



Title: Postdoctoral Fellow

City: Cambridge

State / Province: Massachusetts

Country: United States

At Lilly, we unite caring with discovery to make life better for people around the world. We are a global healthcare leader headquartered in Indianapolis, Indiana. Our 39,000 employees around the world work to discover and bring life-changing medicines to those who need them, improve the understanding and management of disease, and give back to our communities through philanthropy and volunteerism. We give our best effort to our work, and we put people first. We're looking for people who are determined to make life better for people around the world.

Lilly is passionate about the discovery, development and commercialization of potential new medicines that will impact and improve the lives of patients. Our New Therapeutic Modalities team is an innovation-focused group striving to identify, develop and apply the most cutting-edge technologies to deliver maximum benefit to our patients. Our agile and diverse team strives to operate as an autonomous 'biotech-like' company within the walls of Lilly.

We are looking for creative and energetic problem solvers to contribute to a multidisciplinary team at the front edge of innovation. We are building state-of-the art expertise in major oligonucleotide-based modalities and delivery approaches, with an emphasis on innovative strategies with potential for breakthrough efficacy.

In our fast-paced, interdisciplinary team we utilize novel RNA/oligonucleotide based therapeutic modalities to enhance the Lilly portfolio. We work closely with the Neuroscience Next Generation Therapeutics group to support the development of medicines for chronic pain and neurodegenerative disorders.

The successful applicant will utilize their knowledge and technical expertise to drive development of novel approaches for leveraging nucleic acid modalities to treat neurological diseases. Do you have an aptitude for innovative approaches focused on identifying impactful therapies for the patient? We want you on our team!

Key responsibilities

- Develop formulations and administration techniques to support effective delivery of nucleic acids to the CNS
- Design and execute animal studies to discriminate the pharmacokinetic and pharmacodynamic characteristics of said approaches
- Optimize and drive innovation in animal administration techniques
- Collaborate cross-departmentally within Lilly in work that requires expertise and input across the organization
- Present scientific strategy, experimental data, and project updates across the organization
- Develop, validate, and implement characterization techniques / analytical assays as needed to drive project

Basic Qualifications:



- PhD in Biomedical Engineering, Neuroscience, Biology, Chemical Engineering, Pharmaceutical Sciences, or related fields

Additional Skills/Preferences:

- Excellent communication skills and the ability to work in a highly dynamic and collaborative environment
- Experience in nucleic acid structure, function, formulation, and delivery
- Experience in *in vivo* studies, particularly as related to neuroscience
- Experience in pharmacokinetic / pharmacodynamic modelling
- Familiarity with characterization techniques for nucleic acids / nucleic acid formulations
- Familiarity with analytical assays to quantify and evaluate efficacy of nucleic acids

This posting is not permanent. It is for a fixed duration with a maximum time of 3 years.

Please contact samantha_sarett@lilly.com to discuss the position.