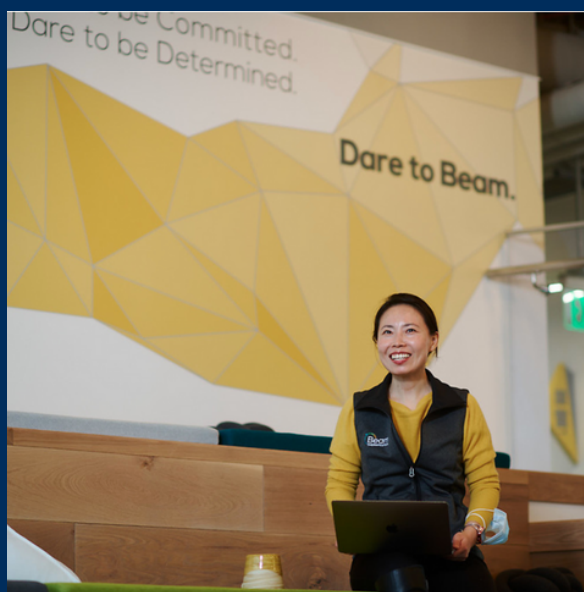




# Beam Therapeutics Fellowship Program

PROGRAM GUIDE AND APPLICATION PROGRAM 2024-2025



# ABOUT BEAM

Beam Therapeutics is a biotechnology company committed to establishing the leading, fully integrated platform for precision genetic medicines. To achieve this vision, Beam has assembled a platform that includes a suite of gene editing and delivery technologies and is in the process of building internal manufacturing capabilities. Beam's suite of gene editing technologies is anchored by base editing, a proprietary technology that is designed to enable precise, predictable and efficient single base changes, at targeted genomic sequences, without making double-stranded breaks in the DNA. This has the potential to enable a wide range of therapeutic editing strategies that Beam is using to advance a diversified portfolio of base editing programs.

Beam is a values-driven organization committed to its people, cutting-edge science, and a vision of providing lifelong cures to patients suffering from serious diseases. The Beam Team is:

- a community of fearless innovators
- rigorous and honest in our research
- listening with open minds
- committed to each other



**"Patients are waiting. They need cures and treatments. We believe we have the team and the technology to help deliver on that."**

John Evans, MBA  
Chief Executive Officer

# OUR PIPELINE

PROGRAM / DISEASE		DELIVERY	EDITING APPROACH	RESEARCH	LEAD OPTIMIZATION	IND ENABLING	PHASE I/II	PIVOTAL
BEAM-101	Sickle Cell Disease Beta Thalassemia	<i>Ex vivo</i> HSCs	Activation of fetal hemoglobin					
ESCAPE	Sickle Cell Disease Beta Thalassemia	<i>Ex vivo</i> HSCs	Multiplex CD117 edit-antibody pair					
BEAM-302	Alpha-1 Antitrypsin Deficiency	<i>In vivo</i> LNP	Correction of E342K mutation					
BEAM-301	Glycogen Storage Disease Ia	<i>In vivo</i> LNP	Correction of R83C mutation					
BEAM-201	T-ALL / T-LL CD7+ AML	<i>Ex vivo</i> T cells	Multiplex silenced CD7 CAR-T					
Complement Pathway (Apellis)		<i>In vivo</i> LNP	Undisclosed					
3 undisclosed targets (Pfizer)		<i>In vivo</i> LNP	Undisclosed					

LNP = Lipid Nanoparticle; HSC = Hematopoietic Stem Cell; T-ALL / T-LL = T-Cell Acute Lymphoblastic Leukemia / T-Cell Lymphoblastic Lymphoma; AML = Acute Myeloid Leukemia; ESCAPE: Engineered Stem Cell Antibody Paired Evasion

## LEAD PROGRAMS

### BEAM-101

**Edit type:** Activation



**Delivery modality:** Electroporation | Ex vivo

**Approach:** Activation of fetal hemoglobin

BEAM-101 is an investigational therapy that produces base edits designed to potentially alleviate the effects of sickle cell disease by mimicking genetic variants seen in individuals who have hereditary persistence of fetal hemoglobin.

### BEAM-201

**Edit type:** Multiplex editing



**Delivery modality:** Electroporation | Ex vivo

**Approach:** Gene silencing

BEAM-201 is a multiplex base edited anti-CD7 CAR-T cell investigational therapy for relapsed and refractory T-cell acute lymphoblastic leukemia and T-cell lymphoblastic lymphoma, a severe disease affecting children and adults.

