**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 on-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 vivo Biology**

The successful candidate will lead a project aimed at developing & optimizing Vor's engineered hematopoietic stem cell products. This will involve design and execution of an experimental plan comprised of fundamental molecular biology, cellular engineering, hematopoietic stem cell biology, and humanized mouse model approaches.

**Key areas of responsibility:**

- Develop assays (in vitro & in vivo) to study hematopoietic stem cell behavior in response to cellular engineering
- Coordinate in vitro and in vivo testing at external contract research organizations and with other collaborators, as needed
- Design experiments, interpret data, and problem solve with a high level of independence and creativity to advance company's hematopoietic stem cell therapy platform
- Draft standard operating procedures, work instructions, test methods, study protocols, and technical reports
- Create presentations and present progress to senior management
- Maintain a clear, detailed laboratory notebook to document all experiments and findings
- Comply with best safety practices

**Qualifications:**

- PhD is required: in fields such as molecular biology, cellular biology, bioengineering, or related discipline
- 2+ years of experience postdoctoral training or in industry setting preferred
- Deep understanding of & hands on experience with studying hematopoietic stem cell biology required
- Demonstrated experience with NSG and related mouse models for studying hematopoietic stem cell function
• Experience with mammalian cell culture, including hematopoietic stem cells, and carrying out validation studies in vitro and in vivo, including FACS, ELISA, immuno-blotting, and immunohistochemistry
• Experience using gene editing tools (CRISPR, TALEN, or ZFN) is a plus
• 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