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 <u>Victoria Leb</u> 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 convicing evidence that the infected cells were Ambrosia Art V1 reactive.

This opens brand new perspectives for developing a truely 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 <u>suicide program</u> on successfull <u>antigen presentation</u>.

CC-BY-NC Science Surf 4.12.2007, access 19.10.2025 ☐