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SCIENTIST – Vascular 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 **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 vascular architectures for our 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 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 fabrication methodologies for implantable grafts.
- Fabricate and conduct *in vitro* and *in vivo* characterization of vascular networks.
- Optimize co-culture of vascular cells with parenchymal cells.
- 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, Bioengineering, or similar field, with 3-5 years industry experience.
- Experience with tissue engineering in the context of angiogenesis, vasculogenesis, or ischemia
- Materials science expertise with demonstrated understanding of vasculogenic and angiogenic hydrogels
- Working knowledge of various *in vitro* and *in silico* techniques for endothelial cell characterization
- Thorough understanding of differences between various tissue-specific endothelial cells
- 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.
- 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.



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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.