

## PostDoc (m/f/x)

Online seit 08.10.2025 | 2025-10-08-942497 | Wissenschaftliche:r Mitarbeiter:in

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### Stellenbeschreibung

Faculty of Physics and Astronomy:  
Chair of Experimental Physics IV

In order to fill a **fixed-term position in full-time (39.83 hours/week = 100%) as soon as possible**, we are looking for 1

#### PostDoc (m/f/x)

At the Chair for Experimental Solid-State Physics IV, we perform research in the area of quantum materials. Our expertise ranges from the synthesis of single crystals to the low-temperature thermodynamic and transport properties of electronically correlated materials. For more information on our group and the current research topics please refer to [www.ep4.rub.de](http://www.ep4.rub.de)

We are looking for an enthusiastic postdoc who will strengthen our team with research in the field of new quantum materials and our ERC StG “distort-to-grasp”.

#### Your tasks:

- Experimental research in the field of new materials discovery: single-crystal synthesis, characterization, and physical properties
- Experimental research in the field of quantum materials, nematicity and superconductivity
- Support of younger group members

### Anforderungsprofil & Qualifikationen

#### Your profile:

- The candidate should have a university degree in solid-state physics or a related subject.
- Very good skills in single-crystal synthesis and characterization,
- Experience in the preparation of compounds with volatile and toxic elements such as arsenic is advantageous.
- Very good skills in experimental low-temperature physics are advantageous.
- Good programming skills for experimental control/analysis software, such as Labview or python, are desired
- A high degree of self-motivation for independent research are required.
- In addition, the candidate should have very good communication skills (oral and written) in English.

**We offer:**

- a high-profile research environment at one of the largest German research universities
- work in a young, international, and dynamic team
- a family-friendly work environment
- opportunities for international networking
- participation in a high-risk, high-gain European research project

**Further information:**

The position is salaried and based on the collective agreement of the Länder (TV-L). If the personal and collective agreement requirements are met, the employee will receive pay grade E13 TV-L.

Further information can be found at <https://oeffentlicher-dienst.info/> (in German).

The place of work is Ruhr University Bochum.

If the position is funded by third-party funds the employee has no teaching obligation.

RUB sees itself as a university with an international presence. The campus languages are German and English. Competence in at least one of the two languages and the willingness to learn the other are a prerequisite. RUB provides corresponding free courses for employees.

German language courses are offered by the University Language Center (ZFA) in the field of German as a Foreign Language (DaF).

<https://www.daf.ruhr-uni-bochum.de/sbgk/index.html.en>

The Staff Council has the right to participate in all selection interviews. At the request of a candidate (m/f/x), it will ensure its participation in the entire procedure. Please contact [wpr@rub.de](mailto:wpr@rub.de).

**The Ruhr-Universität Bochum is one of Germany's leading research universities, addressing the whole range of academic disciplines. A highly dynamic setting enables researchers and students to work across the traditional boundaries of academic subjects and faculties. To create knowledge networks within and beyond the university is Ruhr-Universität Bochum's declared aim.**

The Ruhr-Universität Bochum stands for diversity and equal opportunities. For this reason, we favour a working environment composed of heterogeneous teams, and seek to promote the careers of individuals who are underrepresented in our respective professional areas. The Ruhr-Universität Bochum expressly requests job applications from women. In areas in which they are underrepresented they will be given preference in the case of equivalent qualifications with male candidates. Applications from individuals with disabilities are most welcome.

**Contact persons for further information:**

Prof. Dr. Anna Böhmer , Tel.: +49 234 32 23649

Travel costs, accommodation costs and loss of earnings or other application costs for job interviews can unfortunately not be reimbursed.

We look forward to receiving your application via our **online application portal by 2025-10-20**. Please make sure to mention the reference number ANR 5037.

## **Vorteile für Mitarbeitende**

- Vergünstigtes Jobticket
- Arbeitsplatz in lebendiger Metropolregion

## **Stellenmerkmale**

Beschäftigungsart

**Wissenschaftliche:r Mitarbeiter:in**

Beschäftigungsumfang	<b>Vollzeit (befristet)</b>
Home Office	<b>Nein</b>
Bewerbungslink	<a href="https://jobs.ruhr-uni-bochum.de/jobposting/38fe2ff088755130e68801ea77018d92bb56e6c4?ref=stellenwerk">https://jobs.ruhr-uni-bochum.de/jobposting/38fe2ff088755130e68801ea77018d92bb56e6c4?ref=stellenwerk</a>

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## Kontaktdaten

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