



700 Main Street
Cambridge, MA 02139
HR@satellite.bio
<https://www.linkedin.com/company/satellite-bio>

SENIOR SCIENTIST – Synthetic Biology

Satellite Biosciences is pioneering the development and implementation of proprietary, off-the-shelf, implantable satellite organs as living therapeutic solutions that can transform the lives of millions of patients who suffer from serious diseases. Building on 25 years of work in award-winning labs at top academic institutions, the platform is supported by a strong IP portfolio and is backed by a top tier syndicate, led by Polaris Partners.

We are seeking an experienced, creative, and motivated **Senior Scientist** to join our rapidly growing team. In this role, you will contribute to the company's platform technology of engineered satellite organs. Specifically, you will be part of our cross-functional R&D team developing new engineered cell lines for implantable grafts.

This role is a unique opportunity to join an early-stage, well-funded Biotech startup. You will initially report directly to the Chief Technology Officer and be responsible for synthetic biology, cell engineering and immunology. This position is full-time with laboratory time being on-site at our facilities located in Cambridge, MA.

Responsibilities:

- Develop, lead, and manage work involving cell engineering and synthetic biology including all stages of design, cloning, and characterization of engineered constructs.
- Create novel human cell lines across various classes of cells for preclinical animal studies.
- Using a variety of methods, modify cell lines to express novel markers.
- Provide immunology expertise for animal studies.
- Mentor and advise research associates in execution of associated laboratory activities.
- Plan, direct, and execute tasks across projects according to project timelines and goals.
- Design, direct, and execute experiments.
- Develop protocols, work instructions, test methods, and draft and review technical reports.
- Play a lead role in regular internal project meetings and data reviews.
- Maintain a clear, detailed documentation of all experiments and findings.

Required Qualifications & Experience:

- PhD in Synthetic Biology, Bioengineering, Immunology or similar field with 2-5 years of experience in an industry setting.
- Experience engineering lymphocytic, endothelial, parenchymal, or stromal cells.
- Demonstrated experience with viral and non-viral delivery methods, multiple gene editing technologies, cell engineering, and cell line generation.
- Expertise with molecular and cellular biology techniques in mammalian systems: molecular cloning, plasmid design and purification, gene assembly, organism engineering, and viral vector engineering, production, and use.
- Experience with techniques such as cell isolation from mixed cultures, in vitro cytotoxicity assays, functional assays using FACS, ELISA, and other methods, and in vivo mouse model experiments.
- Excellent data and statistical analysis skills and experience with a variety of scientific software applications is required.
- Track record of staying up to date with the latest developments in the field.



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- Working knowledge Next-Generation Sequencing (NGS), biostatistics, and/or basic bioinformatics is desirable.
- Experience with high-throughput functional screens and/or inducible switches for control of gene expression is a plus.
- Demonstrated problem solving, experimental design, and scientific writing skills; can document laboratory procedures and experiments with great attention to detail.
- Comfortable in a fast-paced company and able to adjust workload and responsibilities based upon changing priorities
- The successful candidate will be an ambitious self-starter, have a strong work ethic, be able to generate high quality work under tight deadlines, and enjoy working in a fast-paced team environment.

Please submit your resume (.pdf format) to HR@satellite.bio

As an equal opportunity employer, Satellite Biosciences does not discriminate on the basis of race, religion, color, sex, gender identity, sexual orientation, age, non-disqualifying physical or mental disability, national origin or veteran status. We value diversity and are committed to creating an inclusive environment for team members from all backgrounds.