Openings for students, postdocs and research assistants in Cancer Bioengineering
Tumor Microenvironment Engineering Laboratory
University of Pittsburgh, Department of Bioengineering and UPMC Cancer Center

Research areas

We employ a quantitative approach that integrates microfluidics, systems biology modeling, and in vivo experiments to investigate the role of the tumor microenvironment on breast and ovarian cancer growth, metastasis and drug resistance. Our group has projects in three main areas:

1. Drug-resistant microenvironments in breast cancer: modeling cellular dynamics
2. Metastatic dissemination in ovarian cancer: macrophages and fluid flow
3. Localized drug release technologies and single-cell functional assays

The Tumor Microenvironment Engineering laboratory offers the opportunity to work at the forefront of cancer bioengineering, learn cutting edge techniques and collaborate with an interdisciplinary group of scientists and clinicians in the Cancer Center.

Openings

Graduate students: There are 2 openings for graduate students starting in the Fall of 2019 (Application deadline: December 1st 2018). Please apply to the Bioengineering Department and specify interest in working with Professor Zervantonakis.

Postdoctoral fellows: Applicants should hold a PhD in bioengineering, biomedical sciences or related fields. Openings are available for computational and/or experimental projects starting August 2019.

Technicians: Applicants should hold a BS in biomedical sciences and have experience in cellular biology, and/or in vivo mouse models. Openings are available starting August 2019.

Please visit the website (www.zervalab.com) to find out more about each position, as well as research projects, publications, mentoring and collaborations. Interested applicants please submit a cover letter and CV to:

Ioannis Zervantonakis, Ph.D.
Assistant Professor, Department of Bioengineering
Email: ioz1@pitt.edu

The Department of Bioengineering is strongly committed to a diverse academic environment and places high priority on attracting female and underrepresented minority candidates. We strongly encourage candidates from these groups to apply for the position. The University of Pittsburgh is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status.