

**Dr. Anna Tocheva**

This study led by Anna S. Tocheva, PhD from the Columbia Center for Translational Immunology will investigate the signaling pathways triggered by the inhibitory receptor PD-1 in human T cells. Dr Tocheva will combine immunology and functional genomics to challenge the current dogma that PD-1 is merely an inhibitory receptor. This research will shed light into the basic biology of PD-1 signaling in different T cell subsets across anatomical sites and how it shapes protective T cell responses at cellular and molecular levels.