Postdoctoral Associate
Boston, MA

We are currently looking for a collaborative, self-motivated Postdoctoral Associate to work in the laboratory of Dr. Elizabeth Engle at Boston Children’s Hospital (BCH) in the Longwood Medical and Academic Area campus in Boston, MA. The Engle lab has demonstrated that cranial motor neurons provide a powerful model system for the study of neuronal development and connectivity. The lab identifies human congenital disorders of eye and facial movement, defines their genetic etiologies, and uncovers molecular pathways and disease mechanisms. This informs determinants of motor neuron identity and the targeting of their axons during normal and abnormal development. More information can be found on our website: http://kirbyneuro.org/EngleLab/

The Postdoctoral Associate will have the opportunity to define disease mechanisms underlying human disorders of cytoskeletal development and function through the study of novel mouse models harboring mutations in tubulin- and kinesin-encoding genes. This is an excellent opportunity for someone with an interest in neuroscience, neurodevelopment, and/or cell biology who wishes to investigate fundamental developmental processes and their impact on human health while working with other passionate scientists in a collegial, project-driven laboratory.

The Engle lab believes that a diverse, inclusive, and collaborative team is essential for the success of their research program, and Dr. Engle is an experienced mentor dedicated to helping her trainees cultivate professional development skills and success in their independent scientific careers. In addition to professional development opportunities within the lab and exposure to a breadth of scientific disciplines, the Postdoctoral Associate will be able to take advantage of the vibrant scientific communities of BCH, Harvard Medical School and its affiliated hospitals, and the Broad Institute of MIT and Harvard.

Preferred Qualifications

Education
A Ph.D. and/or M.D. is required. Ph.D. students in the final year of their thesis work are eligible to apply. Specific degree areas include developmental neuroscience and cell biology (with a strong focus on the cytoskeleton).

Experience
We are looking for candidates with experience managing an independent research project to completion and publication. Experience with a variety of biochemistry and molecular biology techniques is strongly preferred.

To be considered for the neurodevelopment track:
- Experience working with mice as a genetic model organism is required, and experience managing a mouse colony is strongly preferred.
- Experience analyzing embryonic mouse neurodevelopment is strongly preferred.

To be considered for the cell biology/cytoskeleton track:
- Experience working with microtubules and/or microtubule motors is required.
- Experience with in vitro assays is required.

Skills and Abilities
- Ability to learn quickly and to work both independently and within a team.
- Ability to work effectively with a wide variety of people from all backgrounds and at all levels of training.
- Excellent oral and written communication skills.
- High level of professionalism and excellent interpersonal skills.
- Positive attitude with a problem-solving, resilient mindset.

Application Instructions
Please include the following items as part of your application (preferably as one PDF):
1. A cover letter including a summary of your research experience, your research interests, and your interest in this particular role.
2. Your curriculum vitae including list of publications.
3. Name and contact information for three references.

To apply, please visit HHMI’s careers page: https://hhmi.wd1.myworkdayjobs.com/en-US/External/job/Boston-Childrens-Hospital/Postdoctoral-Associate---Engle-Lab_R-481