HESPEROS
THE HUMAN-ON-A-CHIP COMPANY

Role: Scientist I / Scientist II
iPSC Biologist

About Us: Hesperos, Inc. brings together biologists, surface chemists, and engineers to produce some of the world's most advanced organs-on-chips. From gene expression to electrophysiology, our biologists recreate key components of various organs. Chemically patterned microchips are engineered to enable real-time monitoring of organ activity. Finally, our engineers utilize sophisticated measurement techniques to detect and quantify minute changes. The result of this collaboration is an ability to study therapeutics in a way which was previously only possible in clinical trials.

About You

- You are a rigorous experimentalist who takes pride in your ability to execute at the bench.
- You are conscientious and pay almost obsessive attention to detail, as organized documentation is second nature.
- You are curious, love learning and are eager to take on hard problems.
- You thrive in a fast-paced environment and enjoy pushing the edge of what is possible.
- You are resourceful and like to work independently but are not shy to ask for advice.

What You'll Do

- Keep detailed and organized records of experimental protocols and results
- Design, optimize and oversee day to day experiments
- Present findings and data analysis in research meetings.
- Compile and interpret data and prepare presentations for management review
- Assign tasks to and mentor junior scientists (research associates and research assistants)
- Manage multiple projects (2-4) simultaneously ensuring each project meets required deliverables in appropriate deadline
- Develop statement of work (SOW) and standard operating procedures (SOPs) for client contracts
- Present data in client meetings
- Establish and oversee quality control in all aspects of your team projects
- Write and submit final reports and manuscripts under the guidance of Senior Scientist at the conclusion of a project
- Create, maintain, and curate human patient derived cell sample biorepository, associated QC materials/reagents, and protocols for use/application
- Contribute to the establishment of protocols for directed differentiation of human pluripotent cells to model a variety of cell types and diseases.
- Support development of disease phenotype-specific molecular and functional assays in relevant cell types differentiated from human pluripotent stem cells (such as enzymatic activity, receptor function, metabolic assays).

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Basic Qualifications

- Minimum Requirements: Masters with 3+ years or PhD with 0+ years of experience.
- Proficiency in common office software (typically Microsoft Word, Excel and PowerPoint)
- Ability to lead and mentor research associates
- Experience with mammalian cell culture
- Creativity and the ability to work with an interdisciplinary team to achieve technical and corporate milestones
- Exceptional communication, critical thinking and problem-solving skills
- Knowledge of human pluripotent stem cell culture, characterization, and QC.
- Experience with ESC/iPSC differentiation protocols, reprogramming techniques, and functional readouts.
- Working knowledge of in vivo application of iPSC-derived cell models
- Direct hands-on experience with a variety of cell-based and molecular biology readout technologies, such as flow cytometry immunophenotyping and analysis, FACS (cell sorting), qPCR, ELISA, high-content and confocal imaging.
- Ability to work on weekends when necessary.

Preferred Qualifications

Prior experience in:

- Managing junior technicians and/or graduate or undergraduate researchers
- Experience with Monday.com, Instagantt, and Python
- Independent planning and execution of complex in vitro experiments
- Experience with co-culture models or 3D culture systems, MPS (micro physiological system) (3D multi-cellular culture models, organoids, bioprinting, organ-on-a-chip) is a plus.
- Working knowledge of genome editing tools (CRISPR-Cas9, base editing, prime editing) is a plus

We are an Equal Opportunity Employer with a commitment to diversity. All individuals, regardless of personal characteristics, are encouraged to apply. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, sexual orientation, gender identity, disability, or veteran status.