3-year Postdoctoral Research Position in Copenhagen: Decoding the Genetic Basis of Human Pigmentation

We are looking for a postdoctoral researcher to perform laboratory-based experiments with transgenic zebrafish and cell lines. Experience with cell culture based systems and analysis of NGS (next generation sequencing) data is preferable but not a requirement.

Using human albinism as a model, we are identifying genes important for the melanocyte gene regulatory network. Families with albinism is the basis for the genetic studies; initial targeted NGS analysis followed by whole exome- or whole genome sequencing in mutation negative families is used for the identification of candidate genes. Candidate genes will be characterized by in vivo and in vitro studies.

The project is a collaboration between Kennedy Center, Department of Clinical Genetics, Rigshospitalet, Copenhagen (www.kennedy.dk) and Department of Cellular and Molecular Medicine, University of Copenhagen (www.icmm.ku.dk).

The candidate must have:

- A relevant educational background (i.e. MSc in biology, biochemistry or similar)
- A PhD degree
- Experience with Zebrafish (e.g. morpholino and CRISPR/Cas9 studies. Design of experiments and laboratory-based work).

The candidate might have experience with (not mandatory):

- Light microscopy and in situ hybridization
- Cell-culture based experiments
- Genetics and NGS data analysis
- Melanocyte culturing
- Pigmentation genes

The position is available from May 1st, 2020. The deadline for applications is 23.02.2020 23.59 (CET).

If you have questions regarding the position please contact Dr. Karen Grønskov, Klinisk Genetisk Klinik, Rigshospitalet, +45 29204856 (email Karen.Groenskov@regionh.dk) or prof. Lars Allan Larsen, Department of Cellular and Molecular Medicine, University of Copenhagen +45 28485047 (larsal@sund.ku.dk).

Follow the link below for more details and online application:

https://candidate.hr-manager.net/ApplicationInit.aspx?cid=342&ProjectId=222747&DepartmentId=21880&MediaId=5&SkipAdvertisement=False