



*Opportunities
for Talents*

HelmholtzZentrum münchen
German Research Center for Environmental Health



Technical University of Munich (TUM) and **Helmholtz Zentrum München (HMGU)** jointly invite applications for the position of

Professor in » Algorithmic Machine Learning & Explainable AI «

in combination with

Head of Research Unit Algorithmic Machine Learning & Explainable AI (working title) at Helmholtz Zentrum München

to begin in winter semester 2021/22. The position is a W2 Tenure Track Assistant Professorship (with tenure track to W3) or W3 Associate/Full Professorship. Depending on the career level, the professorship is combined with the position as head of an Independent Research Group or as director of an Institute at HMGU.

Scientific Environment

The professorship belongs to the TUM Department of Informatics and in the future to the TUM School of Computation, Information & Technology. Its future holder will be appointed professor under the terms of a private-law contract and will be granted leave of absence in order to lead the Research Unit Algorithmic Machine Learning & Explainable AI at HMGU based on an employment agreement under private law (Jülicher-Modell). The position is embedded in Helmholtz Artificial Intelligence Cooperation Unit (**Helmholtz AI**) located at HMGU and in the **ELLIS Munich** environment.

Responsibilities

We seek to appoint an expert in the research area of Algorithmic Machine Learning & Explainable AI with a focus on developing robust algorithms and efficient learning strategies for heterogeneous and sparse data, particularly in the health domain and via methods for causal inference with an emphasis on probabilistic Machine Learning and Deep Learning. The responsibilities include research and teaching as well as the promotion of early-career scientists. The teaching load includes courses in the university's bachelor and master programs.

Qualifications

We are looking for a candidate who has demonstrated excellent achievements in research and teaching in an internationally recognized scientific environment, regarding the relevant career level (please see www.tum.de/en/faculty-recruiting-faq/ for further information). A university degree and an outstanding doctoral degree or equivalent scientific qualification as well as pedagogical aptitude, including the ability to teach in English, are also prerequisites. Substantial research experience abroad is expected.

Our Offer

Based on the best international standards and transparent performance criteria, TUM offers a merit-based academic career path for tenure track faculty from Assistant Professor through a permanent position as Associate Professor, and on to Full Professor. The regulations of the TUM Faculty Recruitment and Career System apply.

TUM and HMGU provide excellent working conditions in a lively scientific community, embedded in the vibrant research environment of the Greater Munich Area. The environment is multicultural, with English serving as a common interface for scientific interaction. As a rule, the holder of this professorship will not be employed as a civil servant (Beamte) under German law.

The TUM Munich Dual Career Office (MDCO) and HMGU provide tailored career consulting to the partners of newly appointed professors respectively heads of Research Units. MDCO and HMGU give assistance for relocation and integration of new professors, their partners and accompanying family members.

Your Application

The Helmholtz Zentrum, holder of the Bavarian Advancement of Women Prize and of the Total E-Quality Certificate, and TUM are equal opportunity employers and aim to increase the number of women in research and teaching. As such, we explicitly encourage applications from women. Applications from disabled persons with essentially the same qualifications as other candidates will be given preference.

Application documents should be submitted in accordance with TUM's application guidelines for professors. These guidelines and detailed information about the TUM Faculty Recruitment and Career System are available at www.tum.de/faculty-recruiting.

Here you will also find TUM's information on collecting and processing personal data as part of the application process. Detailed information on the acquisition and processing of applicant data at Helmholtz Zentrum is available at <https://www.helmholtz-muenchen.de/appointments-data-processing>.

Please send your application no later than **June 13, 2021** to the **Dean of the Department of Informatics**, Prof. Dr. Hans-Joachim Bungartz, and the **CEO of Helmholtz Zentrum München**, Prof. Dr. Dr. h.c. Matthias Tschöp.
Email address for applications: appointments-TUM-HMGU@in.tum.de.

Questions concerning the advertised position can also be sent to appointments-TUM-HMGU@in.tum.de.