



Description:

Day Zero Diagnostics (DZD) is an exciting startup revolutionizing infectious disease diagnostics, by leveraging cutting-edge sample prep technologies, whole genome sequencing and machine learning. We are building the next generation of IVDs, able to perform comprehensive bacterial species ID and antimicrobial resistance and susceptibility (AMR/S) profiling in less than 8 hours of sample receipt, without the need for culture.

Our first application is for Sepsis. Sepsis is responsible for about a third of hospital deaths and costs hospitals in the US about \$24B annually. Using the current culture-based approach for pathogen ID and AST that takes 2-5 days and has a 40% failure rate, patients with Sepsis are treated with broad-spectrum antibiotics, leading to significant toxicity, higher rates of organ injury, increased risk of *c. difficile* infection, and contributing to the growth of the antibiotic resistance problem, globally.

By providing an accurate and comprehensive diagnosis within the first cycle of treatment, patients can get appropriate antibiotic therapy for systemic infections such as sepsis, reducing hospital treatment durations and costs.

At Day Zero Diagnostics we are passionate about our mission of modernizing infectious diseases diagnosis and treatment. Employees gain experience in a multidisciplinary and fast-paced start-up, and have ample opportunities to acquire new skills, engage with emerging technologies, work closely with our accomplished team, and communicate their results, all while working in a supportive and energetic environment.

As DZD continues to develop and expand our product pipeline, we are currently seeking a highly motivated Research Scientist to join our assay development team.

Job Duties:

The applicant will independently carry out activities to perform laboratory research and be actively involved in Day Zero Diagnostics' *in vitro* diagnostic device development. Duties include:

- Organize and lead research projects to improve DZD developed protocols, including:
 - Explore various nucleic acid amplification approaches as alternatives to current protocols

- Expand, adopt, and validate additional protocols on sample types in addition to blood
 - Work closely with the Director of Molecular Assay Development on future R&D priorities.
- Maintain lines of communication between all relevant parties, including management and research associates
- Analyze results and summarize in clear outputs and memos
- Supervise Research Associates to efficiently complete milestones
- Mentor and help develop direct reports' career path
- Demonstrate integrity, excellence, accountability, and teamwork in all interactions

Qualifications:

- A PhD or MS with minimum 5 years of relevant experience in molecular biology, microbiology, or related field
- Experience with whole genome amplification, single cell sequencing, or cutting edge molecular biology methods development preferred
- Highly motivated and with demonstrated ability to work independently and part of a team environment
- Exceptional organizational skills and excellent attention to detail
- Desire to grow within the organization
- Experience in mentorship preferred
- Occasional weekend or evening flexibility

To apply, please follow the link to Day Zero Diagnostics careers section:

<https://www.dayzerodiagnostics.com/careers>

Provide a cover letter, your most recent CV, a minimum of 3 references.

Alternatively, please contact Kevin at kevin@dayzerodiagnostics.com for more information.

Job Type: Full-time