



Postdoctoral Fellow Position in Bioinformatics (Oncology & Non-coding RNA)

Job Description

Postdoctoral Associate position (Bioinformatics) is available to study the role of non-coding RNAs in cancer (long noncoding RNA, microRNAs, Circular RNA, and Super Enhancers) in our laboratory at the Johns Hopkins University All Children Hospital Campus USA. Several putative oncogenic and tumor suppressor non-coding RNAs been identified (Lee et al Science Advances 2017 3(5): e1602505, Mazar et al Mol. Cell. Biol. 2016, Wei et al., JID 2016) and will characterize these through *in-vitro* and *in-vivo* functional and analytical genomics and single cell sequencing assays to connect them to cancer metabolism and epigenome. The post-doctoral candidate will work on sequence analysis for detection of lncRNA-DNA triple helices, lncRNA-protein interaction, lncRNA epigenetic gene regulation and single cell sequencing.

Required Experience:

Applicant should hold a Ph.D. in Bioinformatics or Computer Science. Experience in the analysis of biological sequences and regulatory genomics is required. The candidate should have solid programming skills (C, Python and/or R) and acquaintance with Unix/Linux. Experience with high performance computing is a plus. The position is a full time position to be filled as soon as possible.

Perera laboratory will be a part of the Center for RNA Biology in the new research institute at the Johns Hopkins All Children's Hospital in St. Petersburg, Florida, which is known for its pleasant weather, low cost of living and beautiful beaches. This position is open until a suitable candidate is identified. Salary and fringe benefits will be very compliant with guidelines established by the Johns Hopkins University School of Medicine. Interested candidates, please send CV and relevant publications to Dr. Ranjan J. Perera at jperera2@jhmi.edu