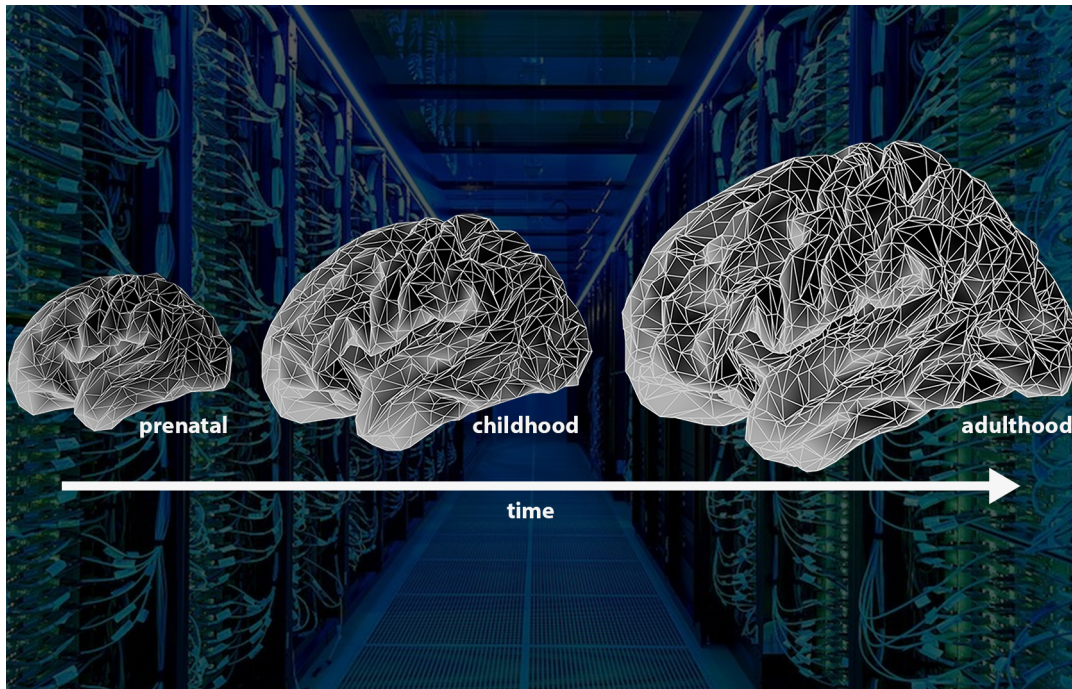




Conducting research for a changing society: This is what drives us at Forschungszentrum Jülich. As a member of the Helmholtz Association, we aim to tackle the grand societal challenges of our time and conduct research into the possibilities of a digitized society, a climate-friendly energy system, and 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!

We are seeking a doctoral student to join the Multiscale Neurodevelopment team in the Institute of Neuroscience and Medicine (INM-7). The Multiscale Neurodevelopment team (<https://go.fzj.de/multiscale-neurodevelopment>) develops theories on how the cellular organisation of the human brain gives rise to complex functional dynamics. The doctoral position involves investigating the neuroanatomical building blocks of higher-order cognition, based on analysis of large-scale multi-modal neuroimaging cohorts of children and adolescents. The position is suitable for a researcher that aspires to work at the cutting edge of computational neuroscience.

We are looking to recruit a

PhD Position - Uncovering the neuroanatomical basis of cognitive maturation

Your Job:

- Working with a broad range of imaging modalities (e.g. structural, diffusion-weighted and functional MRI, intracranial EEG)
- Multi-scale modelling of human brain development
- Using machine learning frameworks to interrogate the relationship between brain development and cognitive maturation
- Efficient production of high-quality scientific articles
- Close cooperation with an interdisciplinary team of neuroscientists, computer scientists and clinicians

Your Profile:

- Excellent university degree (Master) in neuroscience or a related field
- Solid understanding of statistics and programming (Python or Matlab)
- Passionate about human neuroanatomy and cognitive neuroscience
- Excellent written and verbal English communication skills

We look forward to receiving your application until 07.11.2025 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

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! We support you in your work with:

- **TEAM & ENVIRONMENT:** You will work in a motivated team with an international and interdisciplinary focus – at one of the largest research institutions in Europe
- **RESEARCH & INFRASTRUCTURE:** You will have access to excellent scientific and technical facilities for your work
- **NETWORKING & EXCHANGE:** You will participate in (international) conferences and project meetings and actively build your scientific network
- **WORK-LIFE BALANCE:** We offer a part-time position with 19,5 hours per week and flexible working hours to help you balance your professional and personal life. The option of flexible working (in terms of location) is generally available after consultation and in line with upcoming tasks and (on-site) appointments
- **KNOWLEDGE & DEVELOPMENT:** Your professional development is important to us – we support you specifically and individually e.g., through training and networking opportunities specifically for doctoral candidates (JuDocS):
<https://go.fzj.de/JuDocs>
- **HEALTH & WELL-BEING:** Your health is important to us. You can look forward to a comprehensive company health management programme with a wide range of options, including a beach volleyball court, running groups, yoga classes and much more. In addition, our company medical service and an experienced social counselling team are available to assist you on site
- **FAIR REMUNERATION:** Depending on your qualifications and assigned responsibilities, you will be classified according to pay group 13 (65%) of the TVöD-Bund. Additionally, you will receive a special payment ("Christmas bonus") amounting to 60% of one month's salary. All information about the TVöD-Bund collective agreement can be found on the BMI website (pay scale table on page 66 of the PDF download): <https://go.fzj.de/bmi.tvöed>
- **FIXED-TERM:** The position is limited to 3 years
- **SUPPORT FOR INTERNATIONAL EMPLOYEES:** Our International Advisory Service makes it easier for international employees to get started

In addition to exciting tasks and a collegial working environment, we offer you much more: <https://go.fzj.de/benefits>

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.

The following links provide further information on diversity and equal opportunities:

<https://go.fzj.de/equality> and on specific support options:

<https://go.fzj.de/womens-job-journey>