

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 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 will forge strategic partnerships with industry partners and translate academic achievements and ideas into industrial solutions and products. ISAR attracted an initial 20 Mio € funding from the Free State of Bavaria.

ISAR Bioscience GmbH is seeking a fulltime

Scientist – Microglia & Neurodegeneration (m/f)

ISAR's "Microglia & Neurodegeneration Program" is seeking a 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 diseases. The successful candidate must be a highly motivated and technically skilled scientist with in-depth expertise in the molecular cell biology and pathophysiology of microglia and pathways involved in neurodegeneration.

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 relevant disease model cells
- Design, develop, and perform CRISPR/Cas genome engineering to generate neurodegenerative disease models that allow mechanistic studies of homeostatic vs. diseased-associated model systems
- Develop innovative strategies and implement workstreams for deliverables to support program progression
- Evaluate and implement cutting edge technologies for iPSC-based cell differentiation technologies, functional characterization, 2D/3D tissue culture, and genome engineering
- 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, PhD in Neuroscience, Biology, Physiology, or a related discipline
- or Master's degree and 4 years scientific experience preferentially in the pharmaceutical / biotechnology industry
- 2+ years 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 neurodegeneration disease space
- Experience with CRISPR/Cas genome engineering and generation of homeostatic vs. diseased-associated model systems
- Profound expertise in neuroscience, neurodegeneration pathways, and knowledge of the drug discovery/development space
- Established scientific reputation in neuroscience as evidenced by an outstanding publication track record
- Highly motivated with an ability to design, troubleshoot, problem solve and execute experiments independently
- Experience working in a cross-functional, matrixed translational research organization

- Excellent team-working skills and ability to cultivate and foster a productive environment and culture for interdisciplinary exchange and inter-cultural dialogue
- Excellent command of the English and the German language (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 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 "Scientist – Microglia & Neurodegeneration" in the subject line.

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