

Spectrum of outcomes in human filarial infections

<http://maizelsgroup.biology.ed.ac.uk/>

Third stage larvae (L3) from infected mosquitoes



Asymptomatic infection - adults in lymphatic vessels, microfilariae in peripheral blood



Modified Th2
IgG4+++ , low IgE
Low IFN- γ ,
High IL-10, CTLA-4
(T reg?)

Resistant individuals remaining free of infection



Th1 and Th2 in balance
IgE+
Balanced IFN- γ /IL4
Lower IL-10

Lymphatic disease, fever and obstructive oedema - elephantiasis



Dominant Th1 and Th17 Responses