

# 1. Principal Scientist, Senior Scientist/Scientist – Autoimmune disease

## Job description:

Levatio Therapeutics is a San Diego based-biotech start-up that develop therapeutic cancer vaccines and immunotherapy for patients with cancers and autoimmune diseases through proprietary circular RNA technology to overcome limitation of mRNA therapeutics. Our mission is to address diseases not accessible through existing technologies, bringing meaningful and breakthrough therapies to solve unmet needs in treating various human diseases. Levatio Therapeutics is financially supported by ST Pharm, the mother company in South Korea.

We are seeking an exceptional researcher to join our team as a Principal scientist, Sr. Scientist or Scientist to evaluate candidate therapies for inflammatory and autoimmune diseases. The ideal candidate is an immunologist with demonstrated experience in inflammatory and autoimmune diseases. The successful candidate will be responsible for developing novel circular RNA therapeutics to treat inflammatory and autoimmune diseases. The ideal candidate has a Ph.D. degree in an immunology-related field with relevant in vitro and in vivo laboratory experience in the pharmaceutical or biotech industry. Substantial expertise with inflammatory and/or autoimmune disease models, immune cell analysis, intravenous dosing, as well as in vivo adoptive cell transfer is highly desirable. They will be able to quickly learn and develop workflows, possess strong oral and written communication capabilities, demonstrate excellent collaboration and interpersonal skills, lead a team from the bench, and be good at solving problems in a fast-paced environment.

The candidate will have direct responsibility for the design and execution of experimental in vivo and ex vivo/in vitro strategies, closely overseeing the generation, analysis, and accurate recording of data in compliance with data integrity requirements, and presentation of findings to peer scientists.

## Key Responsibilities

These may include but are not limited to:

- Support the pre-clinical in vivo translational immunology group effort that utilizes inflammatory and autoimmune disease models for developing novel circular RNA therapeutics
- Lead a team of scientists to develop of circular RNA therapeutics from the bench to preclinical models.
- Expand Levatio's therapeutic pipeline by evaluating circular RNA constructs to express proteins of interest in relevant human and animal cell lines and animal models.
- Develop functional and phenotypic in vitro and in vivo immune assays.
- Independently design, plan, and execute scientific experiments in a fast-paced environment.

- Develop appropriate cell-based assays to support compound screening and MoA studies in in vitro and ex vivo models. (ie. phospho-flow, proliferation assay, cytokine secretion, ELISPOT and cytokine bioassay).
- Generate, interpret, and analyze data with a sense of urgency.
- Effectively communicate experimental plans and data; present to cross-functional R&D teams.
- Maintain an electronic notebook record of performed studies.
- Ability to solve technical problems in a logical and rationale manner.
- Highly collaborative, self-motivated, detail-oriented, project manager able to oversee multiple parallel laboratory activities with effective time management.
- Contribute to a positive work environment with an entrepreneurial and creative culture.

### **Education & Qualifications**

- Passionate, adaptable scientist looking to make an impact in a biotech startup environment.
- PhD in biology, immunology, or related discipline with 2-4 (Scientist), 5-7 (Senior scientist), and 8+ (Principal scientist) years of postgraduate or industry research experience.
- Demonstrated knowledge of inflammatory and autoimmune diseases, including development of relevant in vitro and in vivo preclinical models.
- Model development to support MOA and inflamed tissue microenvironment discovery as well as pharmacology efforts to advance projects as required.
- Extensive hands-on experience with all aspects of running inflammatory and autoimmune diseases animal models.
- Experience working with recombinant DNA technology to produce therapeutic proteins is highly desired.
- Proficiency in immune cell isolation (ie. T, B, NK cell) and functional characterization.
- Experience with immune cell assays is a strong plus. Extensive, hands-on knowledge of cell and molecular biology with demonstrated experience in handling and culture of human and animal whole blood, primary immune cells, and cell lines.
- Familiarity with BSL-2 protocols and best-practices.
- Experience with various inflammatory and autoimmune diseases models to demonstrate mechanisms of action, including disease monitoring, Flowcytometry analysis and RNA endpoints.
- Demonstrated technical expertise in tissue culture, human/mouse immune cell culture and functional assays, multi-color flow cytometry, ELISA, ELISPOT, Luminex Multiplex assays, qPCR, and immunoassay development.
- Some experience with project and team management preferred.
- Excellent organizational skills and a detail-oriented approach to the execution of experiments and record keeping is a requirement.
- Strong interpersonal skills with the ability to interact effectively with peers and management, both internally and externally is required.

**Working Conditions and Physical Requirements**

- 100% on-site work at corporate headquarters in San Diego, CA

The preceding job description indicates the general nature and level of work performed by employees within this classification. Additional and incidental duties related to the primary duties may be required from time to time.

**For consideration send cover letter and resume to: [admin@levatiotherapeutics.com](mailto:admin@levatiotherapeutics.com)**