### BEAM-301

**Edit type:** Gene correction



**Delivery modality:** LNP | In vivo

**Approach:** Correction of R83C mutation

BEAM-301 is a liver-targeting LNP formulation of base editing reagents designed to correct the R83C mutation. R83C is the most common mutation responsible for causing GSD1a.

### BEAM-302

**Edit type:** Gene correction



**Delivery modality:** LNP | In vivo

**Approach:** Correction of the PiZ allele

BEAM-302 is a liver-targeting LNP formulation of base editing reagents designed to correct the PiZ allele, the most common gene variant associated with severe Alpha-1 antitrypsin deficiency.

*A message from*

# BEAM'S LEADERSHIP

Dear Fellowship Candidates,

Beam Therapeutics is excited to kick off our brand-new fellowship program! We are seeking motivated individuals to join us on our journey as we bring our therapeutic programs into the clinic. Here at Beam, our vision is to provide lifelong cures to patients suffering from serious diseases by utilizing our cutting-edge base editing technology.



By attracting the brightest minds and rising stars in scientific and clinical research from all over the country and the world to Beam in this Fellowship program, You can help our company to continue to maintain its cutting-edge and innovative approach to our research and train the next generation of researchers in drug development.

The Beam Team lives by the following values: 1) a community of fearless innovators 2) rigorous and honest in our research 3) listening with open minds 4) committed to each other. Importantly, we put patients at the center of everything we do. If these values resonate with you, come join Beam in our mission to create precision genetic therapeutics that are potentially curative for patients.

**Amy Simon**  
Chief Medical Officer  
Executive Sponsor of the Beam Fellowship Program



# MEET THE TEAM



**Priya Chockalingam, PhD**

**Vice President, Head of Clinical Bioanalytics  
and Translational Sciences**

Priya has a PhD in Biochemistry and currently VP and Head of Clinical Bioanalytics & Translational Sciences at Beam Therapeutics. She manages a function within clinical that works across R&D and holds responsibility for bioanalytical, biomarker and forward & reverse translational strategies followed by implementation for a broad pipeline of clinical programs in hematology, immunology, oncology, and rare genetic diseases that leverage base editing technologies, auto/allo cell therapies and novel delivery modalities like LNP. Prior to Beam, she had worked for 20+ years on Translational Medicine, Bioanalytics, Biomarkers & Diagnostics at Wyeth, Pfizer, Takeda (L-Shire) and Biogen.

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## CURRENT FELLOW



**Ryan Babakhani, PharmD. MS**

**Value and Evidence Strategy Fellow**

The Beam Therapeutics fellowship program has provided me with a very diverse experience across numerous functional areas such as HEOR, clinical development, market access, and medical affairs. It has allowed me to collaborate cross-functionally with various teams within the company (attending clinical development and R&D meetings, participating in advisory board planning) while also investing in my personal development by providing me with resources to attend various training programs and conferences. By combining these functional areas with the diverse therapeutic areas that we are targeting at Beam (hematology, oncology, rare disease), I have gained valuable insight and a rewarding experience across a multitude of distinct areas.

