Vor Biopharma is a preclinical biotechnology company founded by leading scientists (including Siddhartha Mukherjee), and backed by top venture capital firms. Vor is developing targeted therapies based on engineered hematopoietic stem cells that are designed to transform outcomes for cancer patients. To date, targeted therapies have applied to a limited set of cancers due to off-target effects on healthy tissues. Vor’s technology eliminates effects on healthy tissues, thereby dramatically increasing the druggable target space across a range of cancer types.

Position Description:

Associate Scientist, Molecular and Cell Biology

The successful candidate will contribute to advancing Vor’s engineered hematopoietic stem cell products. This will involve working within a team environment to execute experimental plans requiring skills in fundamental molecular biology, cellular engineering, and hematopoietic stem cell biology.

Key areas of responsibility

- Routinely perform culture, editing and manipulation of primary cells and cell lines
- Conduct cell-based assays such as flow cytometry and colony-forming assay to evaluate phenotypic changes in gene modified cells
- Perform molecular biology work such as DNA and RNA extraction, PCR/qPCR, and next-generation sequencing library preparation, as well as protein-based assays such as Western blot
- Implement sensitive genome-wide assays for various types of mutations and chromosomal rearrangements
- Processing of cells and tissues from xeno-transplanted animals
- Participate in the design of experiments, the interpretation of data, and lead trouble shooting with oversight from senior scientific personnel
- Participate in drafting standard operating procedures, work instructions, test methods, study protocols, and technical reports
- Participate in drafting presentations and progress at regular internal research meetings
- Maintain a clear, detailed laboratory notebook to document all experiments and findings
- Comply with best safety practices

Qualifications

- Bachelor’s or Master’s Degree in fields such as biochemistry/molecular biology, immunology, cancer biology, bioengineering, or related discipline is required (title and compensation commensurate with experience)
  - Bachelor’s Degree with 3+ years’ experience, or; Master’s Degree with 2+ years of laboratory experience in an academic or industry setting (industry preferred)
- Experience with mammalian cell culture
Experience using gene editing tools (CRISPR, TALEN, or ZFN) as well as previous experience in gene editing

Previous experience identifying off-target sites is a plus

Experience in hematopoietic stem cell or CAR-T relevant experimental techniques, including both in vitro cellular assays and in vivo transplant models is highly desirable

Excellent communication, organization, and technical writing skills

Strong problem-solving skills and the ability to work independently in startup environment

Immediate availability