

Applied Sciences for Life – the Weihenstephan-Triesdorf University of Applied Sciences provides a wide array of scientific disciplines covering all aspects of life and encompassing current crises. With approximately 5,750 students across three campuses (Freising, Triesdorf, Straubing) the HSWT is a crucial stakeholder in sustainable education and earning recognition as one of the most important green universities in Europe.

The following full-time position is available at the Faculty of Sustainable Agriculture and Energy Systems, Weihenstephan Campus (Freising):

**Research assistant (m/f/x) or doctoral candidate (m/f/x)
in the field of Machine Learning and Bioinformatics
Reference number M762-AE**

The position is temporary for a period of three years.

Your area of responsibility:

We are seeking highly motivated candidates (m/f/x) for a scientific research position to develop novel machine learning- and deep learning-based approaches in the field of phenotype prediction.

- You will work on phenotype prediction problems to gain a better understanding of genotype-phenotype relationships by analyzing multiple types of biological data, including sequencing and imaging data.
- You will develop novel machine learning- and deep learning-based approaches to address currently unsolved challenges in this area.
- You will closely collaborate with crop production and breeding experts.
- You will write scientific publications and present your results at international conferences.
- You will have the opportunity to actively contribute to the development of a new research lab.
- The possibility of pursuing a PhD degree is strongly supported.

Your profile:

- Experience and interest in the following research areas: machine learning, deep learning, bioinformatics
- Strong programming background (preferably in Python) and experience with machine learning and deep learning frameworks (e.g. PyTorch)
- Scientific curiosity, ability to work in a team and self-motivated working style
- Fluency in written and spoken English
- German language skills are a plus
- Experience on working with biological sequence data is a plus

Recruitment requirements:

You have a successfully completed academic university degree (Diploma [Univ.] or Master's degree) in artificial intelligence, computer science, bioinformatics, statistics, biology or a comparable degree program.

We offer you:

- Work at the largest green campus in Germany
- A comprehensive computing infrastructure with several dedicated GPU servers
- Payment according to the collective agreement for the public service of the federal states (TV-L)
- A modern university environment with innovative technical, agriculture and engineering degree programs
- An exciting, varied and responsible field of activity
- Collegial cooperation and a wide range of opportunities for exchange
- The opportunity for further education and training

- Social benefits in accordance with the provisions of the collective labour agreement for the public service of the federal states (TV-L), in particular additional pension benefits and annual bonuses
- Attractive benefits such as a job ticket for public transport, capital-forming benefits and childcare facilities
- A growing range of services as part of an official health management program
- A family-friendly working environment with flexible working hours

Further HSWT benefits for staff www.hswt.de/arbeiten-an-der-hswt

Notes:

The position is to be filled at the earliest possible date. Payment will be made in accordance with the provisions of collective bargaining law, up to pay grade E13 TV-L if the personal and collective bargaining requirements are met. Taking into account the requirements of the job, the position is also suitable for part-time employment.

In situations where candidates possess similar qualifications, skills, and professional achievements, priority will be granted to individuals with severe disabilities. We encourage applications from women, affirming our commitment to diversity and gender inclusivity.

Would you like to become part of our team?

If you fulfil the requirements, we look forward for your application via our online form below. Please apply with a cover letter, a CV in tabular form, professional or academic qualifications and qualified references. Please note that we only fill our vacancies on the basis of suitability, performance and aptitude; we can therefore only consider you in the further process if you provide us with evidence of this.

Foreign professional qualifications/foreign university degrees can only be considered if you can provide proof of equivalence/recognition. You can find the office responsible for this via the portal www.anererkennung-in-deutschland.de.

Please apply exclusively via the "APPLY NOW" button (**online form**) by 08 May 2024 at the latest. Applications by post or e-mail will not be considered.

For further information please contact:

Weihenstephan-Triesdorf University of Applied Sciences (HSWT), Am Hofgarten 4, 85354 Freising

for questions regarding the application process or recruitment:

E-Mail: stellenausschreibung@hswt.de

for technical questions:

Prof. Dr. Florian Haselbeck

Phone: 08161 71-6477

E-Mail: florian.haselbeck@hswt.de

for issues relating to severely disabled persons and persons with equivalent status:

E-Mail: schwerbehindertenvertretung@hswt.de



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