

Postgraduate Position in Neuroimmunology/Pathology (Mandel-Brehm Lab)

Mission. The Caleigh Mandel-Brehm lab is seeking to fill multiple positions for study of the root causes of autoimmune encephalitis (AE), a high risk, poorly understood class of human disorders of the central nervous system (CNS). Over the past few years, through use of newly developed molecular technologies, Caleigh and her collaborators have opened the field to understanding several forms of autoimmune diseases of the nervous system (<https://www.facebook.com/watch/?v=716716562084366>), as well additional disorders that await our investigation. Beyond a better understanding of these specific diseases, our studies deepen fundamental knowledge of the intersection between the nervous and immune systems. For example, why certain regions of the CNS are preferentially vulnerable to attack by the immune system, are at the core of our research program. Additionally, we are exploring unexpected triggers of autoimmune neurological disorders, such as viral and bacterial infections. These approaches capitalize on the mentor's formal training in neuroscience and established collaborations with clinicians and clinician-scientists. Interested applicants please send a brief statement of interest and curriculum vitae with contact information for three references to Dr. Caleigh Mandel-Brehm caleigh.mandel-brehm@yale.edu. Feel free to reach out by email before applying to zoom and learn more.

Training and Mentoring. This is an exciting opportunity in a newly established lab in the Yale School of Medicine. There are multiple ongoing and emerging translational research and basic research projects for interested individuals. All projects have in common the potential for discovery of disease mechanisms and development of therapeutics, through training in cutting edge approaches that range from programmable phage display and mass spectrometry, to molecular cloning and sequencing and generation of mouse models. Additionally, those with bioinformatics or machine learning backgrounds have an additional opportunity to discover novel disease footprints in immune profiling datasets that remain largely unexplored. Career development is a high priority for the PI. Beyond training in research, mentoring through scientific writing, review of scientific journal articles, and seminar presentations both at Yale and relevant scientific meetings, will provide visibility and preparation for a career in academia or industry.

Education:

Students with either Bachelor or Master degrees are encouraged to apply. The ideal candidate would be highly motivated, have an interest in neuroimmunology and an eagerness to learn.

Additional details:

The potential start date is in June 2024. However, some flexibility is possible. This is a one-year position with the opportunity to extend additional years.

Yale University is an Affirmative Action / Equal Opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans, and underrepresented minorities.