

JOB POSTING

Postdoctoral Scientist-human iPSCs/cardiovascular development (The Zhao Lab, Center for Cardiovascular Research)

We are seeking TWO (2) Post-Doctoral Scientists

TWO (2) NIH-funded postdoctoral scientist positions are immediately available in Dr. Mingtao Zhao's laboratory in the Center for Cardiovascular Research at the Nationwide Children's Hospital and The Ohio State University in Columbus, Ohio. The Zhao lab is using patient-derived induced pluripotent stem cells, CRISPR/Cas9 genome editing, and functional genomics (single-cell genomics) to study the molecular and genetic mechanisms of cardiovascular development and congenital heart disease (PNAS 2017, PMID: 29203658; Circ Res 2017, PMID: 29030344; Stem Cells 2020, PMID: 32232889, Front Cell Dev Biol 2021, PMID: 33585486). The goal of the Zhao lab is to elucidate the cause-consequence relationship of a given genetic variant in regulatory elements (such as enhancers) in the contribution of cardiovascular disease using patient-derived iPSCs that retain all genetic information of the affected patients.

This is a great opportunity for young investigators who aim to establish an independent academic career in the next few years. Successful candidates should have a PhD/MD or equivalent degree (< 3 years after graduation) and should have solid expertise in cardiac physiology/cardiac development, and/or stem cell biology. Candidates who have additional expertise in bioinformatics or CRISPR/Cas9 genome editing or tissue engineering would be preferred.

The Center for Cardiovascular Research currently has a NIH-funded T32 postdoctoral program to provide interdisciplinary, translational, and state-of-the-art research training in congenital and acquired heart disease, partnered with The Ohio State University College of Medicine. The Abigail Wexner Research Institute is one of the largest pediatric research centers and consistently ranked among the top 10 for NIH funding among free-standing children's hospitals in the United States. In addition, Nationwide Children's Hospital has been consistently ranked on the US News & World Report's "America's Best Children's Hospitals Honor Roll".

Potential candidates should send their CV (with publication list) and Cover Letter describing future research vision to

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