TME SYLLABUS
FALL 2019
Tuesdays 2-4 pm
BRB 1201

9/3/19-12/17/19

Drs. Puré and Ryeom will be present at every class except where noted on Syllabus.

REMINDER: Each week the students not presenting will each submit a point they want to discuss about impact/novelty/implications and/or questions they have about the data to Ellen and Sandra the night before class.

9/3/19: Organizational meeting
9/10/19: Intro to immunology (Puré)
9/17/19: Intro to matrix and stromal cells (Puré and Ryeom)
9/24/19: Intro to ECs (Ryeom)

BLOCK I: TUMOR INITIATION and the TME

10/1/19 “Myeloid Cell-Derived Reactive Oxygen Species Induce Epithelial Mutagenesis”. Canli et al, Cancer Cell 2017 32: 869
10/8/19 “GLI1-expressing mesenchymal cells form the essential Wnt-secreting niche for colon stem cells”. Degirmenci et al, Nature 558: 449 (Konrad Basler lab)


BLOCK II: SUPPRESSION OF TUMORIGENESIS by the TME


Block III: TME REGULATION OF TUMOR PROGRESSION and METASTASIS

11/5/19 (PURÉ only) “Neutrophils escort circulating tumour cells to enable cell cycle progression”. Szczerska BM, et al. Nature 2019; 566:553 (Aceto lab)

8/23/19


“Transdifferentiation of glioblastoma cells into vascular endothelial cells”, Soda Y et al. PNAS 2011; 108:4274. (Verma lab)

11/26/19 NO CLASS THANKSGIVING WEEK

**BLOCK IV: THERAPY, THERAPEUTIC RESISTANCE and the TME**


“Dual angiopoietin-2 and VEGFA inhibition elicits antitumor immunity that is enhanced by PD-1 checkpoint blockade”. Schmittnaegel, M. et al. Sci Transl Med. 2017;9: (de Palma lab)

**STUDY SECTION**

12/17/18 Mock Study Section (2-3 hours over food and beer)