Cancer Immunology @ BI

**COLD TUMOR**
- invisible to the immune system with few to no tumor antigens and T-cells
- TREATMENT MODALITIES TO TURN ‘COLD’ TUMORS ‘HOT’:
  - Cancer Vaccines
  - Oncolytic Viruses
  - T-Cell Engagers
  - Innate Immune Activators
  - Myeloid Cell Immune Modulators

**HOT TUMOR**
- highly visible to the immune system with high numbers of tumor antigens and T-cells
- CHECKPOINTS
  - PD-1
  - CD73
  - LAG3
- MICROENVIRONMENT IMMUNE SUPPRESSORS
  - T-cells
  - regulatory T-cells
  - macrophages

**CANCER IMMUNITY CYCLE**
- RELEASE
- PRESENTATION
- PRIMING
- ACTIVATION
- RECOGNITION
- INFILTRATION
- TRAFFICKING
- T-cell killing
- dendritic cell
- lymph node