TME OUTLINE FALL 2018
THURSDAYS 1-3pm
BRB either 1101 or 1201
September 6, 2018- December 20, 2018

9/6/18: Intro to immunology (PURE: BRB 1101)
9/13/18: Intro to stromal and ECs (RYEOM: BRB 1201)

TUMOR INITIATION and the TME


9/27/18 (Pure, Weeraratna: BRB 1101) GLI1-expressing mesenchymal cells form the essential Wnt-secreting niche for colon stem cells. Degirmenci et al, Nature 558: 449 (Konrad Basler lab)


SUPPRESSION OF TUMORIGENESIS by the TME

10/11/18 (Pure, Ryeom: BRB 1201) The systemic response to surgery triggers the outgrowth of distant immune-controlled tumors in mouse models of dormancy” Sci Transl Med 2018 Krall et al, (Bob Weinberg lab)


TME REGULATION OF TUMOR PROGRESSION and METASTASIS


THERAPY, THERAPEUTIC RESISTANCE and the TME


12/6/18 (Pure, Ryeom: BRB 1201) “Enzymatic targeting of the stroma ablates physical barriers to treatment of pancreatic ductal adenocarcinoma”. Provenzano PP et al., Cancer Cell 2012 21:418 (Sunil Hingorani lab)

12/13/18 (Pure, Ryeom: BRB 1101) “Inhibition of the Glycolytic Activator PFKFB3 in Endothelium Induces Tumor Vessel Normalization, Impairs Metastasis, and Improves Chemotherapy” Cantelmo et al., Cancer Cell. 2016 30:968. (Peter Carmeliet lab)

12/20/18 (Pure, Ryeom: BRB 701) Mock Study Section (3 hours over food and beer)