

Clinical Blood Biochemist/Microbiologist at Biomedical Diagnostics Startup

We are a Boston-area biomedical diagnostics startup company seeking a Clinical Blood Biochemist/Microbiologist to join our team.

Your mission will be to apply your biochemistry and microbiology expertise in support of developing rapid clinical diagnostics. Working closely with a multidisciplinary team spanning many fields of expertise, from medical microbiology to machine learning, you will take the lead designing, executing, and interpreting experiments involving blood-borne pathogens and biochemical growth conditions—helping advance diagnostics that improve patient outcomes around the globe.

Required Qualifications

- Master's degree or PhD in biochemistry, microbiology, or a related life sciences field
- 2+ years of wet-lab experience, ideally in a BSL2 and/or clinical laboratory setting
- Hands-on experience with microbial culturing, gram staining, and antimicrobial susceptibility testing
- Excellent interpersonal skills and experience working in teams (including leading small teams)
- Experience designing and conducting experiments involving growth of bacteria and fungi in blood and/or blood-derived growth media
- Deep understanding of blood chemistry, including pH, blood additives (e.g. anticoagulants), and blood components (molecular and cellular)
- Skilled in preparing and managing blood cultures and growth assays for clinically relevant organisms
- Excellent documentation habits and experience writing and maintaining SOPs and lab protocols
- Strong organizational and communication skills, both written and verbal
- Commitment to accuracy, quality control, and laboratory safety standards
- Quantitative skills (significant digits, units, choosing appropriate statistical tests) and formal reasoning (identifying key problems, defining null hypotheses, designing experiments to falsify null hypotheses, predicting outcomes, planning how potential outcomes address key problems and next steps, comparing actual outcomes to predictions, determining next steps)
- Comfort in both leading and taking direction

Preferred Qualifications

- Experience supporting or working alongside clinical microbiologists in a diagnostic or research setting
- Familiarity with laboratory instrumentation for microbial growth and analysis (e.g. incubators, anaerobic chambers, spectrophotometers)
- Experience with fungal identification or culturing in clinical matrices
- Exposure to automated microbial identification tools or molecular platforms (e.g. MALDI-

TOF, BioFire)

- Familiarity with basic programming or data analysis tools (Python, R, Excel macros, etc.)

Particulars

- Company headquarters: Beverly, MA; on-site work required
- Competitive salary and equity compensation package
- Comprehensive health benefits and flexible paid time off

Why Join Us?

With the above qualifications, you could work anywhere. But ask yourself: do you want to be just a cog in someone else's machine? Punching a clock for a paycheck? Working on something sad, boring, or meaningless? Or do you want to be a mission-critical part of building things to save lives? If the answer to that last question is "yes," please send a short (~250-word) cover letter and resume/CV, including any links to your GitHub or other relevant work, to careers@astradx.com.

Note: Your cover letter should:

- Explain what it is about us, and/or about your background, that makes you interested in us specifically (~100 words)
- Mention one concept, idea, invention, or discovery that you've come across in the past year or so that you've found **really cool**, and describe **why** (~100 words). It can be related to this area, your own work, or something else