

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 GmbH is seeking a fulltime

(Sr) Scientist – Human Taste Cell Biology and Taste Modulation (gn)

We are seeking Scientists to expand ISAR's "Human Taste Cell Biology and Taste Modulation Program". Suitable candidates will join a vibrant and growing company, which is generating the next generation of cellular models that emulate the human sense of taste by differentiating human induced pluripotent stem cells (hiPSC) into human taste cells. Successful candidates must be highly motivated and technically skilled scientists with in-depth expertise in molecular cell biology and developmental biology preferentially of gustatory cells, as well as in molecular mechanisms of taste recognition and signaling. Ideal candidates are further adept in human iPSC and cell differentiation technologies, and CRISPR/Cas genome engineering.

Position responsibilities

- Design, develop, and perform standardized protocols for differentiation of hiPSCs into human taste cells
- Generation of physiologically relevant models emulating the sense of taste
- Develop, optimize, and perform standardized protocols to comprehensively characterize human taste cells and other relevant live cell models
- Develop and implement cell-based models that enable 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, 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 results to multi-disciplinary and cross-functional teams
- Execute high impact studies within a fast-paced and collaborative environment

Preferred qualifications

- Doctorate degree in Biology, Biotechnology, or a related discipline; Postdoc experience in internationally distinguished and competitive environment; Or Master's degree and profound applied R&D experience preferentially in Biotech/pharmaceutical industry
- Experience in biology and physiology of taste
- Sound expertise in developmental biology of taste cells
- Expertise in using hiPSC and cell differentiation technologies
- Knowledge of industrial drug/bioactive discovery processes
- Experience in generating biologically meaningful cell-based assays
- Experience in CRISPR/Cas genome engineering and functional characterization of genetically engineered systems
- Established scientific reputation as evidenced by an outstanding 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 - Human Taste Cell Biology and Taste Modulation" in the subject line.

PD Dr. Andreas Hochheimer
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