

Life Science Research Professional 1

 School of Medicine, Stanford, California, United States

NEW

 Research  4 days ago  86652

Apply for Job

Share this Job

Sign Up for Job Alerts

Stanford University is seeking a highly motivated Life Science Research Professional 1 to join a laboratory studying fundamentals of human immunology in order to develop cutting edge immunotherapies for pediatric cancer patients. You will be working with Dr. Mark Davis, a world leader in immunology and Howard Hughes Medical Investigator, and Dr. Adrienne Long, a pediatric oncology post-doctoral fellow in his lab. As an LSRP 1, your duties will include processing human samples, cell culture, performing classical immunology experiments (flow cytometry, ELISA), and participating in cutting edge single cell experiments (including CyTOF, single cell RNA-seq, and single cell ATAC-seq). You will work closely with the principal investigators and other scientists at Stanford University, Stanford Cancer Center, and the Lucile Packard Children’s Hospital. You will function largely independently on a daily basis after training, with close guidance and supervision from Dr. Long. Your work will be central to several major research projects, and co-authorship on high-impact publications is expected.

The research will require you to be adaptable and able to work in a fast-paced environment. Learning new techniques in the lab or from other labs to increase expertise will be encouraged. Candidates should have excellent communication skills, be highly organized, and comfortable with new technology. BS degree, or equivalent, with previous experience in laboratories is required. This position will provide an outstanding experience for a career in science, medicine, or biotechnology. Interested candidates should include a cover letter and curriculum vitae.

Davis Lab Website: <https://med.stanford.edu/davislab.html>
Dr. Long’s Stanford Profile: <https://profiles.stanford.edu/long>

Duties include:

- Plan approach to experiments in support of research projects in lab and/or field based on knowledge of scientific theory.
- Independently conduct experiments; maintain detailed records of experiments and outcomes.
- Apply the theories and methods of a life science discipline to interpret and perform analyses of experiment results; offer suggestions regarding modifications to procedures and protocols in collaboration with senior researcher.
- Review literature on an ongoing basis to remain current with new procedures and apply learnings to related research.

- Contribute to publication of findings as needed. Participate in the preparation of written documents, including procedures, presentations, and proposals.
- Help with general lab maintenance as needed; maintain lab stock, manage chemical inventory and safety records, and provide general lab support as needed.
- Assist with orientation and training of new staff or students on lab procedures or techniques.

*- *Other duties may also be assigned.*

DESIRED QUALIFICATIONS:

The desired candidate should have experience in techniques such as cell culture, DNA/RNA isolation, and PCR.

Experience in flow cytometry, CyTOF, single cell RNA-seq, and bioinformatics is preferred but not required.

EDUCATION & EXPERIENCE (REQUIRED):

Bachelor's degree in related scientific field.

KNOWLEDGE, SKILLS AND ABILITIES (REQUIRED):

- General understanding of scientific principles. Demonstrated performance to use knowledge and skills when needed.
- Demonstrated ability to apply theoretical knowledge of science principals to problem solve work.
- Ability to maintain detailed records of experiments and outcomes.
- General computer skills and ability to quickly learn and master computer programs, databases, and scientific applications.
- Ability to work under deadlines with general guidance.
- Excellent organizational skills and demonstrated ability to accurately complete detailed work.

CERTIFICATIONS & LICENSES:

None.

PHYSICAL REQUIREMENTS*:

- Frequently stand, walk, twist, bend, stoop, squat, grasp lightly, use fine manipulation, grasp forcefully, perform desk-based computer tasks, use telephone, write by hand, lift, carry, push and pull objects weighing over 40 pounds.
- Occasionally sit, kneel, crawl, reach and work above shoulders, sort and file paperwork or parts.
- Rarely climb, scrub, sweep, mop, chop and mix or operate hand and foot controls.
- Must have correctible vision to perform duties of the job.
- • Ability to bend, squat, kneel, stand, reach above shoulder level, and move on hard surfaces for up to eight hours.
- Ability to lift heavy objects weighing up to 50 pounds.
- Ability to work in a dusty, dirty, and odorous environment.
- Position may require repetitive motion.

- Consistent with its obligations under the law, the University will provide reasonable accommodation to any employee with a disability who requires accommodation to perform the essential functions of his or her job.

WORKING CONDITIONS:

- May require working in close proximity to blood borne pathogens.
- May require work in an environment where animals are used for teaching and research.
- Position may at times require the employee to work with or be in areas where hazardous materials and/or infectious diseases are present.
- Employee must perform tasks that require the use of personal protective equipment, such as safety glasses and shoes, protective clothing and gloves, and possibly a respirator.
- May require extended or unusual work hours based on research requirements and business needs.

WORK STANDARDS (from JDL):

- Interpersonal Skills: Demonstrates the ability to work well with Stanford colleagues and clients and with external organizations.
- Promote Culture of Safety: Demonstrates commitment to personal responsibility and value for safety; communicates safety concerns; uses and promotes safe behaviors based on training and lessons learned.
- Subject to and expected to comply with all applicable University policies and procedures, including but not limited to the personnel policies and other policies found in the University's Administrative Guide, <http://adminguide.stanford.edu>.

Additional Information

- Schedule: Full-time
- Job Code: 4945
- Employee Status: Regular
- Grade: E
- Requisition ID: 86652