Grand Rounds
Tuesday, January 18 at 12pm via Zoom

"Single-cell Analysis of Myeloid Cell Functional Diversity in the Melanoma Tumor Microenvironment"

Kathryn Miller-Jensen, PhD
Associate Professor, Biomedical Engineering

Needs: Myeloid cells are an important emerging target for cancer immunotherapy, however extensive heterogeneity across cells complicates therapeutic targeting. Objectives: Discuss ongoing efforts to use systems biology analysis of single-cell data to define functionally relevant myeloid subsets in the tumor microenvironment to enable more effective targeting by cancer immunotherapy.

"Endometrial Cancer: Translational Evidence of a Metabolic Disease"

Clare Flannery, MD
Associate Professor, Obstetrics, Gynecology, and Reproductive Sciences (Reproductive Endocrinology) and of Internal Medicine (Endocrinology)

Needs: The effect of obesity and diabetes on reproductive pathology, specifically cancer and infertility is still not fully understood and more research is needed. Objectives: Discuss endometrial tissue and in vitro based experiments and mouse models. Understand whether high levels of insulin plays a role in endometrial adenocarcinoma development.