



HELMHOLTZ PIONEER CAMPUS



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



Full time



Neuherberg near Munich



Management & Executives

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		home office options	
flexible working hours & working-time models		on-site nursery & holiday care	
continuous education and training		elder care	
30 days annual leave		company pension scheme	
on-site health management service		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.

**HELMHOLTZ
MUNICH**

Helmholtz Zentrum München
Deutsches Forschungszentrum für Gesundheit und Umwelt
(GmbH)
Helmholtz Pioneer Campus
Ingolstädter Landstraße 1
85764 Neuherberg near Munich



Award for excellent gender equality policy for women and men. Helmholtz Zentrum München is particularly committed to promoting professional equality between women and men. It therefore aims to increase the proportion of the underrepresented sex in the respective field.

HELMHOLTZ
RESEARCH FOR GRAND CHALLENGES

The Helmholtz Zentrum München is part of the Helmholtz Association, Germany's largest scientific organization. Altogether 42.000 people currently work in its 19 scientific-technical and biological-medical research centers. The Association's annual budget amounts to around 5 billion Euros.