Job Description

TECHNICAL ASSISTANT, Biological Engineering (two openings), to join a team in the laboratory of Dr. Linda Griffith under the aegis of the Center for Gynepathology Research and the DARPA Microphysiological Systems Program (MPS). Will be involved in a series of research experiments—in a support capacity—related to tissue engineering and a human on chip project. The MPS “Human Physiome on a Chip” project was launched in July 2012 with the goal of developing a game-changing paradigm for drug discovery and development. The project includes leaders in the fields of tissue engineering, systems biology, toxicology, microbiome, and microsystems technologies at MIT and tissue engineering/device/pharma/biotech companies. The goal is to create a system of ten interacting micro-organs and associated sensors for assessing cellular responses to inflammatory cues and therapeutic interventions. Responsibilities include technical oversight of bronchial epithelial microphysiological systems production and testing; preparing weekly progress reports of ~1 page detailing experimental issues, data/experimental results or updates, and weekly plans and any long-term issues that need addressing by PI or senior staff. Laboratory work includes culturing cells in a sterile manner, IHC, quantitative microscopy, ELISAs, and TEER measurement. Will also analyze and present data to lab members.

Job Requirements

REQUIRED: B.S./B.A. in bioengineering, biology, or related technical discipline; minimum of two years’ laboratory technician experience; experience with mammalian cell culture and basic biochemical assays; good interpersonal and communication skills; solid organizational and planning skills; self-motivation; and detail orientation. Must be able to plan and troubleshoot experiments independently and work as part of a team; follow complex instructions; multitask; and work in a fast-paced, milestone-orientated, and dynamic research environment. Job #12165

Some night and weekend work required.

4/14/15

We are an Equal Opportunity Employer and do not discriminate against applicants due to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability.

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