

## Technische Informationsbibliothek (TIB) - Program Area C, Research and Development



TIB, being part of the Leibniz Research Association, is with around 600 employees one of the largest technical information centres in Germany, having three main functions: 1. Acting in the capacity of the Leibniz Information Centre for Science and Technology, our forward-looking services secure the infrastructural requirements for providing researchers in science and industry with high-quality information and literature. 2. Carrying out cutting edge research to further expand TIB's role as a German information centre for the digitisation of science and technology. 3. Offer library services for the Leibniz University Hannover. As the German National Library of Science and Technology our future-oriented services ensure the infrastructural requirements for a high-quality supply of information and literature for research in science and industry. With the Open Research Knowledge Graph (ORKG), we are working to revolutionise the exchange and use of scientific knowledge in the digital age.

### Open Source Developer for Digital Scientific Infrastructures (m/f/d)

City: Hannover; Starting date (earliest): At the earliest possible; Duration: limited to the duration of the project and ends on 14th May 2027; Remuneration: E 13 TV-L; Reference number: 36/2025; Closing date: 01/07/25

#### Working field

The Technische Informationsbibliothek (TIB) – Leibniz Information Centre for Science and Technology – Program Area C, Research and Development, is looking to employ a

Open Source Developer for Digital Scientific Infrastructures (m/f/d)

to work in the Lab Group Open Research Information within the Open Science Lab (OSL) at the earliest possible opportunity.

The position is limited to the duration of the project (FID Materials Science) and ends on 14th May 2027. The regular weekly working time is 39.8 hours (full-time). The position is generally suitable for part-time work. The remuneration is based on pay scale group 13 TV-L.

#### Your challenge

The Lab Group Open Research Information of the TIB - Leibniz Information Centre for Science and Technology and University Library aims to make information about research activities interoperable, findable, reusable and accessible in open infrastructures. It promotes the development towards digital, open and collaborative science and supports scientific institutions and communities by working with them to develop and test methods and software tools that are useful for research activities. We are looking for a communicative and entrepreneurial person with a strong technical background to expand

the Open Science Lab activities in the field of open research information.

The work will focus on the design, development and operation of a database for materials testing equipment based on the open source software VIVO as part of a specialised information service (FID) for the fields of materials science and materials engineering (FID Materials Science) funded by the German Research Foundation (DFG). The database serves as a verification, presentation and research tool for information on test equipment and is intended to facilitate collaborations between researchers and scientific institutions.

Your tasks include

- Conception, development and deployment of a database for the search for testing devices and services within the framework of FID Materials Science based on VIVO
- Customisation of user interfaces in VIVO, taking into account user requirements
- Communication with key stakeholders in the project and in relevant specialist communities (materials science, VIVO community)
- Documentation of the development activities

## **Requirements**

Your profile

- University degree (Master or comparable), preferably in computer science or a related field
- Experience in software development in the environment of web-based applications (Java, JavaScript)
- Knowledge of semantic web/linked data technologies (RDF, SPARQL)
- Experience in working on Linux VMs
- Experience in working with version control systems such as Git
- Experience in working with legacy code bases in a global open-source project
- High degree of self-organisation and independent working skills
- Very good written and spoken English skills
- Good communication skills
- Ability to work in a team
- Willingness to learn new technologies and languages

Desirable additions to your profile

- Interest in working in a research and library environment
- Willingness to participate in national and global (open source) communities
- Knowledge of CI/CD workflows based on GitLab, Ansible and Docker
- Interest in digital scholarly infrastructures and metadata on actors, processes and output in science

## What we offer

### What we offer

Our mission is to keep rethinking and innovating the provision and use of research data and information. In TIB's Research and Development Department you have the opportunity to advance your career in a sizable, dynamic and excellent environment. We provide a scientifically and intellectually inspiring environment with an entrepreneurial mindset embedded in a leading technical university and one of the largest technical information centers being part of the Leibniz Association. TIB collaborates closely with the L3S Research Center at Leibniz University Hannover, one of the world's leading research institutes in the field of Web & Data Science, within the Leibniz Joint Lab Data Science & Open Knowledge. Last but not least, we attach great importance to an open, creative and fun work atmosphere.

### Furthermore, we offer

- A job in the public service oriented towards the common good on the basis of the collective agreement for the public service of the German states (TV-L) with a salary in pay scale group 13 TV-L, provided that the requirements are met
- A special annual payment at the end of the year and 30 days of vacation per year with a five-day working week
- A flexible workplace in terms of time and space with offers to reconcile work and family life, such as mobile and remote work options as well as flexible working time models (flexitime)
- A modern workplace in a central location of Hannover with a collegial, attractive and versatile working environment
- An employer with a wide range of internal and external further education and training measures, workplace health promotion and a supplementary pension scheme for the public sector (VBL)
- Employee discount in the canteens of the Studentenwerk Hannover as well as the possibility to use the various offers of the University Sports Hannover at a discount
- Independent and future-oriented activities that offer variety and room for personal development
- Work in the context of a national, European or international research and innovation project
- A portfolio of technology components to build on, including ORKG, OpenResearch.org, TIB AV-Portal, DBpedia.org and other

If you are interested, questions regarding the position can be addressed to Christian Hauschke, head of the Lab Gruppe Offene Forschungsinformationen, by mail at [christian.hauschke@tib.eu](mailto:christian.hauschke@tib.eu).

## Application

We look forward to receiving your application. To submit your application, please use our online application form at <https://tib.eu/bewerbungsformular-36-2025eng>.

Paper applications are also possible on an equal basis. In this case, please send your complete application documents with the subject 36/2025 before July 1, 2025 addressed to

Technische Informationsbibliothek (TIB)  
Personalservice  
Daniel Eilers  
Welfengarten 1 B  
30167 Hannover  
Germany

or alternatively as a single PDF document file to [bewerbung@tib.eu](mailto:bewerbung@tib.eu). For applications in digital form, please send a PDF file with a maximum size of 10 MB.

We kindly invite you to include your annual salary expectation with your application.

In the case of foreign university degrees, it is mandatory to submit a Statement of Comparability from the Central Office for Foreign Education (ZAB) for the final assessment of the hiring requirements during the hiring process (link for more information). A fee will be charged for this. This obligation does not apply if the foreign university degree has already been assessed by an expert and is listed in the ANABIN database of the ZAB as an equivalent university degree (link to ANABIN database).

TIB is an equal opportunity employer, providing ideal working conditions, and continuously taking action to enable its employees to combine career interests with family life. It is particularly keen to promote professional equality between women and men and therefore strongly encourages qualified women to apply.

Severely disabled candidates with comparable qualifications will be given preferential treatment. We welcome applications from all nationalities.

Please note that your application documents will not be returned and application and travel costs cannot be reimbursed.

Please indicate in the subject line of your application through which job board you became aware of our offer.

More information at <https://stellenticket.de/195486/HTWB/>  
Offer visible until 01/07/25

