1. An NIH funded Postdoctoral Research Fellow position is immediately available in the department of Molecular and Human Genetics, Baylor College of Medicine. This research program studies the circadian gene regulation in heart failure. The scope includes transcriptional regulation through core clock factors as well as post-transcriptional regulation such as alternative splicing. We use diverse experimental approaches including genomics/epigenomics, molecular biology, cell biology and mouse models.

Baylor College of Medicine
DEPARTMENT OF MOLECULAR & HUMAN GENETICS

Requires:
-PhD in Molecular Biology, Genetics, Cell Biology, or related fields.
-A strong interest in the genomics/epigenomics of cardiovascular disease.
-Expertise in molecular biology.
-Basic handling of mice.
-Additional experience in bioinformatics is highly appreciated.

The ideal candidate will be a highly self-motivated recent graduate and have a track record of publications (first-authored publications in respected journals). Senior post-doc with relevant experience will also be considered.

2. An entry level Research Assistant position is available in the department of Molecular and Human Genetics, Baylor College of Medicine. This research program studies genetic and epigenetic gene regulation in heart failure and inherited cardiomyopathy. A combination of mouse model and human induced pluripotent stem cell approach is used.

Requires:
-BS or MS in biology or related fields.
-Experience in mouse colony management and lab management.
-Additional experiences in molecular biology or cell culture are highly appreciated.

The ideal candidate will be a highly self-motivated recent graduate.

Reference:

1. Li L, Li H, Tien CL, Jain MK, **Zhang L**. Kruppel-Like Factor 15 Regulates the Circadian Susceptibility to Ischemia Reperfusion Injury in the Heart. 2020 Apr 27; 141:1427–1429. *Circulation.*
2. **Zhang L*,** Zhang R, Tien CL, Chan RE, Sugi K, Fu C, Griffin AC, Shen Y, Burris TP, Liao X, Jain MK*. REV-ERB α Ameliorates Heart Failure Through Transcription Repression. 2017 Sep 7;2(17). pii: 95177. doi: 10.1172/jci.insight.95177. *JCI Insight*. (* co-corresponding authors)

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