

The American Society of Pharmacognosy

<https://www.pharmacognosy.us/job/director-infectious-diseases/>

Director, Infectious Diseases

Description

We are seeking a highly motivated drug discovery scientist to join our growing biology team located in Cambridge, MA. The ideal candidate will have made substantial contributions to the identification of new targets and drug discovery efforts in the Infectious Diseases therapeutic area including involvement in strategic decisions and significant assay and *in vivo* model development experience. Expertise in the pathogenesis and treatment landscape for fungal diseases (eg. aspergillosis, candidiasis, or cryptococcus), is a plus.

Responsibilities

- Lead a team of research scientists in a matrixed environment to develop and optimize relevant fungal cell-based assays to identify and characterize bioactive molecules
- Develop and execute assays to evaluate drug activity, mechanism and translatability; design and execute *in vitro* and *in vivo* experiments; accurately record, analyze, and present data to project team and company leadership
- Provide strategic input on LifeMine's anti-fungal drug target selection, evaluation and prioritization process
- Drive the drug discovery process through preclinical development, clinical candidate selection through to IND filing for anti-fungal drugs
- Collaborate across functional teams to efficiently identify drug candidates, establish PK/PD/efficacy relationship and translational biomarker strategy to advance them to the clinic
- Drive key relationships with external collaborators and CROs to support internal research goals

Qualifications

- You have a PhD. in Microbiology/Cell Biology/Biochemistry or related subject area with hands-on experience in culturing and manipulating fungi followed by 5+ years drug discovery experience
- You have a demonstrated track record of providing significant biological insights and leadership to drug discovery efforts in a biopharma setting
- You are experienced in antifungal drug discovery with proven experience in the utility of *in vitro* assay systems and whole animal models
- You are familiar with Clinical Laboratory Standards Institute (CLSI) assay protocols for anti-fungal testing
- You have experience developing and executing medium to high-throughput mechanistic and *in vitro/ex vivo* functional assays to interrogate single agent activity as well as synergistic drug/compound combinations that enhance the efficacy of current antifungal interventions
- You have expertise in cellular and molecular biology techniques, co-culture systems, mammalian cell culture, flow cytometry, qPCR, Western blotting, and microscopy
- You are dedicated to establishing a culture of mutual support, cross-training, clear communication, continuous learning and self-organization to

Hiring organization

LifeMine

Employment Type

Full-time

Job Location

Cambridge, MA

Date posted

October 18, 2023

meet project and functional goals

- You thrive in a dynamic, inclusive environment that gives you full accountability for your own contributions and development

Contacts

To Apply: [Opportunities at LifeMine | LifeMine \(lifeminetx.com\)](https://lifemine.com)