



Job Description – Process Development Associate Scientist/Scientist

Avenge is looking for a highly motivated process development Associate Scientist/Scientist to join the Process Development team. This candidate should be eager to join a growing organization that aims to treat solid tumors with a cell-based immunotherapy. This person will work in the lab and focus on formulation development as well as process development associated with drug product unit operations such as cryopreservation, and fill-finish. Candidates should be detail oriented, have strong lab skills, with some technical knowledge of GMP processes, particularly drug product formulation. Experience with mammalian cell cryopreservation is a plus.

Responsibilities:

- Develop formulations and execute development stability studies to establish shelf life of drug product
- Develop processes for drug product formulation and automated fill-finish to support product development from clinical to commercial scale
- Work with external vendors to identify appropriate fill-finish technology for encapsulated drug product
- Identify appropriate container closure for the drug product to meet the program needs and support qualification studies to establish container closure integrity
- Collaborate with other scientists to establish critical process parameters for drug product manufacturing processes
- Assist with designing and executing experiments to optimize processes for controlled rate cryopreservation and thawing of cell encapsulated drug product
- Make detailed observations in a well-maintained laboratory notebook
- Author technical reports and write risk assessments to support regulatory filings and implement process changes
- Assist with technology transfer to contract manufacturing organizations, which includes writing tech transfer documents and working to develop master batch records
- Support process development of drug substance unit operations as needed (such as cell expansion).
- Reports to the Sr. Director of Process Development at Avenge Bio.

Preferred Qualifications:

- BS or MS degree in biological, chemical, materials, or mechanical engineering, biotechnology, or relevant life sciences field
- Attention to detail, critical analysis of data, and troubleshooting abilities
- Ability in prioritization of experiments, data analysis, and lab operations
- Highly collaborative working style, and ability to adapt in a fast-paced environment
- Basic understanding of analytical methods that support both drug substance and drug product testing
- Experience in cryopreservation and aseptic techniques
- Exposure to biomaterials, and cell encapsulation is a plus



- Previous experience (5-8 years with a BS or 4-5 years with an MS) in formulation development, and/or fill-finish process development of biologics or cell based drug products
- Experience in cell and gene therapy is a plus

About Avenge Bio:

Avenge Bio, Inc. (“Avenge”) is an oncology-focused biotechnology company developing transformative cell-based immunotherapeutic products for the treatment of intractable solid tumors by incorporating its LOCOcyte™ platform. The LOCOcyte™ platform leverages proprietary engineered cells delivered to the local tumor environment that generate high concentrations of immune effector molecules in proximity to the tumor. This initiates a robust, local and durable systemic immune response while avoiding toxicities associated with systemic immunotherapies. Avenge's most advanced product candidate, AVB-001, produces native IL-2 immunotherapy and is initially being studied in metastatic peritoneal cancers such as ovarian cancer. Avenge has additional pipeline candidates for the treatment of a wide range of cancers including pancreatic, lung and breast cancers. Avenge Bio was founded in 2019 based upon technology developed in the laboratory of Omid Veischi, Ph.D. and has an exclusive license from Rice University for this technology. To learn more, visit www.avengebio.com