
Postdoctoral Position ASU-Banner Neurodegenerative Disease Research Center

The laboratory of Dr. David Brafman, part of the ASU-Banner Biodesign Neurodegenerative Research Center, and School of Biological and Health Systems at ASU, is seeking highly motivated applicants for a position as the Swette Postdoctoral Fellow in ALS Research. The [Brafman Lab](#) utilizes an interdisciplinary approach that employs human pluripotent stem cells (hPSCs) as a model system in conjunction with various aspects of developmental biology, genetic engineering, and bioinformatics to address basic and translational questions related to neurodevelopment and neurodegenerative disease. The Swette Postdoctoral Fellow will use a combination of hPSC-based disease models and next generation gene editing technologies to investigate various risk factors that contribute to ALS onset and progression. Candidates must have strong organization and interpersonal skills be a self-starter, and have a PhD in bioengineering, stem cell biology, neuroscience, or a related discipline. Experience with pluripotent stem cell culture, CRISPR-based gene editing, and bioinformatics is a plus. Interested applicants should submit a cover letter describing their research experience and career goals, their CV, and names and email addresses of at least three professional references. This position is supported, in part, with a generous gift from the estate of Mr. Glen Swette, who passed away after a courageous battle with ALS. Mr. Swette was a passionate advocate for ALS and addiction research. As such, in their cover letter, applicants should briefly address how they will honor Mr. Swette's legacy through ALS research.

Details:

This position is for a recently funded project with our clinical partners in Banner Neurodegenerative Disease Research Center. The project is focused on conducting independent research as directed by the principle investigator, Dr. Brafman. Activities will include routine maintenance and differentiation of pluripotent stem cells, genome engineering, and bioinformatics analysis. Organizing and presenting data as part of routine meetings, conferences, or scientific manuscripts. The selected individual will also assist with grant preparation and reporting.

Working Environment:

- Standard Lab Environment

Necessary qualifications:

- PhD in bioengineering, bioinformatics, developmental biology, neuroscience, or related discipline.

Desired qualifications:

- Track record of publications in top-tier journals.
- Experience with pluripotent stem cell culture, gene editing, and neurodegenerative disease modeling.
- Excellent communication and presentation skills.

Arizona State University (ASU):

ASU is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

Please send applications, including resume/CV and contact information from three references, via email to Dr. David Brafman at David.Brafman@asu.edu .