

Job Advertisement: Research Associate

The Hannover Medical School (MHH), with around 10,000 employees as the largest state enterprise in Lower Saxony, is a university institution for research and teaching in human and dental medicine and a university hospital providing supramaximal care. Research, teaching, patient care, and administration work hand in hand within the integration model on the MHH campus.

The focus of the Institute of Neuroanatomy and Cell Biology at MHH is the establishment of translational research concepts to decipher structure/function relationships in the central and peripheral nervous system under physiological and pathological conditions. Through thematic focuses in neuroinfectiology and immunology, neurosensory science, and synaptic plasticity, we align our research content with current neuroscientific questions of high clinical relevance.

The position holder will have responsibilities in research and teaching at the Institute of Neuroanatomy and Cell Biology at MHH. You will work in an international team with high innovative strength.

Your Tasks:

- Investigation of the effects of metabolic products (e.g., proteins, fatty acids, sugars, or RNA species) on synaptic transmission in the central nervous system. A particular focus is on the analysis of synaptic structure/function relationships and their regulation for intercellular interactions.
- Establishment of a CNS tissue culture model for screening human serum samples (blood/CNS interactions).
- Conducting multi-electrode array (MEA) measurements.
- Implementation of AI-based tools in the analysis of research data.
- Supervision of doctoral students.
- Acquisition of competitive third-party funding.
- Collaboration with other research focuses and international partners of the institute.
- Taking over and actively further developing courses in cell biology, as well as microscopic and macroscopic anatomy in the degree programs of Hannover Medical School.

Our Requirements:

- Completed university studies in medicine, natural sciences, or related fields, as well as successful completion of a doctorate.
- An internationally recognized research profile in the field of neuroscience or cell culture systems, usually demonstrated through scientific publications.
- Experience in molecular biological and microscopic techniques.
- Experience in teaching concepts of microscopic and macroscopic anatomy.
- Experience in acquiring third-party funding is desirable.
- Leadership qualities are desirable.

We Offer You:

- An initially three-year fixed-term full-time position with 38.5 weekly hours at one of the largest employers in Lower Saxony, remuneration according to E13 TV-L with the advantages of public service (e.g., occupational pension and additional insurance through VBL).
- Further training to become a specialist anatomist or specialist physician for anatomy.

- A position at the interface of research, teaching, healthcare, and science management.
- Collegial onboarding in a motivated and interdisciplinary team.
- Personal and professional development opportunities—supported by our diverse internal and external training and continuing education offers.
- The possibility of scientific and professional qualification with the aim of habilitation through the institute's structured training programs.
- Very good connections with public transport and a job ticket for public transportation.
- An excellent range of sports, counseling, and preventive programs—because your health is important to us.