



**Dyno Therapeutics is recruiting!**

Contact: [jobs@dynotx.com](mailto:jobs@dynotx.com), Location: Cambridge, MA

Come join our team, and together we'll realize the true potential of gene therapy!

### **Who we are**

Dyno Therapeutics is a Cambridge based, VC-backed biotech startup that uses next-gen DNA technologies and machine learning to engineer Adeno-associated Virus (AAV) capsids for the effective delivery of gene therapies.

### **What we offer you**

As a member of our quickly growing company, you'll help us shape Dyno into a startup that takes its scientific mission seriously and provides a positive and supportive workplace environment. Dyno will have the opportunity to benefit from your insight, skills, and talent while enriching your professional and scientific experience as we grow the company together.

### **Our mission**

At Dyno, we are expanding the boundaries of gene therapy. AAV capsids are currently the vector of choice for gene therapy, but they are only a starting point in the gene therapy revolution. Dyno aims to dramatically extend the reach of gene therapy by overcoming the limitations of existing AAV capsids, allowing more therapies to reach the clinic. Doing so will enable treatment for millions of patients with currently incurable, often disabling and deadly diseases.

### **How?**

Dyno's groundbreaking engineering pipeline harnesses advances in DNA library synthesis, high-throughput sequencing, and machine learning to generate transformative gene therapy vectors. We target the major barriers that separate AAV gene therapy research from real-world therapies, including delivery efficiency, tissue and cell-type specificity, immune evasion, and more. Our vectors will accelerate the transition of gene therapies from the lab to the clinic for the benefit of patients worldwide.

### **Where?**

Dyno is located near Kendall Square in Cambridge. Situated within the dynamic LabCentral community, Dyno is working alongside other startups that are also creating the future of biomedicine.

### **Available position**

[Scientist/Senior Scientist – AAV engineering; Project lead](#)

### **General role**

In coordination with scientific leadership and technical support staff, your role will be to lead AAV capsid engineering projects. This will involve applying the Dyno screening platform to create novel AAV capsids with specifically tailored biological properties. In leading this project, you will be responsible for understanding the needs of our partners. You will then identify and implement strategies for applying

Dyno's platform to improve AAV capsids for these applications. Success in this role will rely on your ability to collaboratively integrate the many disciplines represented within Dyno, from molecular biology to machine learning.

### **Responsibilities**

- Lead a research project focused on creating novel AAV capsids with tailored properties
- Develop and refine the scientific aims, timeline and workflow of this project
- Create and validate project-specific *in vitro* and *in vivo* AAV capsid selection assays
- Design and coordinate the preparation of AAV capsid libraries
- Analyze and interpret the results from each round of screening, with an emphasis towards iteratively improving library design
- Collaborate with a diverse team of wet-lab scientists, protein engineers, and computational scientists
- Assist in lab organization, including ordering supplies and restocking

### **Basic qualifications**

- PhD in biology, biochemistry, biomedical engineering, or a related field
- 5+ years hands-on wet lab experience
- Strong background in DNA cloning, modification, and analysis methods
- Expertise in molecular biology and next-generation sequencing-based approaches (such as bulk or single-cell RNA-Seq, Chip-Seq, whole genome or exome sequencing, etc)
- Established experience in mammalian tissue culture methods (maintenance, passaging, quality control, viral production)
- Skilled in RNA and protein purification and analysis (qPCR, RT-qPCR, Western, etc.)

### **Preferred qualifications**

- 2+ years post PhD experience
- Hands on experience using AAV capsids for gene delivery
- Experience in computational analysis of biological data (preferably next-gen sequencing based) using a general-purpose programming language (such as Python, R or Matlab)
- Mentoring and managing experience

We are an equal opportunity employer and value diversity at our company. We do not discriminate on the basis of race, religion, color, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status.

Applicants please send an email to [jobs@dynotx.com](mailto:jobs@dynotx.com), including a resume and a short self-introduction.