

ALLERGY, GENETICS

BEST ALLERGY PAPER 2007

4.12.2007

The end of the year 2007 is approaching very fast. I can already vote for the best allergy paper in 2007 – it is a paper from Vienna by [Victoria Leb](#) about the molecular and functional analysis of the Ambrosia antigen T cell receptor. They have been able to isolate and transfer alpha (TRAV17-TRAJ45) and beta chain (TRBV18, TRBD1 and TRBJ2-7) TCR chains into Jurkat cells and even other human blood lymphocytes with convincing evidence that the infected cells were Ambrosia Art V1 reactive.

This opens brand new perspectives for developing a truly allergic TCR transgenic mouse that can be easily challenged and desensitized. It may even allow immediate testing of a variety of substance (and constructs) to ultimately cure allergy. My favorite is to feed DCs with antigen coupled to a T cell [suicide program](#) on successful [antigen presentation](#).

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