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 – hiPSC Differentiation and Genome Engineering (m/f)

ISAR is seeking a Scientist to join a vibrant and growing company currently focusing on the generation of cell-based disease models enabling therapeutics and biomarker discovery for the treatment of neurodegenerative and neuropsychiatric diseases, as well as cellular models that emulate the human chemical senses. The successful candidate must be a highly motivated, accomplished and technically skilled Scientist with in-depth hands-on experience in human iPSC technologies and differentiation, as well as CRISPR/Cas genome engineering. The suitable candidate is further adept and experienced in supporting cross-functional programs in a matrixed translational research organization and leading technology platforms.

Position responsibilities

- Design, develop, and perform standardized protocols for human iPSC technologies and differentiation into microglia, neuronal cell types, sensory cells, and other cell types relevant to ISAR programs
- Design, develop, and perform CRISPR/Cas genome engineering to generate disease models that allow mechanistic studies and enable drug discovery approaches
- Develop, optimize, and perform standardized protocols to comprehensively characterize relevant disease models
- Support multiple ISAR programs in genome engineering and generation of physiologically relevant disease models and coordinate large bandwidth of relevant tools and resources
- Develop innovative strategies, implement and coordinate workstreams for deliverables to support progression of ISAR programs
- Evaluate and implement cutting edge technologies for human 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; 2-4 years Postdoc experience in international and competitive environment
- 4+ years experience using hiPSC-based technologies, hiPSC differentiation, functional characterization of disease models, ideally covering neurodegenerative and neuropsychiatric disorders, human chemical senses
- 4+ years experience with CRISPR/Cas genome engineering and generation of biologically meaningful model systems
- Technically proficient with a proven track record of performing and interpreting experiments to characterize genetically modified systems
- Profound expertise in neuroscience, neurodegeneration pathways, and knowledge of the drug discovery/development space

- Established scientific reputation in neuroscience or related fields 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 and leadership skills
- 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 – hiPSC Differentiation and Genome Engineering" in the subject line.

ISAR Bioscience GmbH
Institute for Stem Cell & Applied Regenerative Medicine Research
Semmelweisstr. 5 | D-82152 Planegg
https://isarbioscience.de/

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