

# Open Science

ZPID is the Public Open Science Institute for Psychology. All of its services are always accessible to various interest groups.

Our services



*Become part of the open science movement*

The Leibniz Institute for Psychology Information (ZPID) in Trier (Germany) is an internationally renowned research support organization in psychology and a member of the prestigious Leibniz Association.

To fulfill the ever-increasing research infrastructure needs expressed by researchers and psychology professionals, ZPID is in the process of strategic expansion directed at meeting these needs to become psychology's one-stop research service center. Current as well as future ZPID research areas and services are based on and guided by the values of open science and open innovation.

Join the growing ZPID team at the forefront of the open science movement! Current opening:

## **Product Owner & Developer for Semantic Search Portal (m/f/d)**

(salary group TV-L E13, 100%, limited for 4 years)

Preferred start date is February 1st, 2022 or later.

### **Duties and functions:**

The successful applicant is expected to design and implement a semantic search portal PsychPorta as product owner, created in close collaboration with other information specialists at ZPID. PsychPorta will integrate bibliographic information from ZPID's PSYINDEX database, as well as data from external bibliographic databases and several ZPID products (e.g. PsychArchives, PsychOpen CAMA). Aim and scope is to create a data warehouse and interface to access these different types of information at a single source, allowing a semantic view of the available information (e.g. papers, authors, research topics). The system will closely integrate with knowledge graphs/ontologies.

To create an optimal user experience while searching these triple-based data structures, initial design, implementation/programming and empirical evaluation of the PsychPorta back and front end will be required. You will team up with a colleague supporting you with backend work on PsychPorta.

The publication of results originating from your development and conceptual work will be expected.

You will collaborate closely with a team of computer scientists and information specialists and will participate in the full life cycle of development, including technical design of whole products, coding, testing, rollout and empirical evaluation of the final products.

### **Your profile:**

- Master's degree or higher in human-computer interaction, computer science, information science, software engineering or a related discipline
- Basic understanding of knowledge modeling and knowledge graphs as well as associated software tools
- Basic understanding of semantic technologies and standards, e.g. RDF, SKOS, SPARQL
- Fluency in PHP and JavaScript. Experience with common PHP frameworks such as Symfony is a plus
- Knowledge in search engine technology, e.g. Solr/Lucene, Elasticsearch, Jena or Virtuoso is a plus
- An open mind to relate to the requirements of psychological experts and users, with the confidence to make own, informed suggestions for interface design
- Independent working style
- Project management skills
- Good communications skills and the ability to explain technical issues to nontechnical audiences
- Good command of written and spoken English

**optional qualifications:**

- Fluency in Java (possibly relevant for search engine backend) is a plus
- Knowledge of package management und code versioning (Git)
- Basic proficiency with the Linux and Unix command line

For further information, please contact Roland Ramthun via [rr@leibniz-psychology.org](mailto:rr@leibniz-psychology.org).

In order to apply, please register with our online portal here

<https://leibniz-psychology.jobbase.io/apply/bjcp888qqvlaxbkkpuftxyngr8vtwy0>

and upload the following documents:

- Cover letter addressing the motivation for the application and the selection criteria
- CV
- Relevant certificates of degree(s)
- optional: Names, affiliations and e-mail addresses of potential reference contacts

Apply now

ZPID is committed to equal opportunities in employment and, in particular, to increasing the number of women in academic positions, where they are currently underrepresented.

We comply with guidelines regarding laws and regulations governing part-time employment. Among equally qualified applicants, candidates belonging to disadvantaged groups will be given preference. We are a family-friendly employer and have been certified by the audit [Work & Family](#).

Please note that online applications will only be accepted via the following URL:

<https://leibniz-psychology.jobbase.io/apply/bjcp888qqvlaxbkkpuftxyngr8vtwy0>

