Principal/Senior Process Development Scientist (CAR-T/Gene Therapy)

Join our team! At Mustang Bio we are driven by people. The patients we serve and the team we are building are the driving forces behind our mission to deliver life-changing first-in-class cell and gene therapies to patients with genetic diseases and aggressive forms of cancer.

Overview:

The successful candidate will join the Process Development group in the production of genetically engineered T cells and hematopoietic stem cells, execution of process development experiments, participation in the evaluation of new technologies, and support of the process transfer to manufacturing. The position represents an excellent opportunity for career development, working closely with experienced CGT industry personnel in a fast-paced and highly collaborative environment.

Responsibilities:

- Direct BLA-enabling experiments to determine process windows for Critical Process Parameters
- Work independently to improve CAR T and HSC manufacturing processes through designed experiments using innovative approaches
- Develop and author protocols, SOPs, and risk assessments as needed
- Both hands-on and supervision of laboratory work required
- Guide and mentor lower-level personnel in design and execution of experiments
- Work closely and effectively with our internal manufacturing group and/or CMOs for technology transfer and support
- Analyze data using commercial software (JMP, Minitab, Excel, etc.) and communicate results to cross-functional team members (PD, manufacturing, analytics). Write clear and concise research reports.
- Support cross-functional projects and establish strong relationships with research, analytical and manufacturing stakeholders.

Education & Experience:

- Advanced Degree in Bioengineering/Biomedical Engineering/Immunology or related field
- 5+ years of experience in biotechnology industry
- 7+ years of experience in research, including academics
- Experience with lentiviral transduction and CAR-T and/or HSC production required
- Expertise in flow cytometry preferred
- Familiarity with CliniMACS, Fresenius Kabi, and other closed cell processing systems desirable