

Postdoctoral Researcher – Biochemistry

Location: Livermore, CA

Full Time, Temporary

What Your Job Will Be Like

Are you looking for an opportunity to do impactful and creative research? Sandia/California's Biotechnology & Bioengineering Department is seeking a highly dedicated biology postdoctoral appointee to join a hardworking and multidisciplinary team using microbiology and molecular biology techniques to investigate the relationship between bacterial communities and bacteriophages. The selected applicant will use their experience and technical creativity to develop next generation toolkits for bioremediation and bio-manufacturing applications. This individual will work in the merger between basic science and groundbreaking applications for the purpose of solving some of the nation's most challenging problems. The individual selected will work at Sandia's Livermore campus.

On any given day, you may be called on to:

- Use molecular biology techniques to engineer bacterial genomes
- Use analytic chemistry techniques to determine bacterial signatures
- Use microbiology techniques to cultivate microbes
- Plan and implement experiments to isolate variables needed for understanding basic phenomena
- Analyze and integrate results as a member of a team of scientists and engineers
- Publish scientific papers in peer-reviewed journals and present findings at seminars and conferences
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Qualifications We Require

- PhD in Biology, Biochemistry, Microbiology, Molecular Biology, Analytical Chemistry or a closely related field
- High technical achievement as evidenced by publication in high-impact scientific journals and the proven ability to conduct creative, independent research within a team environment
- Ability to obtain and maintain a DOE Q-level security clearance

Qualifications We Desire

One or more of the following:

- Ability to operate and analyze analytic chemistry equipment (i.e. GC/MS, LC/MS, etc.)
- Knowledge of sequencing technologies (RNA-sequencing, DNA sequencing)
- Molecular Biology skills (cloning, plasmid design, etc.)
- Microbiology skills

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, or veteran status and any other protected class under state or federal law.

Apply online at:

sandia.gov/careers

Job #: 683205

About Sandia:

Sandia National Laboratories is the nation's premier science and engineering lab for national security and technology innovation, with teams of specialists focused on cutting-edge work in a broad array of areas. Some of the main reasons we love our jobs:

- Challenging work with amazing impact that contributes to security, peace, and freedom worldwide
- Extraordinary co-workers
- Some of the best tools, equipment, and research facilities in the world
- Career advancement and enrichment opportunities
- Flexible work arrangements for many positions include 9/80 (work 80 hours every two weeks, with every other Friday off) and 4/10 (work 4 ten-hour days each week) compressed workweeks, part-time work, and telecommuting (a mix of onsite work and working from home)
- Generous vacations, strong medical and other benefits, competitive 401k, learning opportunities, relocation assistance and amenities aimed at creating a solid work/life balance*

World-changing technologies.

Life-changing careers.

**These benefits vary by job classification.*

Learn more at: www.sandia.gov/careers

About Our Team

The Biotechnology and Bioengineering Department, located in Livermore, CA, performs both basic and applied biological and bioengineering research with broad applications in national security, biodefense, health security, climate, and energy security. Our research in virology, microbiology, immunology and bioinformatics, is addressed by advanced technology development including CRISPR/Cas technologies, antibody engineering, advanced omics, synthetic biology, and advanced materials and nanotechnology. Our department is integrated into the highly multidisciplinary Applied Biosciences and Engineering Group, comprised of researchers with expertise in many fields of biology (molecular biology, microbiology, virology, immunology, and biochemistry), chemistry (analytical, organic, and physical), computational science (bioinformatics, machine learning, computational chemistry), and engineering (chemical, mechanical and biomedical).