

# Research Assistant Position

## Job Summary

A research assistant position is available in a dynamic research laboratory in the Department of Radiology at Michigan Medicine of the University of Michigan. This person will be responsible for all aspects of animal research including animal procedures, imaging, and management of three different lines of genetically-engineered mice. Our laboratory is led by Dr. Stefanie Galban, and is surrounded by a rich research environment at the Center for Molecular Imaging (CMI) and the Rogel Cancer Center. The mission of the group involves establishing and developing mouse models of various malignancies recapitulating human disease to develop novel therapies, including gene therapy and imaging technologies. Our goal is to address new and challenging problems in cancer and develop novel therapies. Ongoing projects include investigating the mechanisms of molecularly targeted and immune-based therapies utilizing imaging in cell culture and mouse models, in particular the lethal pediatric brain tumor 'Diffuse Intrinsic Pontine Glioma' (DIPG) and the use of gemcitabine (GEM) in non-small cell lung cancer. These studies are performed in a highly collaborative research environment with leading experts in oncology and imaging, as well as industrial partners. Our team seeks an individual to join efforts in accomplishing these goals and expand the successes of the group. A commitment of 2 years or more to the lab is recommended.

## Responsibilities

This person will be responsible for all aspects of animal research, including animal procedures, imaging, and management of three different lines of genetically-engineered mice. This person will perform survival surgeries and procedures in mice, including tumor implantation and resection, placement of optical windows for imaging studies, intracardiac and intravenous injections, and femoral artery injections to produce bone metastases. He/she will be responsible for maintaining cell lines needed for animal studies.

## Required Qualifications

Excellent written and oral communication skills are required for success in our collaborative research environment. The applicant must be ambitious, talented, and self-motivated with an interest in leveraging our research interests, as this position emphasizes the ability to learn new concepts and skills quickly. A flexible schedule is also required to accommodate times for animal imaging and varying treatment schedules. The candidate needs the desire and motivation to apply and translate research from cells to animal models using in vivo imaging techniques, and he/she must work well in a team of multidisciplinary researchers.

## Desired Qualifications

Applicants with experience in animal handling and lab research are highly desired. Students currently studying Biology, Molecular, Cellular, and Developmental Biology are preferred.

To apply to this position please supply the following material to Dr. Stefanie Galbán (sgalban@med.umich.edu) with "Research Assistant" in the subject line. Material should include: 1) cover letter and 2) CV. Review of applications will begin immediately and will continue until the position is filled.