

"IL-17 Signaling in Autoimmunity and Cancer"

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IL-17A is responsible for protection from multiple forms of infectious disease (particularly fungal infection) but are also associated strongly with autoimmune diseases and cancer. Since the discovery of this connection (first published in 2007) we have continued to dissect the molecular regulation of IL-17-mediated physiology and pathophysiology and have identified critical determinants that enable this pathway to connect to multiple downstream endpoints. Such functional diversity and the knowledge of responsible molecular controls have allowed us to develop candidate inhibitors that have shown significant potential for therapeutic application in pre-clinical studies.