

# „Autoallergy“ in atopic dermatitis

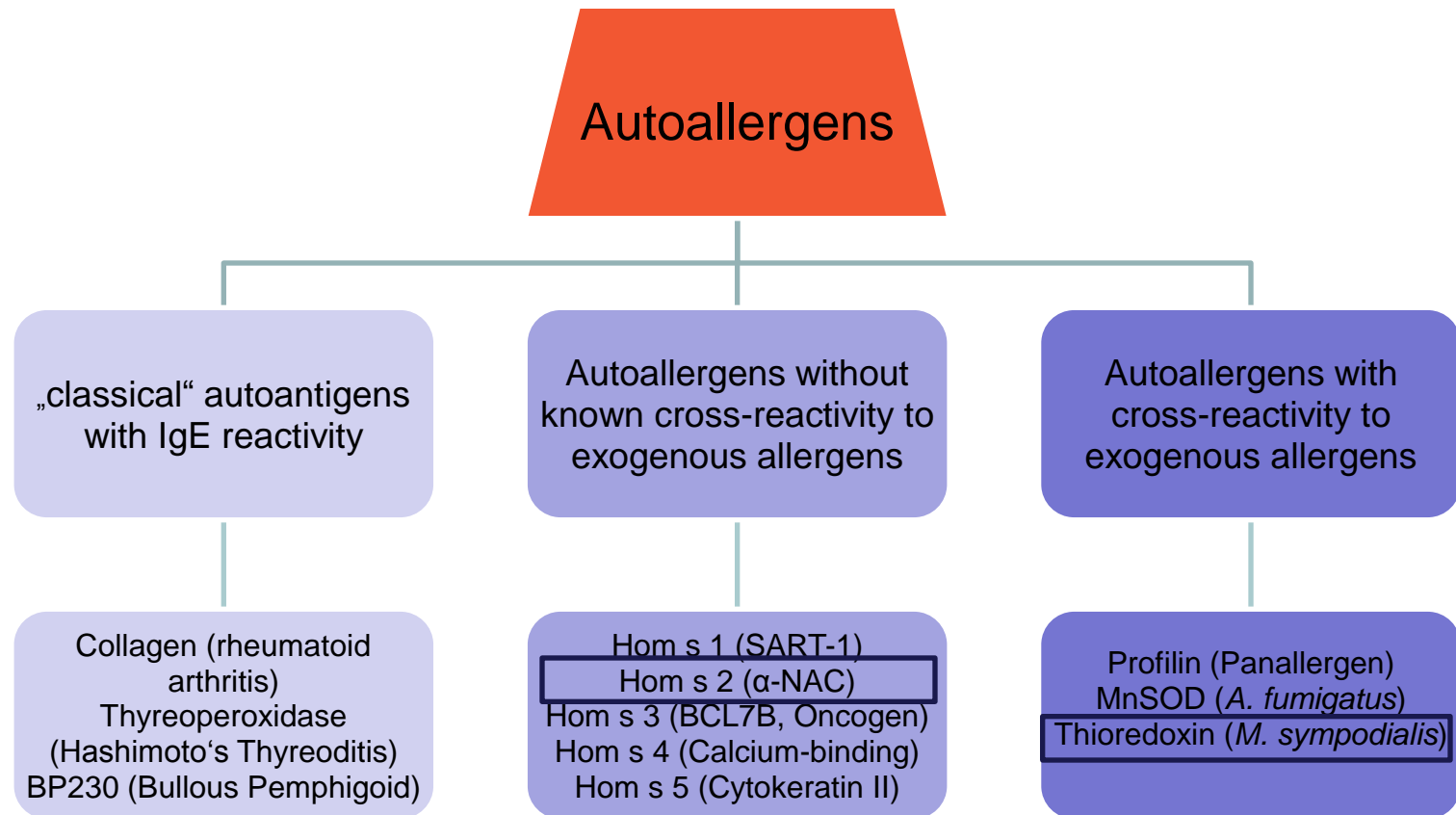
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