

Third Annual Midyear Workshop on Cytokines

IL-17 and Related Cytokines: Basic Biology and Clinical Applications

June 18 — 21, 2012, Trinity College Dublin, Ireland

Program: Program Chairs are **Kingston Mills** (Trinity College Dublin, Ireland) and **Daniel Cua** (Merck Research Laboratories, Palo Alto, CA). The program will consist of plenary lectures, poster sessions and oral presentations covering IL-17 and related cytokines presented by outstanding researchers. Participants are invited to submit an abstract. Abstracts will be presented as posters. Some selected abstracts will be orally presented.

Location: The meeting will be held at Trinity College Dublin located in Dublin City Centre. Hotel rooms are available in several nearby hotels offering a variety of amenities and range of rates.

Meeting Focus: The discovery of Th17 cells, the cytokines they secrete and those that induce their differentiation/expansion, has had an enormous impact on our understanding of the pathogenesis of autoimmune and chronic inflammatory diseases. Antibodies and inhibitors that target IL-12p40, IL-23p19 and IL-17 have all been assessed in the clinic with anti-IL-12p40 already licensed for the treatment of psoriasis, while others are showing efficacy in clinical trials for Crohn's disease and rheumatoid arthritis.



Recent developments involving the function of other Th17 secreted cytokines, including IL-22 and GM-CSF as well as innate cells that secrete IL-17, including $\gamma\delta$ T cells and LTi cells, have underlined the complex role of the IL-17 family in inflammation and host protection. The discoveries that Th17 cells, through IL-17 and IL-22 production, have protective roles in immunity to infection and tumors have significantly advanced our understanding of host defense over that provided by the Th1/Th2 model of adaptive immunity. Clinical studies have also revealed potential complications of blocking both Th1 and Th17 responses in inflammatory disorders. Scientists performing cutting-edge basic research on the molecular and cellular mechanisms of induction and function of Th17 cells and members of the IL-17 family of cytokines along with those working to translate this knowledge into novel therapies for human disease will both find a forum at this meeting.

Topics include:

Differentiation and regulation of Th17 cells

Innate IL-17 and IL-22 in inflammation

IL-17 family cytokines in experimental models of infection and cancer

IL-17 family cytokines in experimental models of human autoimmune and chronic inflammatory disease

IL-17 family cytokines in human diseases

Clinical application of IL-17, IL-22 and IL-23 targeted therapies

Abstract Deadline: April 4, 2012

For Information

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