Postdoctoral Research Associates

The Bazzini lab at the Stowers Institute for Medical Research (http://www.stowers.org/) has two openings for postdoctoral researchers to address fundamental questions in biology related to how genes are regulated and how that regulation controls vertebrate development.

The lab is particularly interested in unraveling: how translation can affect mRNA stability (codon optimality); how mRNA translation is regulated during development by molecular factors such Long Non-coding RNAs, microRNAs and RNA binding proteins (Bazzini et al, Science, 2012); and identifying the biological role of small translated ORFs in vertebrates (Bazzini et al, EMBO, 2014).

Candidates will be using zebrafish embryos and human cells, performing genome-wide gene expression analyses at mRNA (RNA-sequencing) and translational levels (ribosome profiling). CRISPR-Cas9 system will be intensively used for genome editing as well as multiple molecular biology techniques.

One of the positions will demand stronger knowledge of computational biology, including command of UNIX and R or other programming languages. Experience in handling large-scale sequence data would be ideal. Candidates should be interested in gene regulatory networks, evolution or genomics.

The other position will require a strong molecular biology background. Experience in high-throughput screening or data analysis (UNIX, R) is desirable but not a requirement. Candidates should be interested in RNA biology, gene discovery function or development.

Candidates MUST have the ability to work in a team-oriented environment.

To apply, please submit a cover letter (less than a page) that includes a short summary of interests, a CV (3 pages max) and the contact information of 3 professional references to Dr. Ariel Bazzini ariel.bazzini@yale.edu

Applications will be reviewed until positions are filled. The positions are available from October 1, 2016

About the Stowers Institute for Medical Research

The Stowers Institute for Medical Research in Kansas City, Missouri* is a non-profit, basic biomedical research organization dedicated to improving human health by studying the fundamental processes of life. Jim Stowers, founder of American Century Investments, and his wife, Virginia, opened the Institute in 2000. Since then, the Institute has spent over 900 million dollars in pursuit of its mission.

Currently, the Institute is home to almost 550 researchers and support personnel; over 20 independent research programs; and more than a dozen technology-development and core facilities. Kansas City is an emerging metropolitan city in the Midwest with a high quality of living and affordability.

*Visit https://www.visitkc.com for information about living and working in Kansas City.