EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN

Zentrum für Quantitative Biologie

Research Software Engineer (m/f/d)

(m/f/d; E13 TV-L)

About us

The Quantitative Biology Center (QBiC) is a bioinformatics core facility at the Eberhard Karls University Tübingen, one of eleven German universities distinguished as excellent under the German government's initiative. We support researchers at the University of Tübingen and across Germany by providing Next Generation Sequencing and Mass Spectrometry data analysis and management through collaborations and service projects.

We are looking for a Research Software Engineer (m/f/d) to strengthen our team, focusing on research data infrastructure.

- Fixed-term position for 3 years (TVL E-13), possibility of extension
- Full time or part-time employment is possible
- Earliest start date: next possible timepoint

Project Background

As part of a joint project with the German Center for Infection Research (DZIF) and the Quantitative Biology Center (QBiC) of the University of Tübingen, the goal is to further develop a sustainable and interoperable research data infrastructure. The project aims to integrate the QBiC OMICS Data Management Platform into a so-called DZIF bridgehead.

A core task of the project is the definition and implementation of a metadata crosswalk to identify and integrate relevant metadata into the bridgehead. Based on this, an HTTP REST interface will be developed that allows authorized clients to query information in a structured and standards-compliant way. The interface will be specified and implemented using OpenAPI and HATEOAS. Finally, the bridgehead will be connected to the existing infrastructure via a connector.

Your Responsibilities

- Analysis and design of a metadata crosswalk
- Development of an HTTP REST API for authorized clients
- Implementation using OpenAPI and HATEOAS
- Development and integration of a connector

- Collaboration with interdisciplinary partners
- Documentation of the developed software

Your Profile

- University degree in computer science or a related field
- Strong skills in Java and Spring Boot
- Experience in developing HTTP REST APIs
- Confident use of Git
- Knowledge of authentication and authorization protocols
- Structured and independent working style

What do we offer?

- Work on a scientifically relevant project
- Creative freedom in software development
- Collaboration with national research institutions
- A professional and collegial work environment
- Flexible working hours within the flexitime system, partial remote work
- Additional pension scheme, sports programs, subsidy for public transport ticket
- A wide range of internal training and professional development opportunities through HR development
- Occupational health management and programs to promote workplace health

Are you up to the challenge?
Please send a motivation letter and curriculum vitae **as one PDF** via e-mail to Katrin Leichtle (katrin.leichtle@qbic.uni-tuebingen.de). The **deadline for applications is July 10, 2026**.

Equally qualified applicants with disabilities will be given preference in the hiring process. The university is committed to equal opportunities and diversity. Women are expressly encouraged to apply. The employment will be carried out by the central administration of the University of Tübingen.