**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:**

**Scientist/Sr. Scientist in Genome Engineering**

The successful candidate will lead a project aimed at developing innovative ways to engineer Vor’s new generation of hematopoietic stem cell products using multiplex gene editing systems. This will involve design and execution of experimental plans comprised of fundamental molecular biology techniques and biochemical/biophysical assays.

**Key areas of responsibility:**

- Evaluate existing gene editing systems (including ZFN, TALENs and CRISPR systems) and design/optimize new systems to enable multiplex genome editing capabilities
- Develop *in vitro* molecular biology and biochemical assays to analyze gene editing outcomes
- Design experiments, interpret data, and problem solve with a high level of independence and creativity to advance company's hematopoietic stem cell therapy platform
- Deliver results by creating presentations to effectively communicate progress to senior management
- Collaborate cross functionally between research groups
- Draft standard operating procedures, work instructions, test methods, study protocols, and technical reports
- Maintain a clear, detailed laboratory notebook to document all experiments/findings and comply with best safety practices

**Qualifications:**

- PhD is required: Strong preference in molecular biology, biochemistry, or related discipline
- 3-6 years of experience in postdoctoral training or in industry setting preferred
- Deep understanding of & hands on experience with gene editing and molecular biology (including RNA/DNA extraction, gRNA design, molecular cloning, qPCR)
- Experience with DNA repair, enzyme kinetics, biochemistry and mammalian cell culture
- Excellent communication, organization, and technical writing skills
- Strong problem-solving skills and the ability to work independently in startup environment
- Passionate about bringing therapies to patients