

Post-doctoral Fellow, Cardiovascular Biology

Posting Number: 000043

Position Number: 371

Position Type: Scientific

Classification: Ongoing

Status: Full-Time

Department: Cardiovascular Biology - Lee

Job Summary/Basic Function

The Lee laboratory at the Cardiovascular Biology Research Program (CVB) of the Oklahoma Medical Research Foundation (OMRF) is seeking a Postdoctoral Fellow who will lead projects to investigate the molecular processes regulating NAD⁺-dependent pathways in metabolic disorders and cardiac diseases. NAD⁺ is pivotal in cellular metabolism and signaling, and cardiac disease pathogenesis. The successful candidate will use genetic and pharmacologic approaches to manipulate NAD⁺ balance, and to evaluate changes in metabolism, cell signaling, cardiac functions in vitro and in vivo.

Candidates must be self-motivated, proactive and enthusiastic to their career development.

Candidates will be supported by the Postdoctoral Training Program at OMRF (<https://omrf.org/about-omrf/education-outreach/postdoctoral-programs>), by the CVB and under the mentorship of the Principal Investigator (PI). A personalized Individual Development Plan will be reviewed with the PI annually to ensure on track for the career goals. Candidates must be able to work independently and contribute intellectually to facilitate a stimulating environment within the research group and research programs at OMRF.

Essential Responsibilities:

1. Actively pursue research under the supervision of PI while developing skills for independent work
2. Organize, analyze, and summarize scientific literature
3. Formulate research questions, design and conduct experiments, and organize and analyze data
4. Communicate scientific data through manuscript writing and presentations
5. Prepare research proposals

Minimum Qualifications

Successful candidates should have a recent PhD, MD, or MD/PhD degree (within 0-3 years or expect to receive the degree within a year) in physiology, biochemistry or related biomedical disciplines.

First-authored publication(s) in their graduate work is required. Prior research experience in mouse models, cardiac physiology, metabolic diseases, proteomics and/or cell biology will be a plus.

Minimum Degree Required: Doctorate

Physical Demands

Regularly required to stand, use manual dexterity, talk or hear; Frequently required to walk and reach with hands and arms; occasionally sit; frequently lift and/or move up to 50 pounds; vision abilities include close vision, color vision, depth perception and ability to adjust focus. Potential exposure to fumes, airborne particles, or rodent dander. May work with toxic, caustic chemicals, radioactive materials, liquid nitrogen, human tissue or blood. Potential risk of electrical shock. Occasional exposure to cold 4C, and/or extreme cold -80C from freezers. Noise level is usually moderate.

Special Instructions Summary

To apply, visit <http://apptrkr.com/1376783>

Interested candidates should apply at the OMRF portal and send an application package with the following information by email to Dr. Chi Fung Lee (ChiFung-Lee@omrf.org) for discussion:

1. Cover letter indicating research interests,
2. Expected start date,
3. Curriculum Vitae,
4. Summary of previous research experience (2 pages),
5. Names and contact information for 3 references