

Job Description

Job Title:	Cell Culture Scientist		
Department:	Cell Biology	Location:	Madison, WI
Reports To:	Associate Director of Toxicology	FLSA Status:	Exempt
Entities Served:	Stemina Biomarker Discovery	Direct Reports:	N/A

Company Description

Stemina Biomarker Discovery's pioneering cell-based assays arise from the strategic convergence of the groundbreaking technologies metabolomics and human pluripotent stem (hPS) cells. Additionally, Stemina's neurology division, NeuroPointDX, has developed a precision medicine approach to diagnosing and treating autism using biomarkers and tests developed using its proven technology metabolomics platform. The company discovers and validates biomarkers for high throughput diagnostics, drug screening, and toxicology testing in human systems using cultured cells and human clinical samples. Metabolomics enables the discovery of small molecules that can be used as therapeutic agents or candidate biomarkers of pharmacological efficacy or toxicity. For example, the human pluripotent stem cell metabolome provides a source of candidate biomarkers to predict the potential of a chemical to cause birth defects. Stemina provides compound screening, drug discovery, and diagnostic development services for multiple industries (e.g., pharmaceutical, agrochemical, chemical) under service contracts or joint discovery agreements using its proprietary metabolomics platform. Stemina's toxicology division operates under a GLP-like quality system and the diagnostics division delivers tests through its CLIA and CAP certified, high-complexity, clinical laboratory.

Job Purpose

The Scientist of Cell Biology is a growth-oriented position responsible for maintaining human pluripotent stem (hPS) cells, performing cell culture experimental steps, preparing samples for analysis, maintaining laboratory equipment, and managing clinical sample accessioning.

Essential Job Duties and Responsibilities

- Work cooperatively with colleagues in hPS cell maintenance for use in Stemina's business operations.
- Design experiments cooperatively with other departments for projects.
- Direct and perform hPS cell experimentation steps.
- Prepare solutions and reagents for experiments.
- Demonstrate good technical judgment in troubleshooting and identifying process improvement opportunities and techniques.
- Sterilize glassware, order supplies and maintain the order and cleanliness of the lab.
- Perform work according to standard operating procedures (SOPs), departmental policies, to Good Laboratory Practices (GLP) regulations as required regulatory authorities (FDA, CAP, etc.).
- Desire to participate in company programs such as facilitating sample accessioning, sample preparation for further analysis. Additional opportunities will be available and depend on the individual's skills and interest level.

Qualifications

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and Experience

- Bachelor's degree in a biological science.
- Human pluripotent stem cell culture experience.

Knowledge, Skills and Abilities Required

- Excellent oral and written communication skills
- Highly independent personality with good interpersonal skills
- Excellent organizational skills with a attention to detail
- Understanding of aseptic technique
- Familiarity with cell-based assays and other laboratory methods for analysis of biological samples and systems
- Ability to maintain high level of confidentiality
- Ability to effectively communicate with all levels of the organization
- Ability to work with others in a large scale laboratory setting
- Ability to maintain experimental consistency
- Ability to manage multiple priorities and adjust rapidly to changing environments
- Ability to maintain clean, sterile, and well-organized environment
- Possess a high degree of personal responsibility
- Computer Proficiency – experienced with developing and presenting data in spreadsheets and word processing (MS Excel and Word)