

# 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 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 – Human Taste Cell Biology and Taste Modulation

We are seeking Scientists to expand ISAR's "Human Taste Cell Biology and Taste Modulation Program". Suitable candidates join a vibrant and growing company 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 as well as cellular models that emulate the human chemical senses. Successful candidates must be highly motivated and technically skilled scientists with in-depth expertise in molecular cell biology of human taste cells, in physiology of human chemical senses as well as taste modulation. Ideal candidates are further adept in human iPSC technologies and differentiation and CRISPR/Cas genome engineering.

### Position responsibilities

- Design, develop, and perform standardized protocols for hiPSC-based differentiation into human taste cells and generation of physiologically relevant models emulating the human chemical senses
- Develop, optimize, and perform standardized protocols to comprehensively characterize human taste cells and relevant cell-based models
- Develop and implement cell-based models suitable for industry-grade screening for taste modulators for industrial biotechnology as well as biomedical applications
- Develop innovative strategies and implement workstreams for deliverables to support program progression
- Evaluate and implement cutting edge technologies for hiPSC-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; Postdoc experience in internationally distinguished and competitive environment; Or Master's degree and 4+ years scientific experience preferentially in pharmaceutical industry/Biotech
- 2+ years experience using hiPSC-based technologies, differentiation-cultivation-characterization of human taste cells and cell-based models in the field of human chemical senses
- Technically proficient with a proven track record of performing and interpreting experiments to characterize genetically engineered systems in the human taste cell biology and taste modulation space
- Experience with CRISPR/Cas genome engineering and generation of cell-based model systems
- Profound expertise in taste cell biology, human chemical senses physiology, and knowledge of the drug discovery/industrial taste modulation field

- Established scientific reputation 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](mailto:recruitment@isarbioscience.de). Please quote "Scientist – Human Taste Cell Biology and Taste Modulation" in the subject line.

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