Helmholtz Zentrum München is a research center with the mission to discover personalized medical solutions for the prevention and therapy of environmentally triggered diseases and promote a healthier society in a rapidly changing world.

The Helmholtz Pioneer Campus (HPC) founded and funded by the Helmholtz Center Munich stands for the intelligent fusion of biomedical sciences, engineering and digitization. At HPC, top scientific talents from across the globe work together on the development of novel solutions that make a difference in the prevention, diagnosis and treatment of diseases.

We are looking for a highly motivated

Principal Investigator Cryo-EM / Cryo-ET in Biomedicine (m/f/x)

101367

**Your responsibilities**

- You lead impactful and collaborative research programs that advance our understanding of cell and/or organismal function with relevance for health and disease
- As proven expert in Cryo-EM / Cryo-ET and single-particle structural analyses, you will advance these exciting technologies in strong liaison with integrative structural biology and structure-based drug discovery activities at Helmholtz Center Munich
- You are intrinsically motivated and willing of exploring Cryo-EM / Cryo-ET technologies for your own research and making it available to our multidisciplinary and highly dynamic research environment
- You become an important driver for scientific and technological innovation in Munich and within the Helmholtz Association
- You are visibly connected to the global bioengineering-, biomedicine and bioinformatics communities

**Your qualifications**

- Master / university and PhD / doctoral degree in (bio)medical engineering, biophysics, cell biology or a related life sciences field
- demonstrated proficiency in cryo-electron tomography with a specific focus on biology or human health-related topics
- integration of cryo-ET with other structural and/or cell imaging modalities plus AI-based analytics for unique and large data sets
- a 3+ year outstanding track record of conceptually-driven scientific achievements
- proven record of acquired third-party funding
- experience in leading international, multidisciplinary projects and teams
- an open and curious mindset with a strong team spirit
- industry/entrepreneurial experience is a plus

What we offer you
work-life balance  
flexible working hours & working-time models  
continuous education and training  
30 days annual leave  
on-site health management service  
home office options  
on-site nursery & holiday care  
elder care  
company pension scheme  
discounted public transport ticket

Note: you will have full access and help run a cutting edge cryo-EM/cryo-ET facility consisting of an Aquilos FIB/SEM and a new 300kV TEM with most current detector and energy filter, including running costs.

Munich, with its numerous lakes and its vicinity to the Alps, is considered to be one of the cities with the best quality of life worldwide. With its first-class universities and world-leading research institutions it offers an intellectually stimulating environment.

Social benefits are based on the collective agreement for the federal public service (TVöD). The position is (initially) limited to 5 Jahre, under certain circumstances an extension can be arranged.

To promote diversity, we welcome applications from talented people regardless of gender, cultural background, nationality, ethnicity, sexual identity, physical abilities, religion and age. Qualified applicants with physical disabilities will be given preference. If you have obtained a university degree abroad, we require further documents from you regarding the recognition of the degree. Please request the recognition as early as possible.

Curious? If you have further questions, simply contact Dr. Thomas Schwarz-Romond, +49 89 3187-1822, who will be happy to be of assistance. Closing date is Jan 16, 2022. Candidate talks and interviews will be scheduled for mid-February 2022.