POSITION SUMMARY:
Cardiovascular research lab in the Department of Cellular Biology and Anatomy at LSU Health Shreveport is seeking a highly motivated postdoctoral scholar. The successful candidate will join a NIH-funded project (PI, Dr. David Krzywanski) to investigate the role of nicotinamide adenine dinucleotide redox couples and mitochondrial ROS in the development of atherosclerosis. The project involves, but is not limited to studying mitochondrial metabolism, endothelial cell function, mitochondrial and cellular redox balance, and assessment of indexes of atherosclerosis. The project utilizes cultured cells, mouse models, and recombinant adeno-associated viruses. Having recent lab experience, basic molecular biology skills and experience in handling of rodents are required. The job involves designing and conducting research projects, presenting at national/international conferences, and writing manuscripts. The PI will closely work with the successful candidate for training in all of these aspects, and the candidate will be encouraged to apply for independent postdoctoral fellowship grants. Salary will adhere to NIH salary guidelines.

DUTIES:
• Independent project design with the goal of manuscript preparation via data generation, analysis, interpretation. Designs and performs experiments. Will keep appropriate experimental records and documentation and analyze the results with the PI.
• Collaborate with other scientists to advance team goals.
• Participate in grant writing and manuscript preparation
• Operates and maintains equipment
• Assist with other research-related tasks as needed
• Work towards advancing your own career goals
• Must be able to manage numerous research studies simultaneously

QUALIFICATIONS:
Minimum Qualifications:
• Minimum qualifications include a doctoral degree from an accredited institution in biology, biochemistry, molecular biology, physiology or a related discipline and training within a selected area of specialization.
• Strong/recent basic research lab experience in molecular and cellular biology, biochemistry, and animal physiology.

Preferred Qualifications:
• Proven extensive experience of working with rodents.
• Strong publication record.
• A background in vascular physiology and/or redox biology is highly preferred but not required.

Required skills, abilities/competencies needed to perform this job successfully:
• Solid analytical skills and attention to detail.
• Excellent verbal and written communication skills.
• Proficiency with common laboratory equipment and techniques required.
• Ability to multi-task and prioritize work assignments.
• Motivation to develop an independent research project, in addition to the assigned projects.

Send inquiries containing a cover letter, CV with list of publications and contact information for three references to David Krzywanski, PhD; Department of Cellular Biology and Anatomy; LSU Health Shreveport at david.krzywanski@lsuhs.edu.

LSU Health Shreveport is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.