

Research Scientist/Engineer 2.

The Division of Medical Genetics is seeking a highly motivated Research Scientist 2 with an interest in developmental and degenerative neurogenetic disorders. Our lab group studies both single gene and complex disorders. The work involves discovery of disease-causing genes/variants, and functional analyses in various biological models, including cell lines, transgenic mice, and induced pluripotent stem cells (iPCS). The applicant should be a motivated, highly organized individual interested in learning/applying novel skills and techniques in this fast-moving field. The Research Scientist is expected to work independently and collaboratively with a highly interactive group including the PI, faculty colleagues, research personnel and postdoctoral fellows.

The successful candidate must be able to design, carry out, analyze, trouble shoot, and interpret experiments with minimal oversight. A Bachelor's degree in biological science or related field and at least 3 years of experience is required; a higher -level degree would be an asset.

In addition to basic lab procedures of DNA and RNA extraction from blood and tissues, PCR-based and next-generation sequence analysis and real-time PCR, DNA cloning and mutagenesis, cell culture, transfection and gene expression analysis, and western blot analyses, experience with light and fluorescence microscopy, mouse models, and tissue fixation, sectioning, and immunostaining is required. We are looking for a person whose expertise extends to specialized procedures such as perfusion, tissue harvesting and stereotaxic surgery in mice, brain slice culture, CRISPR-Cas9 mutagenesis, iPSC generation and differentiation, transcript profiling and proteomics, and confocal microscopy. Strong computer skills including spreadsheets and database entry are also desired.

Interested persons should contact the Raskind lab via email (wendyrun@uw.edu or cdhui@uw.edu)