

Staff Scientist, Gene Editing

Job description: Staff Scientists who specialize in gene editing use their experience and knowledge to work with a cross-functional team of cell and molecular biologists to develop gene-edited, clonal mammalian cell lines. Primary responsibilities include independently maintaining cell cultures, transfection including gene editing reactions, manual dilution, clonal cell isolation and expansion and cryopreservation with minimal supervision. Some on-the-job responsibilities will involve characterizing growth and engineering characteristics of a variety of cell lines and types; maintenance of a highly organized, technical and detailed laboratory notebooks containing protocols used and the results derived from each experiment or measurement; maintenance of laboratory equipment; preparation and dissemination of technical reports; and close communication with all involved team members. Staff scientists are also expected to maintain familiarity with current scientific literature and techniques in the field of CRISPR-based gene editing.

Education required: Bachelor's degree in biological sciences or related field with 0 – 4 years of work experience in a biotech setting.

Job outlook: The U.S. Bureau of Labor Statistics projects demand for medical scientists to grow 6 percent from 2019 to 2029, faster than the average for all occupations. Medical scientists will continue to be needed because they contribute to the development of treatments and medicines that improve human health.

Salary range: \$45,000 - \$70,000

Classes to take in middle and high school in order to get a head start:

- Biology
- Chemistry
- Statistics
- Math
- Writing

Skill Builders:

- Interest in laboratory-based experimentation
- Writing skills
- Record keeping and documentation
- Problem solving skills
- Time management