



Two Research Assistant Positions Available in Joan Brugge Lab

Job Description

The Brugge lab has a long-standing interest in studying breast cancer using innovative techniques, with the ultimate goal to help improve treatment strategies for patients. We are looking for two highly motivated and intellectually curious research assistants to join our team. The research assistants will be working on projects that investigate the mechanisms of breast cancer initiation and progression. There are opportunities to learn advanced techniques involving genetically engineered mouse models, organoid culture systems, primary patient samples, as well as regular and high-throughput immunofluorescence. Each research assistant will be directly supervised and mentored by a postdoctoral fellow. Former technicians in the lab have co-authored high-impact publications and successfully moved on to MD and/or PhD programs as well as industry positions.

Position #1 responsibilities	Position #2 responsibilities
Mouse husbandry, genotyping, tumorigenesis experiments, dissection;	Mouse husbandry, genotyping, tumorigenesis experiments, dissection;
Immunofluorescence staining of tissues, microscopy, image analysis;	Cell and organoid cultures derived from mouse models and human samples;
High-throughput cyclic immunofluorescence (CyCIF) and antibody validation;	Cell and tissue immunofluorescence/ immunohistochemistry staining, microscopy, image analysis, flow cytometry and FACS;
Molecular biology, e.g. cloning, gene expression and knockdown, qRT-PCR, western blots;	Molecular biology, e.g. cloning, gene expression and knockdown, qRT-PCR, western blots;
Maintain accurate and detailed records;	Maintain accurate and detailed records;
Contribute to general lab tasks.	Contribute to general lab tasks.

Skills Required

- College degree or equivalent work experience in biological sciences or related field.
- Minimum 1 year experience working in a lab strongly preferred.
- Experience in the following is preferred: mouse handling, cell culture, microscopy.
- Highly motivated, good work ethic, and able to work independently and as a team.
- Follow protocols with attention to detail.
- Produce accurate and high-quality work.
- Think creatively to solve problems.
- Excellent skills in communication, organization, and time management.
- A minimum 2-year commitment is preferred, dependent on work performance and funding.

Special Working Conditions

May have to lift or move heavy lab equipment. Required to work with hazardous materials under approved safety protocols and to handle animals.

EEO Statement

We are an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, sex, gender identity, sexual orientation, religion, creed, national origin, ancestry, age, protected veteran status, disability, genetic information, military service or other protected status.

To Apply

Email the following to Nomeda_Girnius@hms.harvard.edu and Carman_Li@hms.harvard.edu:

- Cover letter (state if you are interested in both positions or have a preference for one of the two)
- CV
- List of referee(s) (if available)