

POSTDOCTORAL FELLOW POSITION – CANCER BIOLOGY

Position Description:

A post-doctoral fellow position is immediately available in Dr. Karen Bussard's laboratory within the Department of Cancer Biology at Thomas Jefferson University, Sidney Kimmel Cancer Center, located in downtown Philadelphia. Dr. Bussard is looking for a highly motivated post-doctoral fellow interested in cancer metastasis to the bone and the tumor microenvironment. The laboratory utilizes murine models of metastasis, human patient samples, primary cell culture, molecular biology techniques, high-end fluorescence microscopy, biomedical engineering, and 3-D models to answer questions related to molecular and cellular aspects of bone metastatic breast cancer.

Recent work in the laboratory has identified a subpopulation of osteoblasts in the bone-tumor microenvironment that play a role in tumor progression. We are interested both in how this osteoblast subpopulation affects metastatic breast cancer cells as well as how these cells interact with the surrounding bone stroma during disease progression.

<https://research.jefferson.edu/labs/researcher/bussard-laboratory.html>

*Note: this is a grant funded position (Department of Defense).

Requirements:

Candidates must have a Ph.D. in cancer biology, cell biology, molecular biology, or a closely related field. Candidates should also have authored at least one first author publication (either published or in revision) in reputable journals. Candidates will be working with cell-based models of cancer and murine models of cancer metastasis. Must be proficient in mouse handling/ experimentation, models of cancer, and performing molecular biology techniques including cloning/ plasmid manipulation, transfection, knock-in/knock-out experiments, real-time PCR, RT-PCR, immunoblotting, ELISA, microarray analysis, IHC/IF, standard cell culture, and fluorescence & confocal microscopy. Experience with 3D models of cell culture, exosomes, and/or a bioengineering background are also desirable.

Candidates should have excellent oral and written communication skills, highly developed interpersonal skills, and display initiative as well as independence.

Interested individuals must be authorized to work in the United States and should submit their CV (with publications as appropriate), a letter of interest, and the names and contact information of three (3) references to www.jefferson.edu/hr and reference job ID# 9246357

