

# POSTDOCTORAL FELLOW - Experimental Neuropathology

## POSITION DESCRIPTION

We seek applications for a postdoctoral fellowship position in the Fields' Experimental Neuropathology Laboratory in the Department of Psychiatry at the University of California, San Diego (<http://psychiatry.ucsd.edu/Pages/default.aspx>) to conduct translational research using cellular and animal models and antemortem and postmortem human brain specimens. We seek a highly motivated individual to join our multidisciplinary team in the Fields' Lab, led by Dr. Jerel Adam Fields. This is a highly collaborative laboratory working in association with the renowned UCSD HIV-Neurobehavioral Research Program and the Center for Medicinal Cannabis Research among other research programs and institutions around the San Diego area. Our research is focused on understanding and developing therapies for neurodegenerative diseases. We are particularly interested in how alterations in mitochondrial function and chronic inflammation interact in the neurodegenerative process. Our work includes examining postmortem brain specimens from humans and animal models to identify neuropathological signatures associated with disease. We use in vitro models to dissect neuropathogenic mechanisms and test therapeutic strategies in neurons, astrocytes, and microglia. Ultimately, the goal of our work is to identify therapeutic targets and treatments that will improve clinical outcomes for people suffering from neurological disorders.

A motivated and qualified postdoctoral fellow is sought to contribute to all aspects of the research process including designing and executing experiments, analysis of molecular, biochemical, and neuropathological data and correlations with clinical data, authoring of published articles, grant writing, and the mentoring and supervision of students and research assistants. Applicants must have: (a) a doctoral degree in virology, cell biology, molecular biology, neuroscience, or a related field by the start date; (b) high competence with cell culture, gene expression, data analysis, and troubleshooting (c) a strong potential for a career in biomedical research. Attention to detail, strong quantitative skills, and the ability to work in team-based environment are of top importance.

This position comes with full benefits through the University of California, San Diego. Salary is based on NIH postdoc pay scales (<https://www.nhlbi.nih.gov/research/funding/general/nrsa-fund-guide>). The initial appointment is for one year, with the opportunity of renewal for additional years. Review of candidates will start immediately, and will continue until the position is filled. The position is available immediately and applicants must be willing to live in San Diego CA, or the surrounding area.

Required Qualifications: Doctorate degree or its equivalent.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to gender, race, color, religion, sex, national origin, disability, age or protected veterans status.

## APPLICATION REQUIREMENTS

To apply for the position please send an email to Dr. Jerel A. Fields ([jafiels@health.ucsd.edu](mailto:jafiels@health.ucsd.edu)), with a current CV, a letter of interest with the expected date of availability, and the names and contact information for at least three references. Informal inquiry and questions are welcome via email.

### Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter
- Statement of Research

### Reference requirements

- 3 required (contact information only)