Gene therapies for neurodegenerative diseases – keywords: cell/molecular biology, iPSCs, organoids, gene editing.

A postdoctoral position is immediately available in the Roy lab at UC San Diego (www.roylab.org) to develop new gene-editing based therapeutic strategies for neurodegenerative diseases, with a focus on Parkinson’s disease. This project involves working extensively with human iPSCs/organoids, primary mouse neurons, and mouse models, to develop state-of-the-art gene-editing therapeutics that could be the basis of clinical trials in the near future. Knowledge of cell/molecular biology and biochemistry is required, and experience with iPSCs is desirable but not necessary. Experience in advanced light microscopy, live imaging, and primary neuronal cultures is also desirable. The Roy lab is situated within the neuroscience space in BRF-2 – in the heart of UCSD campus – and the project will involve active collaboration with the Gage lab at the Salk Institute.

Requirements: The candidate must be motivated to pursue biomedical research and able to solve problems independently. S/he should have a doctorate degree in cell/molecular biology or a relevant area with at least one major publication as first-author. The candidate must be able to work collegially with others, have good communication skills, and is expected to hold themselves to the highest ethical standards.

Salary: NIH standard based upon experience.

To apply, please send CV and names/contact information of three references to sroy@ucsd.edu.