

The **Center for Information Services and High Performance Computing** (ZIH) offers within the DFG Collaborative Research Center (CRC/Transregio – Dresden, München, Würzburg) "The Adrenal: Central Relay in Health and Disease" a position as

Research Associate / PhD Student for Machine Learning in Medical Research

(Subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting at the **earliest possible date**. The position is limited until June 30, 2025. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims at obtaining further academic qualification (e.g. PhD).

The SFB/Transregio investigates the human adrenal as a central stress organ and develops new diagnostic and therapeutic strategies for the treatment of adrenal tumours and diseases. The aim of the PhD position is the exploration and implementation of machine learning (ML) for medical research in this field. Working at ZIH offers you creative scientific work with international experts on future topics, a state-of-the-art IT infrastructure optimized for data analysis and ML, opportunities for your own scientific qualification, flexible working hours and a family-friendly working environment. You will live in a city of science and culture surrounded by a unique landscape.

Tasks:

- scientific research and development on Machine Learning for medical applications/data analysis in adrenal research;
- implementation of ML algorithms into tools and workflows for researchers;
- integration of the tools/workflows with High Performance Computing and data management;
- cooperation with the national German competence center for Big Data and Artificial Intelligence ScaDS.AI Dresden/Leipzig;
- publication of results and presentation at scientific conferences;
- conception and implementation of training for the medical researchers.

Requirements

- university degree in computer science or a comparable engineering or natural science;
- high degree of independence, commitment, flexibility and team spirit;
- very good English skills;
- knowledge of Artificial Intelligence/Machine Learning, data analytics and High Performance Computing.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please send your application with the usual documents under the **job ID "SFB/TRR ML"** until **August 13, 2021** (stamped arrival date of the university central mail service applies) preferably via the SecureMail Portal of the TU Dresden <https://securemail.tu-dresden.de> as a PDF document to zih@tu-dresden.de or to **TU Dresden, Zentrum für Informationsdienste und Hochleistungsrechnen (ZIH), Herrn Prof. Dr. Nagel, Helmholtzstr. 10, 01069 Dresden**. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: <https://tu-dresden.de/karriere/datenschutzhinweis>