



700 Main Street
Cambridge, MA 02139
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SCIENTIST – Translational Vascular Biology – In Vivo

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 **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 and testing vascularization strategies for our implantable grafts. You will provide **vascular biology** expertise and collaborate on a multi-disciplinary team including tissue engineers, cell, molecular, and synthetic biologists, and in vivo specialists.

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 completing and advising the vascular biology aspects of our in vivo programs. This position is full-time with laboratory time being on-site at our facilities located in Cambridge, MA.

Responsibilities:

- Design and develop vascularization methodologies for implantable grafts.
- Develop and conduct *in vitro* and *in vivo* assays to characterize vascularization.
- Isolate, culture, and characterize vascular cells and their co-culture with parenchymal cells.
- Serve as a vascular biology subject matter expert in animal studies on a cross-disciplinary team.
- Plan, direct, and execute tasks across projects according to project timelines and goals.
- 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 Cell Biology, Vascular Biology, Bioengineering, or similar field, with 3-5 years industry experience
- Experience with angiogenesis, vasculogenesis, or ischemia in developmental, translational, or regenerative medicine contexts
- Working knowledge of various *in vitro*, *in silico*, and *in vivo* techniques for characterization of vasculature
- Thorough understanding of differences between various tissue-specific endothelial cells
- Tissue engineering or regenerative medicine expertise with demonstrated understanding of vasculogenic and angiogenic hydrogels a plus
- Expertise with *in vivo* animal studies including implantation or bypass grafting techniques, and hemodynamic measurements
- Experience with large animal studies a plus
- Excellent data and statistical analysis skills
- Track record of staying up to date with the latest developments in the field.
- Demonstrated problem solving, experimental design, and scientific writing skills; can document laboratory procedures and experiments with great attention to detail.



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- Comfortable in a fast-paced team and able to adjust workload and responsibilities based on 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.