

## Postdoctoral Researcher in AD and FTD Research (Omics and Organoids)

### Position Description:

We - the Molecular Pathology Unit (MPU) at Center for Alzheimer's Disease and Related Dementias ([CARD](#)) - are on the lookout for a dedicated, innovative, and highly motivated postdoctoral researcher to pioneer spatial and single-cell omics techniques in conjunction with iPSC-derived organoid culture. Our research is centered on exploring the intricacies of neuronal vulnerability and the toxicity of non-neuronal cells in TDP-43 proteinopathies, which encompass Alzheimer's disease and Frontotemporal Dementia. At the core of our investigations lie human postmortem brain samples and brain organoids, aimed at achieving a profound understanding of the dynamic interplay among various cell types and the influence of genetic and environmental factors on the progression of these debilitating diseases.

The postdoctoral researcher will collaborate with other labs within and outside the NIH as well as with the CARD expert groups including the Single cell sequencing, Automated Cell culture and Advanced analytics expert groups.

### Candidate Qualifications:

We invite applications from individuals with expertise in neurobiology, neuropathology, cell biology, and molecular biology. The ideal candidate should hold a PhD or MD/PhD and preferentially previous experience with human samples, iPSCs culture and/or bioinformatics.

### Inclusion and Diversity:

Diversity is our strength, and we encourage candidates from diverse backgrounds to apply. We are committed to fostering an inclusive and equitable research environment.

### What We Offer:

- **Collaborative Environment:** Join a dynamic team of researchers, and embark on a collective journey to advance our understanding of neurodegenerative diseases
- **Cutting-Edge Technologies:** Access state-of-the-art technologies and resources to support your research endeavors
- **Supportive Work Environment:** Enjoy a friendly, collaborative atmosphere that aligns with your research ambitions and offers a well-structured budget to facilitate your work

### To Apply:

Submit the following documents to Elise Marsan at [elise.marsan@nih.gov](mailto:elise.marsan@nih.gov):

- CV or NIH Biosketch
- Brief Statement of research interest & career plan
- Contact information for three references

Applications welcomed until the position is filled.

### Position Location:

Molecular Pathology Unit (MPU) at the Center for Alzheimer's Disease and Related Dementias (CARD)  
National Institute of Health (NIH) | National Institute on Aging (NIA), Intramural Research Program (IRP), Main Campus – Bethesda

### [NIH Benefits and Pay](#)

**Disclaimer:** The NIH is dedicated to building a diverse community in its training and employment programs. Diversity Statement: The NIH is an equal opportunity employer, and applicants from all backgrounds, including minorities and women, are strongly encouraged to apply.