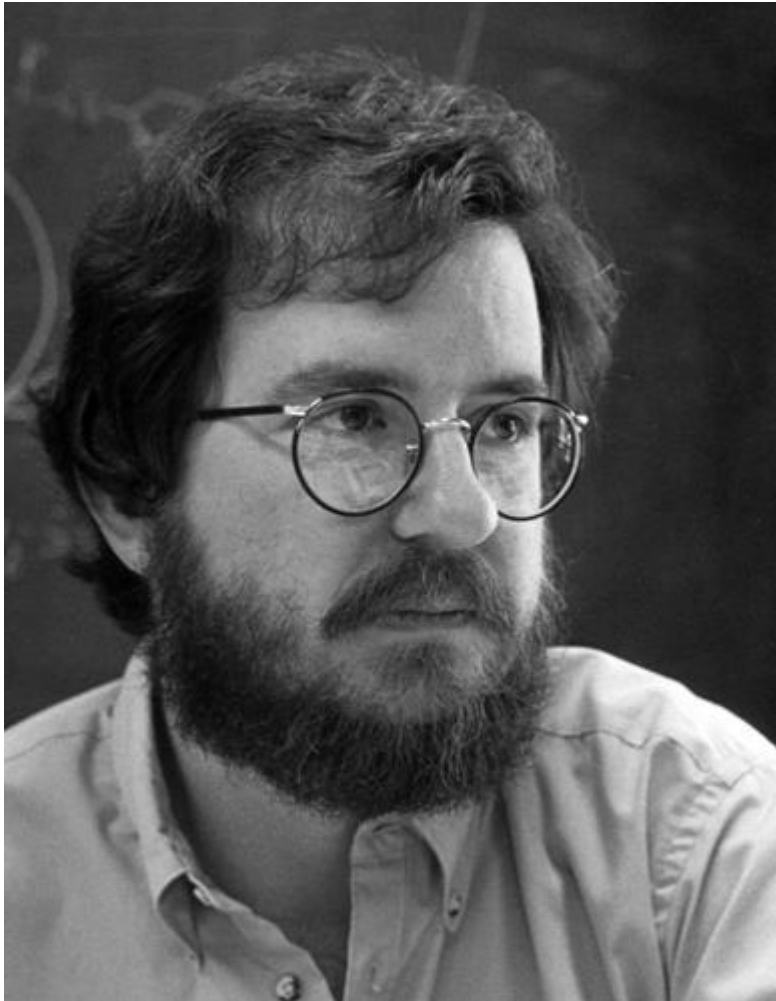
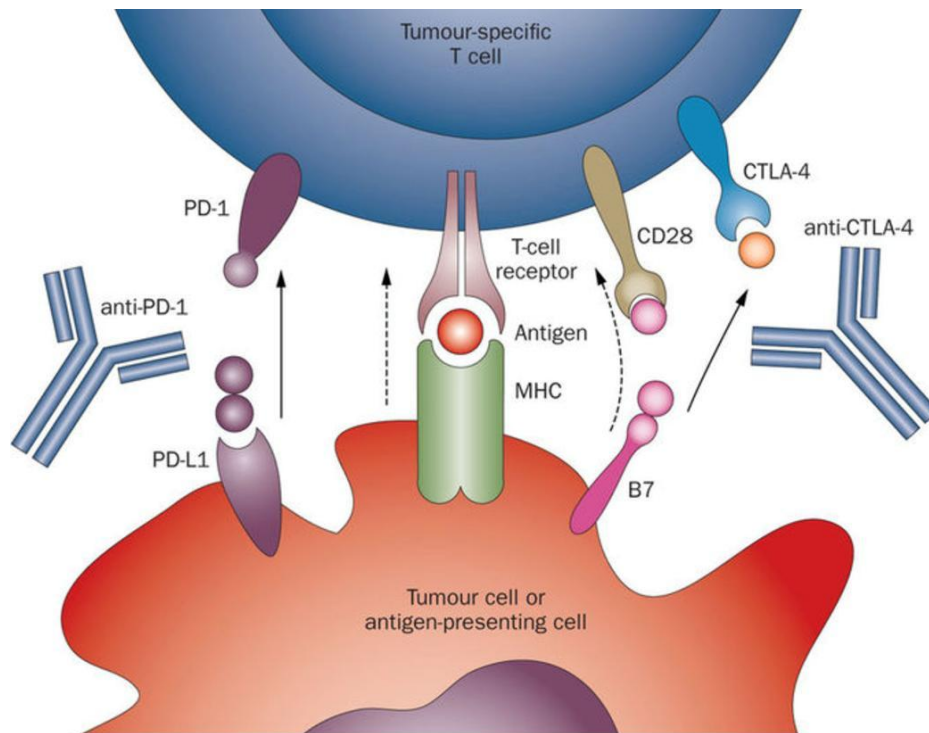




Supplementary Figure 1: Photograph of Dr. William Coley. William Coley stimulated anti-tumoral reactions by injecting bacterial antigens, starting in 1891, and reported many successes. Express written permission given by Cancer Research Institute, New York (www.cancerresearch.org), with citation as such



Supplementary Figure 2: Photograph of Dr. James Allison. James Allison discovered the T-cell receptor, or the "ignition switch" of the T-cell, in 1982. In 1996 he showed that malignant tumors could be successfully treated in animals by blocking one of the "gas pedals" or immune checkpoints on the T-cell, CTLA-4. While anti-PD-1 antibody has been one of the most clinically studied antibodies of the group, many other immune checkpoints and their ligands have been discovered, and further testing of these is underway. Express written permission given by Elsevier Publisher, from article: Allison JA. Checkpoints. *Cell* 2015;162:1203-5



Supplementary Figure 3: Immune checkpoint blockade: Creative Commons Attribution (open access). Figure is from: Drake CG, Lipson EJ, Brahmer JR. Breathing new life into immunotherapy: review of melanoma, lung and kidney cancer. *Nature Reviews Clinical Oncology* 2014;11:24–37. doi:10.1038/nrclinonc.2013.208