

# Cancer Pharmacology Research

We are seeking an individual to engage in preclinical research in the area of natural product drug discovery. Research activities include the use of small molecules to probe cancer cell signaling and the pharmacology of novel anticancer agents inspired by marine natural products. Duties include elucidation of the mechanism of action of novel marine natural products, drug-target analysis, and evaluation of investigational therapeutics as part of ongoing collaborative projects in the laboratory.

## Position Duties

### **65% - Research**

Conduct scientific research in a pharmacology laboratory to define the in vitro and in vivo relevance and biochemical mechanisms of drug candidates. Design, conduct, and interpret preclinical efficacy studies in mouse models to establish drug leads. Draw conclusions from data and work in conjunction with other members of the research team.

### **15% - Lab Operations**

Maintain instrumentation and reagents and contribute to maintaining safe and effective operation of the Ishmael laboratory. Provide guidance to others and adhere to all University standards regarding biomedical research.

### **20% - Publications and Writing**

Assist in the generation of manuscripts, annual reports, protocols and documents required for research compliance. Maintain a laboratory notebook and other records of research activity.

## Minimum or Required Qualifications

Ph.D. in Pharmacology, Molecular Biology, Cell Biology, Biochemistry or related discipline. Experience with mammalian cell culture, mouse xenograft models of cancer, data acquisition and interpretation, demonstrated proficiency with oral and written scientific presentations and an ability to work independently. Postdoctoral experience of 0-3 years.

This position is designated as a critical or security-sensitive position; therefore, the incumbent must successfully complete a criminal history check and be determined to be position qualified as per OSU Standard 576-055-0000 et seq. Incumbents are required to self-report convictions and those in youth programs may have additional criminal history checks every 24 months.

OSU Graduate School Posting

## Preferred Qualifications

Experience designing experiments and collecting data, drug target analysis, and prior experience in cancer research, including orthotopic breast tumor models and cellular imaging techniques.

Demonstrable commitment to promoting and enhancing diversity.

Please send resumes and inquires to [jane.ishmael@oregonstate.edu](mailto:jane.ishmael@oregonstate.edu)