# JOB DESCRIPTIONS

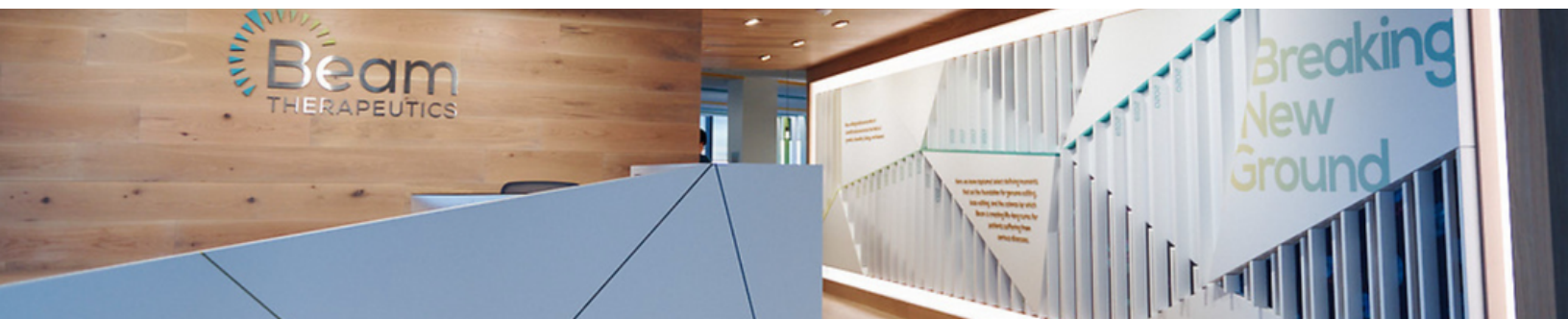
## Clinical Bioanalytics &

### Translational Sciences Fellowship: **ACCEPTING APPLICATIONS**

- The fellowship program focuses on developing the skills required for a clinical biomarker & translational scientist.
- Develop an understanding of disease biology, mechanism of drug action, and bioanalytical & biomarker needs and strategies for various programs.
- Gain expertise in the implementation of clinical pharmacokinetic, pharmacodynamic, biomarker and anti-drug antibody assays using different assay platforms such as MSD, ddPCR, qPCR, Flow cytometry, etc.
- Engage in the evaluation of novel technologies, hands-on development and troubleshooting of assays, data analysis and interpretation.
- Participate in cross-functional team interactions across therapeutic areas. The fellow will present work in group meetings & company wide poster/oral presentations.
- The fellow may have the option to learn some clinical pharmacology aspects of translational sciences; cross functional training may be tailored towards candidate's background and preference.

#### Qualifications:

- PhD in Biology or any biological sciences from an accredited university or equivalent.
- Broad understanding of drug discovery and development with hands-on experience in a variety of biochemical & molecular biology methods.
- Prior experience in Beam's disease areas and/or biomarker discovery is a plus.
- Proficient in Excel, PowerPoint, and data analysis and visualization tools such as GraphPad Prism.
- Experience maintaining a lab notebook and following written protocols with excellent problem-solving skills.
- Motivated and detail oriented with great communication skills, a multitasker, a team-player & a fast learner.



# APPLICATION PROCESS & PROGRAM TIMELINE

**Launch your post-graduate career  
and join the Beam Team now!**

- PhD or other doctoral candidates should apply directly through our Beam Careers page: <https://beamtx.com/jobs/>
- Application Requirements:
  - Curriculum Vitae (CV)
  - Cover letter

After your application is received, select applicants can expect to be contacted for a first-round interview. Following that, applicants may be invited for final round interviews that will include meetings with cross functional team members from across the organization.

**Questions?**

**For more information and to apply:**

**Visit: [www.beamtx.com](http://www.beamtx.com)**

**Email: [careers@beamtx.com](mailto:careers@beamtx.com)**

About

# PROGRAM PAY & BENEFITS



**Our program offers competitive benefits and pay package!**

- Competitive salary
- Sign-on bonus
- 401k w/ employer match
- Educational reimbursement program access
- Health & dental coverage
- Parental leave
- Networking opportunities (Integrated Drug Development sessions, MassBio events)
- Personal development opportunities (e.g. conference attendance, certificate courses)
- Mentorship program



About

## CAMBRIDGE, MA

Cambridge, MA is home to our bio-tech hub, where we constantly innovate and challenge ourselves to break new ground. We are located at: 238 Main Street, Cambridge, MA 02142.



## You Can Visit

- 1 Kendall/MIT MBTA Stop**  
Commuting to Beam doesn't get much easier with the Kendall/MIT MBTA Stop just outside our front door!
- 2 Fenway Park**  
Since 1912, it has been the home of the Boston Red Sox. Head over to Kenmore for a baseball game, Fenway Frank, and the Green Monster!
- 3 Charles River Walkway**  
Picture a gorgeous spring day with local university crew and sailing team's practicing, runners training for the marathon, bikers cruising, picnics on the esplanade... does it get more Boston than that?
- 4 Museum of Science, Boston**  
From engineering workshops to learning about the development of vaccines, the museum offers a wide range of exhibits, live presentations, planetarium shows, and much more!
- 5 Museum of Fine Arts, Boston**  
The MFA first opened its doors to the public in 1876 and now is one of the most comprehensive art museums in the world boasting nearly 500,000 works of art!