

The Influence of Innate Immunity on the Generation of Multi-functional T Cells

Patricia A. Darrah, Mario Roederer and Robert A. Seder. Vaccine Research Center, NIAID, NIH, Bethesda, MD, USA, 20892

Multi-functional cytokine producing T cells are critical for mediating protection against a variety of pathogens. The studies presented will focus on how the early innate immune response comprised of dendritic cells and their production of cytokines such as IL-10 and IL-12 control the magnitude and quality of T cell immunity. Furthermore data will be shown to highlight substantial differences in how protein/adjuvant and attenuated viral vaccines elicit protective T cell responses. Collectively these studies provide insight into defining immune correlates of protection and the mechanisms by which vaccines elicit multi-functional responses.