

Post-Doctoral Research Fellow

Center for Translational Medicine

Lab of Dr. Raymond Penn

REQ-0014441

Job Details

PRIMARY FUNCTION:

To use their training in developing and applying Large Language Models and Machine Learning models to contribute to drug discovery approaches related to an NIH-sponsored research project in the lab focused on identifying/developing G protein-coupled receptor-targeting drugs for use in treating obstructive lung diseases. Research experience in basic biology or biochemistry is preferred but not required; a candidate with PhD training in biological science but with good AI competencies will be considered. The candidate is expected to learn new techniques to accomplish the research project.

Job Description

ESSENTIAL FUNCTIONS:

- Collects and assembles data for any type of oral or written presentation.
- Independently develops scientific hypotheses related to ongoing work in the laboratory.
- Independently designs experiments to test hypotheses.
- Independently carries out or delegates procedures for experiments.
- Analyzes results of experiments independently.
- Independently prepares oral and written reports for the P.I. on research to include, but not limited to: coherently and effectively communicating our laboratory research by writing abstracts, manuscripts, grant proposals and data reports for grants and oral presentations with corresponding slide presentation for PI, local and national meetings.
- Performs routine and more difficult procedures, analyzes data and coherently presents results in the form of presentations, abstracts, manuscripts and the basis for grant writing, preparation and submission.
- *Interacts with co-workers, visitors, and other staff consistent with the iSCORE values of Jefferson.*

EDUCATIONAL/TRAINING REQUIREMENTS:

Ph.D., in structural biology and molecular biology

EXPERIENCE REQUIREMENTS:

Previous experience in an academic lab setting preferred.

You can apply to the job by going to our Careers page at;

<https://jeffersonhealth.wd5.myworkdayjobs.com/en-US/ThomasJeffersonExternal>

Then search REQ-0014441