

## **Post-Doctoral Fellow - Staff Scientist –Molecular & Cellular Immunologist/Reproductive Biologist**

BCM Department: Pathology & Immunology

Subsection: Center for Drug Discovery

Salary Range: Per NIH NRSA Guidelines, CDD Staff Scientist guidelines

Employment Duration: Full-time

**Description** Baylor College of Medicine is part of the world-renowned Texas Medical Center located in Houston, Texas, which offers a highly interactive environment and a strong infrastructure for research and career development. We are seeking highly skilled and motivated scientists with expertise in cell and molecular biology, biochemistry, immunology experience with macrophage and NK cells, to join the Center for Drug Discovery in a focused research effort on diseases impacting endometrial biology in the Department of Pathology & Immunology at Baylor College of Medicine. Using established cell systems, primary human tissues, 3-dimensional organoids, and high resolution microscopy, our group aims to uncover the biological mechanisms that underpin inflammatory diseases of endometriosis and adenomyosis. Our central vision is to improve the therapeutic options for endometrial-related diseases by developing a multidisciplinary team including academic and industrial drug discovery experts. The team, led by scientists with reproductive, genetics, biochemistry and drug discovery experience in academia and the pharmaceutical/biotech industry, is looking to recruit a highly motivated, skilled and career-oriented biochemist, molecular biologist, or geneticist. As a member of this multidisciplinary team, you will:

- Develop and characterize cellular models of kinase inhibitor profiles in endometrial cells and immune-derived cells.
- Use standard 2-D and state-of-the-art 3D endometrial organoid cultures for the study of kinase inhibitor therapeutics on endometrial and immune cell interactions.
- Participate in early stage drug discovery in collaboration with scientists within the academic community, with a goal of bringing new treatments to patients with unmet medical needs.
- Contribute to multidisciplinary teams by engaging in the following state-of-the art activities: production, purification, and/or testing of recombinant proteins; evaluation of compounds for efficacy in vitro (biochemical and cell-based assays) and in vivo; validation of targets using mouse genetics; and/or generation of DNA vectors.

### **Qualifications:**

- PhD in immunology, reproductive biology, biochemistry, molecular biology, or a related discipline.
- Published evidence of experience with the following immune cells: macrophage, NK cells, T-cells;
- Laboratory skills with molecular biology and genomics data collection, analysis, interpretation
- Experience with immune cells obtained from mouse models (naïve or mouse knockouts).
- A strong track record with excellent interpersonal skills and ability to work in a team environment.

**Applicants should submit their CV and names of 3 references to Dr. Stephen Palmer at [Stephen.Palmer2@bcm.edu](mailto:Stephen.Palmer2@bcm.edu)**