

Postdoctoral Researcher DAMP Lab at Boston University

The Design, Automation, Manufacturing, and Processes (DAMP) Lab at Boston University is working to become the preeminent “cloud laboratory” for remote, replicable, and distributed biomanufacturing in an academic setting worldwide by providing an open-source software, education, and training ecosystem to enable diverse researchers (www.damplab.org). This postdoctoral position is a unique opportunity to be trained in a cross-disciplinary environment, including CLIA lab operations, high throughput laboratory operations, assay development, and data science and analysis. The ideal candidate will have previous experience in assay development, clinical research, and data analysis. The role will include mentoring and teaching research scientists and graduate students.

Role Responsibilities:

- Participate in the scientific design, execution, and validation of a novel assays, including library prep, sequencing, DNA assembly, DNA/RNA extraction, qPCR, blood analysis, etc.
- Translating manual protocols to automated protocols.
- Interface with industry, academic, and non-profit clients.
- Participate in the logistics and analysis of clinical samples.
- Interpret experimental results and make recommendations for next steps.
- Participate in compiling and submitting data for regulatory approval.
- Keep detailed laboratory notes of experiments and effectively use Laboratory Information Management Systems and other shared storage resources.
- Provide scientific and technical expertise and mentoring for technicians, graduate students, and other stakeholders.
- Participate in preparing grant submissions.

Qualifications:

- PhD in molecular biology/biomedical engineering/biology.
- Some familiarity with clinical research and/or CLIA lab procedures.
- Work well in a team environment.
- Desire to improve leadership skills.
- Excellent communication skills (oral and written), documentation (record keeping, lab notebook, reports), organization and interpersonal skills.
- Ability to write concise summary reports of research protocols and results.
- Innovative thinker interested in working in a start-up environment.
- Attention to detail, safety, and good laboratory practice.

Other Details:

- Please send your resume, a list of three references, and cover letter by **March 31, 2024**, to catherin@bu.edu