



The Helmholtz Zentrum München in Munich, Germany, is member of one of the leading research associations in Europe – the Helmholtz Association of German Research Centers. The aim of our research is to proactively detect health risks involving humans and the environment, decoding the mechanisms of pathogenesis and developing concepts for prevention and therapy.

The German Center for Diabetes Research (DZD) with five partner locations all over Germany as the national diabetes research center has the task of showing new ways of prevention and therapy of diabetes by the close interrelation of basic research, clinical research and applied research. The purposeful use and interconnection of all research data therein plays an important role.

To this end, DZD with its headquarters at Helmholtz Zentrum München will employ at the earliest convenience two

Bioinformaticians / Biomedical Computer Scientists (m/f)

2018/0131

Job Description

- Implementation of a graph database (Neo4j), adaptation and extension of the graph model
- Implementation of routines for automatic import and export of (meta) data
- Implementation of user-friendly user interface (UI) and visualization of data
- Connect various Neo4j databases and public databases
- Development and support of hardware and software solutions

Your Qualifications

- Completed course of studies in the field of bioinformatics, medical computer science or comparable qualification
- Professional experience in graph database development, ideally Neo4j
- Experience in the processing of biochemical/medical data
- Proficient use of Python, Java, or R programming languages as well as Cypher and SQL
- Experience in dealing with Apache Lucene, or similar search engines desirable
- Ideally experience with the processing of image data
- Know-how in handling databases of clinical research desirable
- High self-initiative, creative analytical and problem-solving thinking and good team player
- Very good skills in spoken and written English

Our Offer

At the Helmholtz Zentrum München, you can contribute together with leading researchers to the investigation of the development, prevention and treatment of environmental diseases such as diabetes, chronic lung diseases and allergies. In order to further promote your professional development, we offer extensive and targeted research training and career programmes. We support the reconciliation between work and private life with flexible working time models, occupational health management, day care facility for children, a childcare subsidy, Elder Care, as well as other counseling and support services.

Remuneration and benefits are in accordance with the collective agreement for the public service (TV EntgO Bund).

The position is (initially) limited to two years.

The activity involves special knowledge and experience specific to own scientific skills.

As a holder of the Total E-Quality Award, we promote equality of opportunity. In order to increase the proportion of women in management positions, we would be pleased to receive corresponding applications. Qualified applicants with physical disabilities will be given preference.

We are looking forward to receiving your comprehensive [online application](#) until 7th June 2018.

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