CAMB 701: The Tumor Microenvironment
Directors: Celeste Simon, PhD and Todd Ridky, MD, PhD
TA: Hunter Reavis

Syllabus Spring 2022
Tuesdays 3:30-5:30 pm
901 BRB II/III

Reminder: each week students that are not presenting on a given day will submit two questions they would like to discuss concerning impact/novelty/implications and/or questions about the papers to Celeste, Todd, and Hunter, the day of class.

Class Schedule:
- Students present background (30-40 minutes).
- 10-minute break.
- Students present key data in paper (45-50 minutes).
- Feedback from Celeste and Todd to presenters only (10 minutes).

Class 1: (1/18/2022). Organizational meeting; intro to Immunology, Tumor Microenvironment etc. (Hunter)


Class 6: (2/22/22) Inflammation and Tumor Progression (Celeste) Liudahl et al. “Leukocyte Heterogeneity in Pancreatic Ductal Adenocarcinoma: Phenotypic and Spatial Features Associated with Clinical Outcome” Cancer Discovery (2021)

Class 7: (3/1/22) Mock Study Section (Celeste)

Spring Break: March 7-11, 2022

Class 8: (3/15/22) Systemic Factors and Tumor Progression (Hunter, Celeste, Todd) Monje et al. “Roadmap for the Emerging Field of Cancer Neuroscience” Cell (2020)

Zhang et al. “Macropinocytosis in Cancer-Associated Fibroblasts Is Dependent on CaMKK2/ARHGEF2 Signaling and Functions to Support Tumor and Stromal Cell Fitness” *Cancer Discovery* (2021)


Lam et al. “Microbiota triggers STING-type I IFN-dependent monocyte reprogramming of the tumor microenvironment” *Cell* (2021)


Stella Stasso “Lymphangiogenesis-inducing vaccines elicit potent and long-lasting T cell immunity against melanomas” *Science Advances* (2021)

Ma et al. “Sustained androgen receptor signaling is a determinant of melanoma cell growth potential and tumorigenesis” *J. Exp. Med* (2020)

Aguirre-Portoles et al. “ZIP9 is a druggable determinant of Sex Differences in Melanoma” *Cancer Research* (2021)


Mock Study Section: each student submits a one page Specific Aims on an assigned paper from class. Each student will be assigned as the primary reviewer of someone else’s aims page to present that day.