

Robert E. Chason Endowed Chair in Translational Research, MIND Institute

The MIND Institute at the University of California, Davis, School of Medicine, is recruiting for a full-time faculty member in the Regular, In-Residence or Regular/In-Residence series at the Associate/Full Professor rank in the field of translational research in neurodevelopmental disabilities. Faculty in this series are expected to engage in teaching, independent research and creative work, demonstrate professional competence and activity, and provide University and public service.

EXPECTATIONS

The successful candidate will have a strong interest in neuroscience with demonstrated ability to garner external funding. Understanding that the term translational autism research holds many meanings, we provide examples of areas of study that candidates may be engaged in, although this list is not necessarily exhaustive:

- Induced pluripotent stem cells (iPSCs) research that helps clarify basic biology, the existence of phenotypic differences, and/or treatment strategies for autism and other neurodevelopmental conditions.
- Clinical and basic cognitive neuroscience using novel neuroimaging or other techniques, and sophisticated data analytic methods or computational approaches to help reveal how brain circuits process information through development. Such studies might offer leads for biomarker development, early diagnosis and treatment, clarification of the link between brain functioning and symptoms, better understanding of how interventions work, and that generally promote precision medicine approaches that help autistic persons and individuals with other neurodevelopmental disorders.
- Behavioral neuroscience that utilizes animal models that incorporate genetic or environmental constructs, to promote the understanding of behavioral and biological phenotypes, and to identify biomarkers and molecular mechanisms that may underlie them, with the goal of improving the precision of pharmacological interventions and other treatments for autism and other neurodevelopmental disorders.
- Genetics and genomics research that clarifies molecular contributions to autism and other neurodevelopmental conditions and phenotypes to identify relevant pathways and druggable targets that more precisely map to autism biology, leading to advances in drug development for autistic persons and individuals with other neurodevelopmental disorders.
- Other efforts to understand the factors at the genetic, molecular, and cellular systems level that contribute to the development of the autism phenotype and those of other neurodevelopmental conditions through different phases of the lifespan with the goal of improving the lives of individuals with these phenotypes.

For the full position description and to apply, visit <https://apptrkr.com/4222782>. This position will remain open until filled through June 30, 2023. Qualified applicants should upload a cover letter, Curriculum vitae, Statement of Teaching Accomplishments and Philosophy, Statement of Research, Authorization to

Release Information, Statement of Contributions to Diversity, and contact information for 3-5 professional references.