

## **Function and Regulation of Drug-Metabolism Enzymes**

A postdoctoral research position is available in the laboratory of Dr. Xinxin Ding for studies on the function and regulation of drug-metabolism enzymes. The candidate can potentially work in one or more of the following areas: 1) To generate and characterize novel P450 transgenic and knockout mouse models; 2) To determine in vivo functions of mouse and human P450 genes in drug metabolism, adverse drug reactions, and chemical carcinogenesis; 3) To study epigenetic regulation of human P450 genes in cultured cells and transgenic mouse models; and 4) Functional characterization of genetic polymorphisms in drug-metabolism genes. One of our long-term goals is to identify genetic as well as environmental factors that predispose human subpopulations to adverse drug reactions or other forms of chemical toxicity, including carcinogenesis. We are particularly interested in candidates with demonstrated experience in working with mouse models. A strong background in at least one of the following areas is desirable: drug metabolism, analytical chemistry, pharmacokinetics, pharmacogenetics, genomics, biotechnology, gene regulation, and epigenetics. For a list of recent publications, please see <http://www.wadsworth.org/resnres/bios/dingxx.htm>

Applications, including names and email address of at least three references, should be sent to:

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