

# Research Scientist - In Vitro Pharmacology

Job ID  
REQ-10016396  
Jul 24, 2024  
USA

## Summary

Location: San Diego, CA

About the role:

We are seeking a highly skilled and motivated Research Scientist I to join our dynamic in vitro pharmacology team in San Diego dedicated to advancing gene therapy and siRNA for neurological and neuromuscular diseases. As a key member of our research team, you will play a critical role in supporting various aspects of research including tissue sample processing, biodistribution, biomarker assay development, antibody screening campaigns, as well as oversee lab operation activities. Join us in our mission to transform the treatment landscape for neurological and neuromuscular diseases through cutting-edge gene therapy approaches. Apply now to make a meaningful impact on the lives of patients worldwide!

## About the Role

### Your Key Responsibilities:

- Cross-program molecular biology support, including biodistribution studies, quality control work to validate reagents, vectors, and construct design.
- Conduct tissue sample processing techniques for DNA, RNA, and protein isolation for downstream analysis.
- Execute gene expression analysis utilizing techniques such as RT-ddPCR ELISA assays, RNAseq library preparation, and additional molecular biology work as assigned.
- Support in vitro bioassays development in engineered cell lines, and disease-relevant in vitro systems.
- Provide administrative and operational support for the In Vitro Pharmacology team, including procurement, online database maintenance, and lab management activities.
- Plan, execute, and analyze experiments under supervision while maintaining contemporaneous and detailed documentation of results.
- Manage interactions with vendors.
- Help to maintain and ensure a safe laboratory environment and good laboratory practices.
- Collaborates across a dynamic and cross-functional scientific environment.

## Video Link

<https://www.youtube.com/watch?v=ggbnzRY9z8w>

## Role Requirements:

**Essential Requirements:**

- B.S. in molecular biology, cell biology, biochemistry, bioengineering, or related scientific discipline and 0+ years experience.
- Experience with basic molecular biology techniques, including cloning, DNA/RNA isolation, PCR.
- Experience with basic protein assay methods, including Western blot and ELISA.
- Experience with basic cell biology techniques, including aseptic cell culture, cell counting, cell banking.
- Experience in gene therapy and biodistribution methods a plus.
- Adept at learning new techniques quickly.
- Strong organizational skills and work ethics.

**Desirable Requirements:**

- Prior experience in gene therapy research, particularly in neurological and neuromuscular diseases.
- Demonstrated ability to work in a fast-paced and growing team environment and to prioritize work from multiple projects.
- Must be highly reliable and goal/deadline oriented.
- Hands-on experience with automation and high-throughput screening platforms, a plus.

**Why Novartis:** Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together?  
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Division

Biomedical Research

Business Unit

Pharma Research

Location

USA

Site

San Diego

Company / Legal Entity

U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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