



Duke University Center for Human Disease Modeling Job Posting – Postdoctoral Associate

Job Description: There are immediate Postdoctoral Associate training opportunities available within the Center for Human Disease Modeling (CHDM). Dr. Nicholas Katsanis (Director) along with faculty members Erica Davis, I-Chun Tsai and Weibin Zhou are inviting applications from candidates who will be considered for a wide range of interdisciplinary projects funded by NIH. Our Center offers a unique, project-based atmosphere that is highly collaborative in a shared-resource setting. The ideal candidates will be accomplished, highly motivated, and creative scientists with interests in at least one of the three following areas: 1) understanding the architecture of human genetic disease; 2) investigating the mechanisms underlying disease processes and pathomechanism; and 3) identification of novel therapeutic paradigms for inherited disorders. Candidates will have the opportunity to work with unique patient cohorts; cell-based, zebrafish and/or mouse models; and cutting-edge molecular and imaging technologies in a state-of-the-art facility.

Research topics can be chosen based on the interests and background of the individual candidate. Positions will be offered with a renewable one-year appointment with the expectation of at least a three-year term. Potential projects include, but are not limited to the following research themes:

- Genetic and functional investigation of rare structural birth defects
- Functional study of novel candidate genes that cause gonadotropin releasing hormone (GnRH) abnormalities
- Cis complementation and phenotype modifier phenomena in ciliopathies
- Dissection of copy number variants in neuroanatomical traits
- Mechanistic study of inherited kidney disorders affecting renal structure or function
- Investigation of novel genes underlying treatment-resistant schizophrenia
- Therapeutic target discovery in rare pediatric disorders

Candidates will be mentored by at least one CHDM faculty member.

Position Requirements: Ideal candidates will have a recent PhD in the life sciences (less than 2 years of postdoctoral experience is strongly preferred), or who anticipate completion of their degree prior to starting the position. Previous experience in genetics; cell, molecular, or computational biology; botany; zoology or other directly related scientific fields are desirable but not required. Qualifying competencies include strong verbal and written English skills, excellent organizational skills, self-motivation, and creativity.

How to Apply: To be considered for the position, candidates must apply through Academic Jobs Online; <https://academicjobsonline.org/ajo/jobs/9782>. In addition, candidates should upload a single PDF document that includes a cover letter, curriculum vitae, and the names and contact information for three professional references to chdmjobs@duke.edu. The subject line of the e-mail should read as follows: Postdoctoral Associate – last name, first name. Please be sure the application materials demonstrate how you meet the qualifications for this position. Reviewing will begin immediately. Employment of the successful candidate will be contingent upon the successful completion of Duke's employment process.

Duke University is an Affirmative Action/Equal Opportunity Employer committed to providing employee opportunity without regard to an individual's age, color, disability, genetic information, gender, gender identity, national origin, race, religion, sexual orientation, or veteran status.