Postdoctoral Research Fellow

Job Summary

A post-doctoral position is available in a dynamic research laboratory and involves establishing and developing mouse models of various malignancies recapitulating human disease to develop novel therapies, including gene therapy and imaging technologies. Our laboratory is surrounded by a rich research environment at the center for molecular imaging (CMI). We are investigating the mechanisms of molecularly targeted therapies utilizing imaging in cell culture and mouse models. The research will involve molecular and cell biology procedures, gene editing techniques, protein analysis, DNA and RNA-sequencing, fluorescence and bioluminescence imaging, and multi-modality imaging studies in mouse models of various cancer. The candidate is expected to design and perform experiments to accomplish these goals, critically analyze data, and take primary responsibility for writing and publishing results in scientific journals. The post-doctoral researcher will be expected to coordinate research efforts with researchers in other scientific disciplines. The candidate must be open to a flexible schedule to accommodate times for animal imaging and varying treatment schedules. Members of the Galban laboratory work in a highly collaborative research environment with leading experts in oncology and imaging. Our goal is to motivate and train postdoctoral fellows across disciples to address new and challenging problems in cancer and develop novel therapies.

Responsibilties:

- 75%- Molecular and cell biology procedures and cell-based assays
- 25%-Bioluminescence and fluorescence animal imaging experiments

Required Qualifications

Highly motivated and enthusiastic individual with a MD/PhD or PhD background in cell and molecular biology, signal transduction, CRISPR gene editing, RNA seq. and with a record of research excellence as demonstrated by peer-reviewed publications and scientific productivity. 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 multidiscipinary researchers. The candidate must have excellent organizational and communications skills in English and competence in word processing and spreadsheet software.

To apply to this position please supply the following material to Dr. Stefanie Galbán (sgalban@med.umich.edu) with “Postdoctoral Research Fellow" in the subject line. Material should include: 1) cover letter 2) CV, 3) a two-page statement of previous research experience and of future research interest in the Galbán lab, 4) a reprint of two representative publications and 5) at least three references including contact information. Reference letters will be requested only for highly qualified candidates. Review of applications will begin immediately and will continue until the position is filled.