A postdoctoral position is available in the Lawson Lab at the University of Massachusetts Medical School to establish zebrafish models for vascular malformations. This project is focused on modeling the R183Q mutation in the G-protein, GNAQ, which is causative for Sturge-Weber syndrome (SWS). This work is part of a collaborative effort with Dr. Joyce Bischoff at Boston Children's Hospital and provides the opportunity to work in a multidisciplinary team focused on identifying developmental mechanisms of SWS progression and logical therapeutic targets. The project in the Lawson Lab will focus on establishing GNAQ R183Q knock-in zebrafish followed by detailed cellular and molecular characterization of the resulting phenotypes. Follow-up studies will include application of small molecule screening to identify therapeutic leads using the zebrafish model.

The ideal candidate must have experience in molecular biology as documented through their publication record. Prior expertise in the application of genome editing is welcome and experience with model organisms is preferred. Applicants must otherwise be highly motivated and technically accomplished as documented by exceptional publication record.

Please send or email CV and reprints of relevant publications to the contact information below. Applicants accepted for initial consideration will be subsequently contacted for letters of reference.

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