



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!

Being one of Europe's biggest and most multidisciplinary research centers with a strong research infrastructure, Forschungszentrum Jülich offers unique opportunities for interdisciplinary projects. Research at Forschungszentrum Jülich addresses the very latest issues that impact our society, combining basic research with application. At the Institute of Fusion energy and Nuclear waste management - Plasma Physics (IFN-1) in Forschungszentrum Jülich, we are leading the development of advanced materials for future thermonuclear fusion power, which is a promising candidate for a future energy solution of humanity. The uptake and inventory of hydrogen isotopes in a deuterium-tritium thermonuclear fusion reactor, especially the extremely expensive and radioactive tritium, must be stringently limited for the sake of operation safety and cost efficiency.

**Join our team to the next possible date as**

## Postdoc with focus on surface physics / solid-state physics

### Your Job:

- Responsible scientist for the operation of the X-ray photoelectron spectroscopy (XPS) device
- Upgrade and development of the device for future projects
- Research on fusion relevant materials regarding composition and functionality
- Collegial cooperation on present topics and development of new projects in the field of material research for fusion applications
- Participation in international conferences (including presenting your research results) and preparation of scientific publications with Peer-Review

### Your Profile:

- Completed university masters degree (physics/chemistry) with a PhD
- Strong knowledge and experimental experience in X-ray photoelectron spectroscopy
- Suitability to work in a radiation protection area
- Ideally, experience with further methods in the field of surface characterization,

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)

especially in FTIR spectroscopy on surfaces, and/or knowledge in plasma wall interaction in fusion devices

- Excellent English language skills (spoken and written), German language skills are an advantage
- Programming skills would be beneficial

#### **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:

- **CAMPUS EXPERIENCE:** Our research campus in the countryside provides ideal conditions for collegial exchange and sporting activities right on site
- **KNOWLEDGE & FURTHER TRAINING:** Your development is important to us – we provide targeted and individual support
- **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
- **SUPPORT FOR INTERNATIONAL EMPLOYEES:** Our International Advisory Service makes it easier for international employees to get started
- **WORK-LIFE-BALANCE:** Flexible working arrangements (including remote working) are generally possible upon agreement and in line with upcoming tasks and (on-site) appointments
- **LEAVE:** You will receive 30 days of leave plus additional days off (e.g. between Christmas and New Year's Day)
- **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 (Collective Agreement for the Public Service). 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 66 of the PDF download
- **PERSPECTIVE:** After a two-year fixed-term contract, our goal is to hire you on a permanent basis. Let's use this time to find out how well we fit together

Exploration and preparation of next career opportunities supported by our Career Center & Postdoc Office: <https://www.fz-juelich.de/careercenter>

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

We particularly welcome applications from people from a diverse range of backgrounds (e.g. regardless of age, gender, disabilities, sexual orientation/identity, as well as social, ethnic, and religious background). We strive to offer a diverse and inclusive working environment in which people enjoy equal opportunities and are able to fulfill their potential.

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