

ISAR Bioscience



ISAR Bioscience GmbH is a newly founded translational research company in Planegg near Munich, supported by the Free State of Bavaria. Our research focuses on degenerative diseases of the brain (Alzheimer's), the heart (infarction, cardiac insufficiency) and the immune system. We use induced pluripotent stem cell technologies (iPSC) to develop disease models for the discovery of novel drugs. In doing so, we enter into strategic partnerships with research institutions and industrial companies.

To expand our "Microglia & Neurodegeneration Program" team, we are filling the position full-time as of 1.09.2020

Scientist – Microglia & Neurodegeneration (gn)

Primary responsibilities

- Develop a robust, reproducible and scalable 3D co-culture system to model human Alzheimer's disease pathology using cells derived from induced pluripotent stem cells (iPSC)
- Establish robust and scalable assays to monitor activation status of microglia within the 3D co-culture system using a combination of imaging technologies and biochemical assays
- Develop, optimize, and perform standardized protocols to comprehensively characterize microglia and other relevant disease model cells within a 3D cellular model
- Critically analyze and interpret data and define realistic timelines for studies
- Work closely with and communicate results to internal teams as well as to external partners

Qualifications

- PhD in Neuroscience, Stem Cell Biology, (Neuro)immunology or a related discipline
- Industry experience is a plus
- Experience using iPSC-based technologies
- Experience in neuroscience and characterization of neurodegenerative models
- Experience in neuroimmunology and/or neuroinflammation is a plus
- Knowledge of the drug discovery/development space would be an asset
- Experience in deriving and utilizing neural cultures for cellular modelling of disease (e.g. iPSC-derived neuronal cultures, organoids, microglia, astrocytes, etc.)
- Experience in embedding and culturing cells in a 3D matrix (e.g. matrigel, hydrogels, brain-on-a-chip) is a plus
- Good command of English (both written and spoken); Knowledge of German is an advantage

Our offer

We offer you the special opportunity to accompany and help shape the development of a new research company in an interdisciplinary team with pioneering spirit. You will be given exciting tasks with responsibility and room for initiative and personal development. The salary depends on your qualifications and professional experience and is calculated in accordance with the customs of the civil service.

The position is initially limited until 31.12.2022. There is the possibility of an extension for another two years.

Please send your cover letter and complete application documents with CV, references/ recommendation letter to recruitment@isarbioscience.de. Please indicate "Scientist – Microglia & Neurodegeneration" in the subject line. If you have any questions, please contact Dr. Christiane Schiegerl, Tel: 089-356475-413.

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