



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!

At the Institute for Advanced Simulation – Civil Safety Research (IAS-7) at Forschungszentrum Jülich, we are researching complex dynamics of crowds. Our goal is to make situations with high density—such as train stations, meeting places, or events—safer and more comfortable.

We are putting together a new interdisciplinary research team for the ERC-funded Synergy Grant project CrowdING. Together, we want to understand when and why people change their behavior in large groups—for example, when a crowd that was initially waiting calmly becomes impatient. A team from physics, computer science, and social psychology is developing new approaches to describe crowd dynamics. The research is supported by large-scale laboratory experiments with numerous test subjects, modern analysis methods, and a powerful simulation environment. You can find out more about us and our research here: <https://www.fz-juelich.de/de/ias/ias-7>

Join our team to the next possible date as

## Postdoc – Crowd Psychology & Collective Dynamics

### Your Job:

As a postdoctoral researcher, you will play a central role in the further development of social psychological research approaches and the integration of the results within CrowdING. You will develop your own research focus, support conceptual work, and contribute to scientific coordination within the project.

Your responsibilities include:

- Further development and integration of social psychological approaches to the analysis of crowd dynamics
- Scientific support for a doctoral project
- Collaboration in the planning, implementation, and analysis of crowd experiments
- Publication of research results in international journals
- Presentations at international conferences and participation in project workshops in Wuppertal and Groningen (NL)
- Exchange and close cooperation with partners from physics, computer science, and

We look forward to receiving your application until 10.01.2026 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)

social psychology

#### **Your Profile:**

- Completed master`s degree followed by a doctorate in psychology, cognitive science or in a similar field of study
- Research experience in the areas of crowds or group dynamics
- Interest in collaborating with colleagues from the field of physics
- Enjoyment of combining and expanding methodological approaches and developing new measures or models
- Willingness to collaborate with doctoral students and interest in scientific supervision of doctoral students
- Very good written and spoken English
- Independent, creative, and structured scientific approach with motivation to set your own research priorities within the project
- Desirable skills, but not essential: Initial experience with agent-based modeling, Programming skills

#### **Our Offer:**

We work on highly topical, socially relevant issues and offer you the opportunity to actively shape change! You can expect a wide range of opportunities:

- **MEANINGFUL TASKS:** The position offers a varied and diverse role in an international environment and freedom to pursue your own research ideas within the project context
- **KNOWLEDGE & FURTHER TRAINING:** Your further development is important to us – we offer a structured research environment with excellent opportunities for scientific advancement
- **WORK-LIFE BALANCE:** Optimal conditions for balancing work and private life, as well as a family-friendly company policy. The option of flexible working (in terms of location) is generally available after consultation and in accordance with upcoming tasks and (on-site) appointments
- **FLEXIBILITY:** Flexible working time models, including options close to full-time ( <https://go.fzj.de/near-full-time> ), allow you to customize your working hours.
- **VACATION:** You will receive 30 days of holiday plus free bridge days (e.g., between Christmas and New Year).
- **FAIR REMUNERATION:** Depending on your existing qualifications and the tasks assigned to you, you will be classified in pay grade 13 of the TVöD-Bund (German federal civil service pay scale). All information on the TVöD-Bund collective agreement can be found on the BMI website: <https://go.fzj.de/bmi.tvloed>. The monthly salaries in euros can be found on page 69 of the PDF download.
- **PERSPECTIVE:** After a 3-year fixed-term contract, our goal is to retain you for the long term. Let`s use this time together to find out how well we fit together.

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 for women:

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