



SCIENTIST I, GENE THERAPY

CAMBRIDGE, MA

ABOUT STRM.BIO

STRM.BIO (“storm bio”) is a pre-clinical, VC-backed biotechnology company that is leveraging naturally-derived extracellular vesicles (EVs) to deliver genetherapies in vivo. We believe in a culture where people come first and that personal accountability is key to a healthy organization. We believe that there is both elegance and efficiency in simplicity, and we let this approach drive both our science and our strategy.

STRM.BIO is operating on a hybrid-virtual model. We are driving research in our internal laboratory space while simultaneously leveraging the existing laboratory infrastructure and expertise of our scientific collaborators, contract development and manufacturing organizations (CDMOs), and advisors to focus on what matters--our research. Meetings are mostly virtual, but teams will meet in person to whiteboard strategy, visit partners to advance programs, and celebrate our wins!

We are assembling a team of leaders who share our company values, who believe in the promise of EVs to bring transformative therapies to patients, and who will actively contribute to a culture of continuous learning, innovative discovery, and unyielding commitment to high quality science.

THE TECHNOLOGY

STRM.BIO is creating a proprietary EV platform to deliver gene therapies in vivo and establish a new class of therapeutics. EVs are natural carriers of nucleic acids and proteins and hold tremendous promise as direct cell messengers for gene therapies due to their innate targeting, amenability to large scale/commercial manufacture, and low immunogenicity. At STRM, we are aiming to create new therapies and uniquely enable effective targeting of existing ones to democratize gene therapy. We are just beginning to explore the potential impact of our platform and are looking to recruit team members who can help us bring this larger vision to light.



THE PERSON AND ROLE

The Scientist I position is full-time and will be 100% in-person conducting benchwork. You will work directly with the STRM Associate Director of Research to manage your scientific programs while contributing to strategic laboratory meetings. You should be very comfortable with coordination of multiple pipeline projects, as well as communicating with CRO's as required.

To be successful in this role, you should be someone who is always up for a challenge and finds the unique demands of the fast-paced startup environment motivating. You will need to be adept at managing both projects and CRO's, and be able to do both while espousing the people-first, simplicity-oriented values we hold as core to STRM culture.

KEY RESPONSIBILITIES

- Support the Associate Director of Research in managing, coordinating, and supporting the research efforts across multiple collaborative research programs
- Contribute to, and lead as required, R&D efforts to meet project milestones, maintaining the standards of scientific rigor and adhering to ethical standards
- Maintain standards consistent with company culture and values
- Work closely with team members (internal and external) to maintain project development, implementation and troubleshooting of experiments, and ensure deliverables for both internal research projects and external scientific partnerships
- Generate, analyze, interpret, and share experimental results and ensure that all protocols, reagents, data, and analyses are documented following data integrity principles and prepared and made available in a timely manner
- Attend and present at team meetings to share results, and plan projects and experiments, with a keen eye for achieving company milestones
- Maintain comprehensive and up-to-date knowledge of extracellular vesicle biology, extracellular vesicles as therapeutics, and novel genetic engineering approaches
- Perform other duties as assigned, including all those associated with facilitating the smooth operation of a wet lab environment



QUALIFICATIONS & EXPERIENCE

Required

- PhD and 0-4 years of postdoctoral experience in a relevant discipline with strong foundational knowledge of gene therapy approaches and genetic engineering
- Hands-on experience in *in vitro*, *ex vivo*, and *in vivo* studies determining the efficacy of gene editing/gene therapy including quantification of editing efficiency/gene delivery, and effects on gene and protein expression in modified cells
- Experience in genetic, molecular, and cellular biology techniques, including plasmid construction, qPCR, RT-PCR, western blotting, microscopy, multiplexed flow cytometry, and techniques to assess gene editing efficiency and off-target effects (e.g. NGS)
- Expertise in genome editing technologies, including CRISPR-based methods, base-editing, deletions and knock-ins and gene silencing
- Strong background in working with cellular models of disease, including but not limited to; cell lines, primary murine cells and patient derived cell types
- Ability to balance/prioritize research efforts across multiple programs, meet deadlines, and shift plans in service of a rapidly-changing startup environment
- Proficiency with Microsoft Office suite, with excellent PowerPoint and Excel skills
- Exceptional communication, writing, organizational and time management skills
- Exemplary lab notebook practices, and attention to detail in recordkeeping

Preferred

- Experience in methods for extracellular vesicle isolation, evaluation, and manipulation
- Experience in hematopoietic stem cell biology and hematologic diseases
- Working knowledge of editing techniques (e.g. TALEN and ZFNs) and gene therapy delivery technologies (e.g. viral vectors, LNPs, exosomes)
- Experience in design, synthesis, and evaluation of gene expression cassettes/constructs
- Experience in primary hematopoietic cell culture
- Experience working with collaborators and CROs (CMC's also is ideal)
- Experience with electronic lab notebooks (ELNs)



KEY POSITION DETAILS

- Full-time Position
- Salary and benefits consistent with the competitive market of Boston/Cambridge and commensurate with experience
- In-person benchwork in Boston/Cambridge area and/or at partner headquarters location(s)

To learn more about this position, please submit your resume and cover letter directly to: Dr. Iain Thompson, Associate Director of Research at careers@strm.bio

