Postdoctoral Fellow Opportunity - Developmental Vascular Biology, Medical College Of Wisconsin

Postdoctoral Fellow Opportunity  
Developmental Vascular Biology  
Medical College Of Wisconsin, DEPARTMENT OF PEDIATRICS

POSITION PURPOSE  
To independently perform studies that advance the goals of the principal investigator's research projects in identifying targets for vascular related diseases.

ESSENTIAL DUTIES  
Design and execute complex research procedures associated with small molecule discovery. Identify targets for drug discovery and develop, perform routine and complex protocols to identify small molecules that bind to these targets in an agonist or antagonist manner. Coordinate research study activities; lead and manage projects that relates to Dusp-5/small molecule project. Assist in developing patent applications for the small molecule or collection of molecules that targets Dusp-5. Participate in meetings with PI as it relates to leading the small molecule through the patenting process and final licensing. Participates in monthly meetings with computational biologists, organic chemists and synthetic chemists to help generate analogs for Dusp-5. Collaborate with principle investigators in determining study design and performing statistical analyses on all the results generated on small molecule targeting Dusp-5. Perform and develop routine and complex computational and database methods for identifying proteins that might participate in Dusp-5 signaling network in endothelial cells. Develop new methodologies for projects related to drug discovery such as high throughput assays to assess analogs of small molecules that target Dusp-5. Maintain supplies, may negotiate with vendors, and track purchase orders as it relates to the project. Participate in Developmental Vascular Biology meetings with principle investigator and research staff and evaluate/interpret the validity of data. May oversee the work of laboratory personnel including training and development as well as daily work direction/delegation/prioritizing. Assist in training of students, residents and fellows.

QUALIFICATIONS  
PhD in a scientific field. Knowledge of scientific approach and methodologies with respect to zebrafish developmental biology. Interest in translating basic science discoveries to clinic. Ability to develop and follow research methodology and protocol. Knowledge of current technological developments/trends including hands-on experience with standard molecular biology and tissue culture techniques. Ability to read, understand, follow and enforce safety procedures. Ability to design, organize, and coordinates scientific research projects.

HOW TO APPLY:  
Please visit the Medical College of Wisconsin’s Career Website: www.mcw.edu and apply for requisition #20000909 (Position #350.27020)