

ISAR Bioscience



ISAR Bioscience GmbH is a translational research company founded 2018 in Planegg, Germany. Our goal is to overcome current limitations of stem cell research in order to advance discovery of novel therapeutics and industrial biotechnology products. We use human iPSC (induced pluripotent stem cell) and genome engineering technologies to build the next generation of disease models as well as cell-based models for industrial biotechnology applications. ISAR forges strategic partnerships with industry partners and translates academic achievements and ideas into industrial solutions and products. ISAR attracted an initial 20 Mio € funding from the Free State of Bavaria.

ISAR Bioscience is seeking a fulltime

(Junior) Scientist – Microglia & Neurodegeneration (gn)

ISAR's "Microglia & Neurodegeneration Program" is seeking a Junior Scientist to join a vibrant and growing group currently focusing on the generation of neurodegenerative disease models enabling therapeutics and biomarker discovery for the treatment of Alzheimer's disease and other neurodegenerative disorders. The successful candidate must be a highly motivated and technically skilled scientist with in-depth expertise in molecular cell biology and pathophysiology of neurodegenerative disorders and physiology of microglia.

Position responsibilities

- Design, develop, and perform standardized protocols for iPSC-based differentiation into microglia and generation of physiologically relevant disease models
- Develop, optimize, and perform standardized protocols to comprehensively characterize microglia and other relevant disease model cells
- Characterize CRISPR/Cas genome-engineered cell lines with a focus on mechanistic studies of homeostatic vs. diseased-associated microglia
- Establish functional assays to monitor activation status of microglia using fluorescently labelled reporter lines
- Critically analyze and interpret data, define realistic timelines for studies, and meet delivery deadlines
- Work closely with and communicate/present results to multi-disciplinary and cross-functional teams
- Execute high impact studies within a fast-paced and collaborative environment

Preferred qualifications

- Doctorate degree in Neuroscience, Biology, Physiology, or a related discipline
- or Master's degree and 2 years professional, scientific experience preferentially in pharmaceutical industry or Biotech
- Experience using iPSC-based technologies, differentiation-cultivation-characterization of neurodegenerative disease models ideally including functional characterization of microglia
- Technically proficient with a proven track record of performing and interpreting experiments to characterize genetically modified systems in the neurodegenerative disease space
- Experience with CRISPR/Cas genome engineering and generation of disease-models for complex, multifactorial disorders
- Experience in neuroscience, neurodegeneration pathways, and knowledge of the drug discovery/development space is a plus
- Highly motivated with an ability to design, troubleshoot, problem-solve and execute experiments independently
- Excellent team-working skills and ability to cultivate and foster a productive environment and culture for interdisciplinary exchange and inter-cultural dialogue
- Good command of English and German (both written and spoken) as well as communication skills

Our offer

The successful candidate will have the unique opportunity to work and excel in a newly founded and rapidly growing translational research company with a dynamic and highly interdisciplinary mindset. You will be given interesting tasks and responsibilities with opportunities for personal initiative and professional growth. Compensation will be competitive according public service regulations and commensurate with experience.

Please send your complete application including cover letter, CV, and references to recruitment@isarbioscience.de. Please quote "Junior Scientist – Microglia & Neurodegeneration" in the subject line.

PD Dr. Andreas Hochheimer
ISAR Bioscience GmbH
Institute for Stem Cell & Applied Regenerative Medicine Research
Sammelweisstr. 5 | D-82152 Planegg
<https://isarbioscience.de/>

Sitz der Gesellschaft: Planegg | Registergericht: Amtsgericht München HRB238025
Geschäftsführer: Dr. Ulrich C. Gerth
Aufsichtsratsvorsitzender: Dr. Manfred Wolter