Universität zu Lübeck

Research Scientist (m/f/d)

Online seit 24.03.2025 | 2025-03-24-927814 | Wissenschaftliche:r Mitarbeiter:in

Stellenbeschreibung

start:

as soon as possible

application deadline:

06.04.2025

salary group:

EG 13

time limit:

until 28.02.2026

scope:

100% full-time (38,7h)

Research Scientist (m/f/d)

Institute of Medical Informatics

The Institute of Medical Informatics at the University of Lübeck (Director: Univ.-Prof. Dr. H. Handels, Research Group: Prof. Dr. M. Heinrich)is looking to hire a Research Scientist (m/f/d) in research on privacy-preserving 3D medical deep learning full-time (38.7 hours per week). The position is initially limited to 28.02.2026 and begins at the earliest possible date. An extension is possible. The possibility of scientific qualification (beginning/continuation of a dissertation or habilitation) is given and is strongly supported. The project is financed by the AnoMed BMBF project and LABEL DFG project (project partner: Fraunhofer MEVIS, Philips Research). The position is a.o. part of the research group of Prof. Mattias Heinrich, who is often a pioneer for new methodological developments in the field of medical image analysis and machine learning and has won several Best Paper Awards at MICCAI, MIDL and BVM and has published numerous works in high-ranking journals (TMI, MedIA).
The LABEL and AnoMed projects offer a unique opportunity to develop and validate novel algorithms on a comprehensive population study NAKO, which contains more than 30,000

full-body MRI scans, taking into account data security and privacy concepts.
The focus of the research is on the development of innovative algorithms for the precise localisation of the patient's internal organs based on the information of the external RGB(D) camera and an anatomical 3D atlas. In addition, it offers the opportunity to contribute to other research aspects, including domain adaptation, learning with differential privacy, self-supervised learning and multimodal learning. In addition, we offer excellent opportunities for collaborating with other researchers from our groups, in the field of 3D ultrasound reconstruction, geometric learning on point clouds, etc. in publications and support for (PhD) students. The position does not entail any teaching obligations.

Tasks:

- Development, implementation and experimental analysis of scientific methods that address the main objectives of the funded research project
- Preparation of publications in international, peer-reviewed journals and presentations at (inter-) national conferences

Anforderungsprofil & Qualifikationen

Requirements:

- A completed master's degree in the fields of computer science, mathematics, engineering or related course of study
- Programming knowledge in pytorch or the willingness to acquire it quickly
- Motivation to promote the fundamental further development of methods of artificial intelligence in medicine in a theoretically sound manner
- Experience in medical image analysis, computer vision or Machine learning may be evidenced by publications in TMI, MedIA, MICCAI, MIDL, CVPR, etc.
- Ability and proactive approach to independent work and learning
- Good knowledge of English

What we offer:

- Excellent and state-of-the-art interdisciplinary research environment and support for your scientific career (e.g., Dissertation or Habilitation
- National and international collaborations within the research projects
- Operational pension scheme
- Flexible working hours

- Mobile working
- Compatibility of family and work
- NAH-SH/ Deutschland public transport ticket, access to university sports facilities, discounts at the canteen on campus and many other perks
- Health management programme “Healthy University”
- Training opportunities
- Pay in accordance with the current tariff if the tariff requirements are met, up to pay grade E13 TV-L. Subject to a final job evaluation.
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Classification will be in accordance with the automatic pay scale if the requirements of the pay scale are met up to the pay group listed above. A final job evaluation remains reserved.

The University of Lübeck is a modern and cosmopolitan employer. We welcome your application regardless of your age, gender, cultural and social background, religion, worldview, disability or sexual identity. We promote gender equality. In case of equal suitability, qualifications and professional performance, female applicants will be given preference. If you are an applicant with a severe disability, your application will be given preference in case of equal suitability.

Your contact for further questions:

Mr. Prof. Mattias Heinrich

+49 451 / 3101 5602

Detailed information about job vacancies and benefits at the University of Lübeck can be found online at https://stellenangebote.uni-luebeck.de.

Have we aroused your interest?
Then send us your application until **06.04.2025** using our **online application form**.

Stellenmerkmale

Beschäftigungsart	**Wissenschaftliche:r Mitarbeiter:in**
Beschäftigungsumfang	**Vollzeit (befristet)**
Home Office	**Nein**
Bewerbungslink	**https://stellenangebote.uni-luebeck.de/en/jobposting/83c961a446a3a888ac0b66e547e0a56dc2cfefee0/apply?ref=stellenwerk**

Kontaktdaten

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