich GmbH

### Your Job:

You will primarily engage in research on or with large scale AI models (such as open foundation models) and datasets necessary for their creation using the supercomputers available at Forschungszentrum Jülich. Together with local research institutes, you will develop and utilize methods of scalable training and inference towards stronger generalization and transfer with the aim to address a variety of scientific disciplines. Building or deepening international collaborations is encouraged.

### Your Profile:

- Demonstrated scientific excellence in large scale ML/AI, related to scientific disciplines

The job will be advertised until the position has been successfully filled. You should therefore submit your application as soon as possible. We look forward to receiving your application via our

**Online-Recruitment-System!**

**Questions about the vacancy?**

Get in touch with us by using **our contact form**.

Please note that for technical reasons we cannot accept applications via email.

[www.fz-juelich.de](http://www.fz-juelich.de)



- Proven experience managing simulation and/or ML/AI projects on supercomputers
- Expertise in developing and advancing ML/AI-relevant software packages and tools, with commitment to open-source activities
- Proven leadership experience in managing scientific research groups and people management skills
- Successful interdisciplinary collaboration with national and/or international partners
- Strong creative and strategic thinking abilities

**Our Offer:**

We work on the very latest issues that impact our society and are offering you the chance to actively help in shaping the change!

This is an open-ranked position, and the level of appointment will be commensurate with the candidate's experience and qualifications.

We support you in your work with:

- Direct collaboration with excellent scientific groups on campus within the Forschungszentrum Jülich's relevant areas of research
- Access to a renowned international research network due to the unique position of the NIC Research Groups within the German scientific system
- Immediate access to the highest-performance supercomputer architectures and the associated expertise by locating the NIC Research Group within the Jülich Supercomputing Centre (JSC) at Forschungszentrum Jülich
- On-site availability of renowned HPC hardware and software companies
- Possibility to participate in designing and selecting future supercomputer systems
- If desired, we offer excellent opportunities for academic profile development through the close collaboration between Forschungszentrum Jülich and neighboring universities
- Funding for a research group comprising four scientist positions over a period of three to five years

In addition to exciting tasks and a collaborative working atmosphere at Jülich, we have a lot more to offer: <https://go.fzj.de/benefits>

The position is for a fixed term of 3 to 5 years. Salary and social benefits correspond to the importance of the position and will conform to the provisions of the Collective Agreement for the Public Service (TVöD-Bund) depending on the applicant's qualifications and the precise nature of the tasks assigned to them.

All information about the Collective Agreement for the Public Service (TVöD-Bund) can be found on the BMI website: <https://go.fzj.de/bmi.tvloed> The monthly salaries in euro can be found here: <https://go.fzj.de/bmi.tvloed.entgelt>

We welcome applications from people with diverse backgrounds, e.g. in terms of age, gender, disability, sexual orientation / identity, and social, ethnic and religious origin. A diverse and inclusive working environment with equal opportunities in which everyone can realize their potential is important to us.

Further information on diversity and equal opportunities: <https://go.fzj.de/equality>