Biotechnology Associate 2, YCMD
40335BR

Position Focus

Yale Center for Molecular Discovery (YCMD) is seeking an experienced and motivated scientist to join its Biology group to contribute to the PITCH program effort. PITCH is a three-year state-funded grant program to develop datasets supporting new therapeutics to attract early stage investment and growth of the biotechnology ecosystem in the state. The Biotechnology Associate is expected to provide strong intellectual and technical support for PITCH projects strategy and science. He/she will critically evaluate and determine the required resources for a successful PITCH project, and provide expert drug discovery advice to strengthen feasibility, target-disease connection, market potential and animal models availability. The Biotechnology Associate will be managing several diverse PITCH projects, including projects review, work plan and milestones development, and project communication. Also both independently and as part of the matrixed team, the Biotechnology Associate will develop biochemical and cell-based assays, and execute and interpret high-throughput screens using the Center's small molecule collections. As projects and applications are diverse, broad knowledge and experience are critical for success in this role.

Essential Duties

1. Actively participate in literature review, research design, implementation and daily operations of the lab.

2. Pre-review PITCH project proposals to provide feedback during the application process and ensure feasibility given Center resources. Collaborate with PIs and PITCH project teams to recommend and implement research strategies for projects accepted in the Program. Perform detailed background research on target-disease connection and post references on fileserver. Primary responsibility for researching and being aware of all genetic and biological target literature precedent, and the fit of the assay to that precedent.

3. Provide expert guidance for PITCH projects strategy and science. Coordinate project efforts within PITCH project teams. Develop PITCH project work plans consistent with approved project scope. Develop and track milestones and recommend go/no go decision points to track the success of the projects. Identify issues and recommend solutions.

4. Carry out multiple and diverse research projects, both independently and in collaboration with PITCH project scientists. Design experiments, develop high-throughput methods, execute screens, and analyze the results. Recommend approaches for validation and follow-up. Identify, evaluate and purchase work from contract partners as needed.

5. Document research progress daily on Center's electronic management system. Present weekly updates to screening team. Document results for discussion and reporting purposes. Prepare quarterly PI progress reports and business case slides for investor slide decks.

6. Set up, run and maintain sophisticated Center instrumentation. Investigate, diagnose and correct system malfunctions. Write Standard Operating Procedures.

7. May perform other duties as assigned.

Required Skill/Ability 1	Experience in scientific project management in drug discovery or equivalent academic experience. Ability to work both independently and as part of matrix team to manage projects, develop work plans, and design and carry out experimental programs. Strong organizational skills, ability to multi-task and juggle multiple active projects.
Required Skill/Ability 2	Deep knowledge of molecular biology, biochemistry and cell biology. Experience with cell-based and biochemical assay development. Tissue culture experience and experience with biochemical assays using recombinant proteins. Strong quantitative skills. Expert level experience in scientific software for data analysis and statistics.
Required Skill/Ability 3	Excellent communication and interpersonal skills. Ability to interact favorably and professionally with a diverse group of scientists and entrepreneurs. Ability to learn new techniques and manage complex laboratory processes.
Preferred Skill/Ability	Experience with liquid handling and automation. Working experience using computer-run instrumentation. Experience using statistical methods to analyze large scale scientific experiments.
Preferred Education and Experience	Ph.D. in Biology, Biochemistry or other related discipline. Four years of experience in academia or industry (pharmaceutical or biotechnology company) is highly preferred.

Application: For more information and immediate consideration, please apply online at www.yale.edu/jobs - the STARS req ID for this position is **40335BR**. Please be sure to reference this website when applying for this position.