Job Opening: Python Developer / IT Specialist (E11 TV-L, 15%) – Data Management Tool Development and Maintenance

Institution: University of Freiburg
Department: Optophysiology Laboratory
Start Date: As soon as possible
Duration: Initially limited to one year (with the possibility of extension)

About the Position

The **Interdisciplinary Optophysiology Laboratory** (https://www.optophysiology.uni-freiburg.de/) at the **University of Freiburg** is seeking a motivated **Python developer or IT specialist** to help maintain, improve, and extend our in-house data management system based on **DataJoint**.
This tool supports research data handling and visualization in neuroscience projects, and your work will directly contribute to advancing cutting-edge research at the intersection of **data science and brain research**.

Your Responsibilities

- Maintain and continuously improve the existing **Python-based** data management application **DataJoint**
- Implement new features, optimize performance, and enhance usability
- Manage and integrate **SQL-based databases**
- Develop and refine the graphical user interface (**PyQt**)
- Collaborate closely with researchers to adapt the tool to evolving project needs

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Your Profile

- **Excellent programming skills in Python (mandatory)**
- Experience with **data management**, **data integration**, or **SQL databases** is a plus
- Familiarity with **PyQt** or other GUI frameworks is advantageous
- Strong problem-solving skills and ability to work independently
- Interest in **interdisciplinary collaboration** and research environments

You don't need to be a traditional IT specialist—if you're a strong Python programmer interested in applying your skills to real research data, we'd love to hear from you!

What We Offer

- A stimulating research environment in the **modern IMBIT building**
- Collaboration within an **interdisciplinary and international team**

- **Flexible working hours** (15% position)
- A **technically modern infrastructure** with opportunities to learn and grow
- Support for **professional development** and skill enhancement

The salary classification is based on your personal qualifications and the collective agreement requirements and is up to E11 TV-L.

Application

Please send your **application (CV, motivation letter, and relevant certificates)** as a single PDF file to:

ilka.diester@biologie.uni-freiburg.de

Applications will be reviewed on a rolling basis until the position is filled.