

The **C. and O. Vogt Institute of Brain Research** is looking for an experienced

## **Research software developer (m/w/d)**

to strengthen our close cooperation with the *Big Data Analytics* group at the Institute for Neuroscience and Medicine (INM-1), Forschungszentrum Jülich, and the Institute of Computer Science at HHU.

### **Your Job:**

- Develop professional software for accessing and processing large collections of high-resolution images of cells and fibers in a worldwide unique atlas of the human brain
- Ensure excellent usability and efficiency of software solutions for scientific use cases
- Work closely with AI experts on integrating and optimizing state of the art computer vision and machine learning algorithms with our brain atlas
- Contribute to large collaborative research initiatives with renowned international partners at the intersection of AI, computing, and neuroscience
- Demonstrate the capabilities of our solutions at conferences, workshops and tutorials

### **Your Profile:**

- University degree (Master) in computer science, data science, mathematics, medical informatics or related field
- Solid programming skills, preferably in Python
- Enthusiasm for good software design
- An interest in neuroscience & AI
- An open attitude for agile collaboration in interdisciplinary teams
- Good communication skills in English

### **Our Offer:**

- A team of renowned experts in AI, computer science and neuroscience
- A network of excellent national and international partners
- A highly interdisciplinary working environment in an institute developing the most detailed microstructural atlas of the human brain
- The chance to help solving the latest issues that impact our society and shaping a change
- Engagement in supervision and teaching activities at Heinrich Heine University Düsseldorf
- Individual opportunities for personal and professional development
- Extensive company health management
- Ideal conditions for balancing work and private life
- A full-time position with the option of slightly reduced working hours and 30 days of annual leave

We offer you an exciting and varied role in an international and interdisciplinary working environment. The position is initially for a fixed term of 2 years, with possible long-term prospects. Salary and social benefits in conformity with the provisions of the Collective agreement for the public service of the federal states (TV-L).

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.

Please send your written application with the usual application documents preferably by e-mail to the following address:

[Anna.Stoessel@uni-duesseldorf.de](mailto:Anna.Stoessel@uni-duesseldorf.de)

or by mail to:  
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