

Role: Scientist I / Scientist II Liver 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
- Analyze and document data, communicate results clearly and concisely to supervisor and peers
- 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
- Isolate and culture normal tissue cells, cancer cells and other cell types from rodent models of human liver cancers and other liver diseases
- Perform cell-based assays on primary parenchymal and non-parenchymal liver cells, as well as liver cancer cell lines to understand biological/pathological/pharmacological processes-of-interest
- Develop novel cell/tissue culture systems or in vitro assays when needed

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

- Hands on experience with sterile techniques, maintaining and culturing mammalian cell lines and primary cells
- Creativity and the ability to work with an interdisciplinary team to achieve technical and corporate milestones
- Exceptional communication, critical thinking and problem-solving skills
- Proficiency in vitro hepatocytes and iPS cell models and assays
- Experience within Vitro and in vivo liver physiology and translational readouts
- Proficiency in culturing and assaying in primary hepatocytes, hepatic-origin cell lines, organoids and similar hepatic cell model systems
- 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.
- Performing gene editing experiments in hepatic cell lines and primary hepatocytes from multiple species to assess prime editing and phenotypic responses

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.