The Research Group "**Neuronal Translational Control**" (Head: **Dr. Kent Duncan**) in the **Center for Molecular Neurobiology Hamburg** (ZMNH) invites applications for a

PhD Student Position

The group is focused on understanding how translational control by RNA-binding proteins contributes to organismal biology in health and disease, with emphasis on the nervous system. We combine reverse genetic, biochemical, and functional genomic approaches in classic genetic model organisms: flies and mice (for example: Schleich et al., Nature. 14 Aug 14;512(7513):208-12). The offered position is part of a disease-focused mouse project, whose long-term goal is to understand molecular mechanisms driving initiation and progression of the neurodegenerative disease Amyotrophic Lateral Sclerosis (ALS). This project is a collaboration with the Institute for Neuroimmunology and Multiple Sclerosis (INIMS; Director: Prof. Manuel Friese). ZMNH offers excellent research infrastructure and working conditions in a dynamic and international research environment located in beautiful, cosmopolitan Hamburg, Germany. Close proximity to the main campus of University Medical Centre Hamburg-Eppendorf provides excellent opportunities for patient-oriented basic research. An initial contract will be offered for 2 years, with the possibility for extension. The working languages of the lab and ZMNH are English.

Job description: You will be expected to independently organize and conduct basic research in molecular neurobiology. Your primary experimental responsibility will be to address molecular mechanisms of neurodegeneration in mouse disease models. For this purpose you will use functional genomic approaches, neurobiological methods (e.g. tissue staining of mouse brain and spinal cord) and methods to analyze translational control (e.g. polyribosome profiling and reporter assays). You will be expected to work closely with bioinformaticians and senior neurobiology researchers working on related projects in the Friese group. Through regular joint progress reports, you will integrate your results with theirs and the broader scientific literature. You will also prepare data for publication and present your results at both internal and international scientific meetings.

Your profile: We are looking for highly motivated and well-organized candidates who intend to pursue research science as a career and have a Master degree/Diploma in biological sciences or medicine. Significant prior laboratory experience in neurobiology, genetics, cellular and/or molecular biology techniques is expected. Expertise in neuroscience techniques and experience with transgenic mouse models of disease is strongly preferred. Prior experience in generating and analyzing genome-wide datasets would be advantageous. Ability to interact effectively with other researchers, particularly bioinformaticians, in a team environment is essential. Candidates with demonstrated ability in this regard will be preferred.

Contact person: Dr. Kent Duncan: kent.duncan@zmnh.uni-hamburg.de.

The University Hospital Hamburg-Eppendorf offers equal opportunities, independent of age, sex, sexual identity, handicaps, country of origin or religion; UKE has therefore signed the Charter of Diversity. In addition we support gender equality.

We are looking forward to receive your application, **Kzf.: 2014-09/279** via E-Mail to: bewerbung@uke.de (max. 2 MB in one pdf-file) or post to the Universitätsklinikum Hamburg-Eppendorf, GB Personal, Recht & Organisation, Recruitment, Martinistr. 52, 20246 Hamburg, Germany. **Deadline for applications: Oktober 13th, 2014.**