

# SPACE FOR YOUR TALENT.



The world is changing at an ever-faster pace. At the Johannes Kepler University Linz, we work on technologies and the ideas of tomorrow on a daily basis. At the same time, we educate over 21,000 young people to meet the demands of today's job market. In short, we are Upper Austria's largest institution for education and research. Are you interested in being a part of shaping the future of Austria's most attractive campus university? We currently have a job opening starting June 1, 2021, for a:

## **Post-Doc for a 40-hour/week position, at the Department of Pediatrics and Adolescent Medicine to 2024 (for a limited time period)**

**Job Reference Number: 4470**

The Johannes Kepler University Linz is Upper Austria's largest university with over 20.000 enrolled students and 3.000 employees. The research laboratory (lead: Dr. Ahmed El-Gazzar) at the Department of Paediatrics and Adolescent Medicine (chair: Prof. Wolfgang Högler) is located at the Center for Medical Research.

We are looking for a highly motivated, dedicated and passionate post-doctoral fellow to join our team. Our laboratory's main focus is aimed at understanding the underlying mechanisms in the development of rare diseases (focus endocrinology, osteology).

The successful candidate will focus on rare bone disease, and the bioinformatic analysis of next generation sequencing data. The focus will be on hypophosphatasia (HPP). A substantial number of variants in regard to uncertain significance (VUS) complicate diagnosing HPP. The project aims to reclassify VUS in the ALPL gene and establish and maintain a publicly accessible, global HPP gene variant database.

### **Job Duties:**

- Bioinformatic analysis of whole exome sequencing, RNA seq, and proteomics data in the search for gene defects that cause rare diseases
- Independent conceptual and technical conduct of molecular and cellular biology methods, including cell culture, cloning, PCR, qRT-PCR, western blot, histology, immunohistochemistry and microscopy
- Genetically manipulate primary cells and cell lines using CRISPR-Cas9 and episomal vectors (work under BSL-2 conditions)
- Collation, analysis, interpretation, presentation and publication of research data
- Continuous update of the HPP database with the reclassified variants from our research and literature-screening for newly published ALPL variants, incl. contacting authors and arranging patient consent where needed
- ClinVar enter all variants in the database, and update list of publications in close collaboration with the project manager and the triaging geneticist
- Submit grant applications as well as conduct and develop a personal research portfolio
- Participation in teaching and organizational activities at the institute/the Faculty of Medicine

### **Your Qualifications:**

- The successful candidate must hold a Doctorate/Ph.D. degree in natural sciences, bioinformatics, or medicine
- Experience working with cell cultures, cloning, PCR, qRT-PCR, western blot, immunohistochemistry and or flow cytometry
- Experience in analysing next generation sequencing data and conducting experimental rare disease research
- Substantial publication track record
- Well organized, detail and solution-oriented as well as the ability to work independently and proactively
- Motivated, flexible team member with outstanding communication skills, and a willingness to learn and develop new techniques
- Strong proficiency in English

We offer a state-of-the-art infrastructure as well as a productive work environment. In addition, the successful candidate will have access to personal development opportunities. Salary is in accordance with standards as outlined by the FWF (Austrian Science Fund) (<http://www.fwf.ac.at/en/research-funding/personnel-costs/>).

**What We Offer:**

- On the basis of full-time employment (40 hours/week) the minimum salary based on the FWF's personnel costs is € 3,945.90 gross per month (14 x per year)
- Stable employer
- Attractive continual educational opportunities
- State-of-the-art research infrastructure/Dynamic research environment
- Exercise and sports classes (USI)
- ...and much more

**Application Deadline:** May 30, 2021.

The Johannes Kepler University wishes to increase the proportion of academic female faculty and, for this reason, especially welcomes applications by qualified women. If applicants are equally qualified, a woman will be given preference for this position. The university welcomes applications from qualified applicants with physical disabilities. These applications will be given special consideration.

**Contact:**

If you have questions, please contact: Mag. Dr. Ahmed El-Gazzar, E mail: [ahmed.el-gazzar@jku.at](mailto:ahmed.el-gazzar@jku.at) or Univ. Prof. Dr. Wolfgang Högler, E mail: [wolfgang.hoegler@jku.at](mailto:wolfgang.hoegler@jku.at).