

State-of-the-art medicine and nursing care you can rely on! Since being founded in 1815, Universitätsklinikum Erlangen has offered medicine of the highest standard and incorporated the latest insights from medical research and state-of-the-art equipment into diagnosis and therapy. More than 9,400 employees from approximately 50 different occupations are needed to provide the wide range of services offered by Universitätsklinikum Erlangen, ensuring our patients receive the very best care around the clock.

The main research topics of the Hector-Center are clinical and experimental studies regarding cancer, obesity, short gut syndrome / chronic intestinal failure, microbiota, and food intolerances. Our translational projects always aim at improving the patients' therapy. The importance of nutrition and exercise in the prevention and treatment of various chronic and malignant diseases is still not fully understood. For example, advanced-stage cancer patients can develop cachexia, a multifactorial syndrome primarily characterized by a progressive weight loss and degradation and dysfunction of skeletal muscle. One of our research focuses is how exercise and nutrition affect chronic inflammation caused by malignant tumors and how these inflammatory processes influence the muscle metabolism in cancer patients.

Postdoctoral Researcher (m/f/x)

for the Hector-Center für Ernährung, Bewegung und Sport

Your tasks:

We are looking for excellent and highly motivated applicants with a profound knowledge of cell biological, molecular biological, and animal experimental methods for our lab in the Translational Research Center, a state-of-the-art interdisciplinary research center at Universitätsklinikum Erlangen. The applicant will support our research on the effects of exercise and nutritional supplementation on skeletal muscle in cancer disease and will be the person in charge conducting the in vivo experiments using a mouse cachexia model.

Essential experience / qualifications:

- PhD in biology, biochemistry, molecular medicine, or comparable studies
- experience with cellular and molecular biology methods
- experience in in vivo mouse models (FELASA-B certificate)
- experience in immunology and FACS analysis is of advantage
- statistics
- data management
- excellent skills of the English language

Additionally beneficial are:

- a solid knowledge of cancer diseases, especially regarding tumor-associated inflammation
- experience in mass spectrometry techniques
- we are looking for postdoctoral scientists aspiring for "Habilitation" (postdoctoral qualification showing ability to lecture and do research at professional level)

We offer:

- an interesting position as part of a motivated team located within an international research environment
- a broad network and an interdisciplinary team
- a leading role in the experimental work of the respective research project
- continuous supervision and advice by your scientific mentors
- varied and responsible tasks with individual opportunities to grow and develop as a professional
- all benefits of the public service incl. supplementary pension plan of the Versorgungsanstalt des Bundes und der Länder (VBL) (Federal and State Government Employees' Retirement Fund)
- family-friendly environment and, where appropriate, places in a dormitory
- crediting of work experience possible
- comprehensive health promotion offers

Comments:

- intended pay grade depending on qualifications and personal requirements according to TV-L
- the position is limited for one year with the option of further employment
- this is a full-time position
- the employment will take place at the earliest possible date
- the application deadline is 31 July, 2022
- [notes for applicants](#)

Further information:

Ursula Natri-Niederweis M.A.
Tel.: +49 9131 85-46826

Applications:

Please send your application with a short description (0.5 p) of your previous research experience, CV, list of publications, two references, and copies of all relevant certificates (school, bachelor, master, PhD) [online](#) to:

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Hector-Center für Ernährung, Bewegung und Sport
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