

## Associate Scientist, Research

### Company

Visterra is a clinical stage biotechnology company committed to developing innovative antibody-based therapies for the treatment of patients with kidney diseases and other hard-to-treat diseases. Our proprietary technology platform enables the design and engineering of precision antibody-based product candidates that specifically bind to, and modulate, key disease targets. Applying this technology to disease targets that are not adequately addressed by traditional therapeutic approaches, we are developing a robust pipeline of novel therapies for patients with unmet needs.

Visterra is a wholly owned subsidiary of Otsuka America, Inc., which is a U.S. holding company and a wholly owned subsidiary of Otsuka Pharmaceutical Co., Ltd. of Japan. Visterra has approximately 70 employees and is located in Waltham, Massachusetts.

### Summary

Visterra, Inc., is looking to hire a highly motivated Associate Scientist with research experience in biochemistry, protein sciences and/or molecular biology applied in the context of antibody-based therapeutic drug discovery.

This individual will play a key technical role in advancing Visterra's early research programs in autoimmunity, immunology and related areas. The role will focus on design and implementation of library-based protein engineering technologies, recombinant protein production, engineering therapeutic properties, and biological characterization of lead molecules to support the discovery and validation of therapeutic antibody candidates.

This is a full-time laboratory-based position located at Visterra's facility in Waltham, MA.

### Responsibilities

- Work collaboratively on a project-based team developing therapeutic biologic molecules from conception through to pre-clinical in vivo studies.
- Characterize biologic drug candidates using in vitro and cell biology assays based on ELISA, SPR, flow cytometry, and related techniques.
- Develop and execute antibody high-throughput screening methods using automation.
- Design and implement in vitro screening and characterization of biologics-based drug candidates using a number of immunological, biochemical, and cell-based assays.
- Participate in the construction and screening of yeast display antibody libraries through immunization, antibody display, and flow cytometry.
- Clone and produce recombinant proteins and antibodies.

- Document, analyze and interpret data for internal decision making, publications, presentations, patents and regulatory filings.
- Write reports and present results both within the team and across Visterra.

### Requirements

- Bachelor's or master's degree in molecular biology, biotechnology, or a related field.
- B.S. plus five years of experience or M.S. plus four years of experience performing laboratory research, preferably in a biotech and team-based setting. This is a non-Ph.D. position.
- Relevant experience in screening and characterization of biologics, protein engineering and production; assay automation is highly preferred.
- A strong ability to communicate scientific topics in writing and presentations.
- Strong self-motivation and demonstrated ability to work independently in a laboratory setting.
- Experience developing and executing quantitative biochemical assays, using techniques including but not limited to ELISA, SPR, Western blotting, qPCR.
- Experience with recombinant DNA, such as cloning, plasmid construction, and sequence analysis.

### Other Qualifications

- An understanding of antibody structure and function, roles in immune regulation, and therapeutic applications.
- Experience in the screening and characterization of protein-based therapeutics using in vitro and/or cell-based assays. Experience using phage display, yeast display, or in vitro directed evolution is especially relevant.
- Experience conducting original research in cell biology, immunology, target discovery, or therapeutic mechanism of action. Experience in immunology and primary cell culture is especially relevant.
- Use of flow cytometry and cell sorting in the context of immunology or protein engineering.
- Experience with high-throughput automation technologies, such as a Tecan liquid handling robot.

*Visterra provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.*



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For consideration, please submit a cover letter and resume to [careers@visterrainc.com](mailto:careers@visterrainc.com).