



Position: Principal Investigator - Microbiology

Location: Ithaca, NY

Position Description:

iFyber is seeking a PhD scientist with expertise in chemistry, biochemistry, or chemical biology with a strong emphasis on the study of microbial pathogens and infectious disease. This individual will lead or significantly contribute to client sponsored projects having a microbial pathogen component in markets that include wound care, medical device, regenerative medicine, and pharmaceuticals with the collective skill sets and experience listed below.

Skills and Experience

- At least 1 year of additional research experience beyond PhD studies (academic or industrial)
- Studying antimicrobial properties using standard (e.g., ZOI, MIC, MBC, etc.) and novel/custom test methods.
- Development of *in vitro*, *ex vivo*, and/or *in vivo* models to study the antimicrobial/anti-biofilm properties of a variety of materials.
- Experimental design and associated statistical analysis methods.
- High throughput screening involving microbial pathogens.
- Experience working at the interface of microbial pathogens and medical devices (e.g., implantable devices, wound dressings, etc.) and associated materials (polymers, drugs, metals, tissues, etc.).
- Experience with various imaging and detection techniques suitable for microbial pathogens and their surrounding environment.
- Track record of increasing role responsibilities and simultaneous management of multiple projects.
- Experience with leading and managing a team of scientists.

Duties and Responsibilities

- Lead and oversee efforts to adapt and develop new protocols
- Devise, write, and present proposals to prospective customers
- Prepare budgets for proposals
- Define experimental design for studies
- Understand customers' needs from a technical and programmatic level
- Oversee projects and ensure that they are completed on time, within budget, and correctly
- Communicate day-to-day project status to customer
- Write and approve reports and other deliverables for submission to customers
- Contribute to conference/tradeshows presence
- Create technical collateral (whitepapers, peer reviewed papers, etc.)
- Formulate and write federal grant proposals
- HR responsibility for direct reports
- Provide training, coaching, and mentorship for direct reports and other team members
- Adhere to quality and regulatory standards, including Good Laboratory Practice (GLP) and Good Manufacturing Practice (GMP), as required