**Immune-based Therapy for Chronic Infectious Diseases: trials of novel approaches in HIV and TB**

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### Abstract

The immune responses to infections such as HIV and tuberculosis (TB) contribute to aspects of disease pathogenesis. Although drugs used in the treatment of HIV and TB mainly target the pathogen directly, the possibility of using adjunctive immune-based therapy to improve clinical outcomes remains an attractive proposition. This talk will describe several recent clinical trials that have explored immune-based therapy approaches for HIV infection using interleukin-2 or chloroquine / hydroxychloroquine that have yielded surprising results. Continuing this theme, the rationale for and design of an ongoing randomized placebo controlled clinical trial testing whether adjunctive anti-IL-4 monoclonal antibody can modify the immune response and microbiological and clinical outcomes in pulmonary TB will also be described.

### Selected Publications