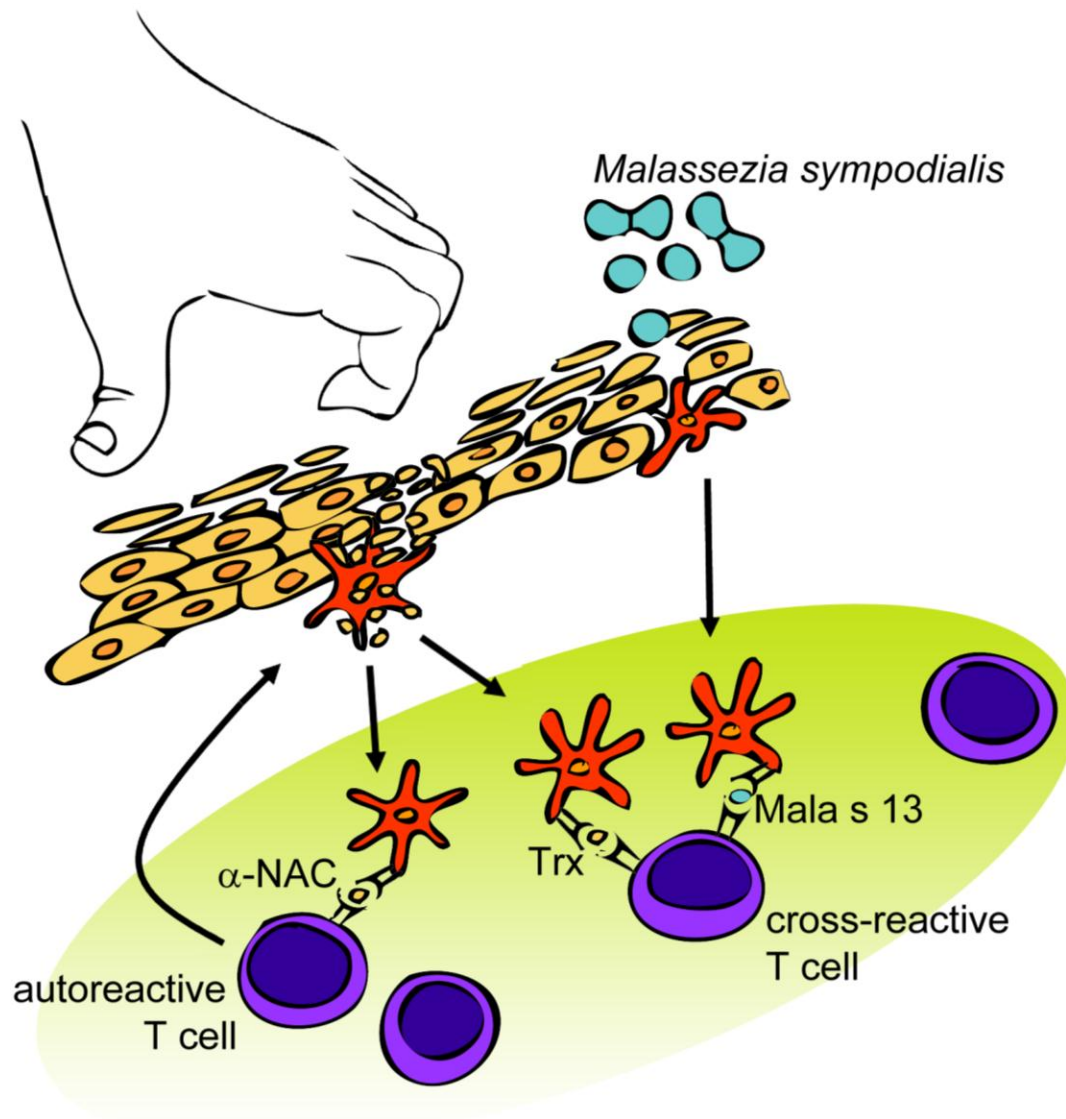


Hannover Medical School

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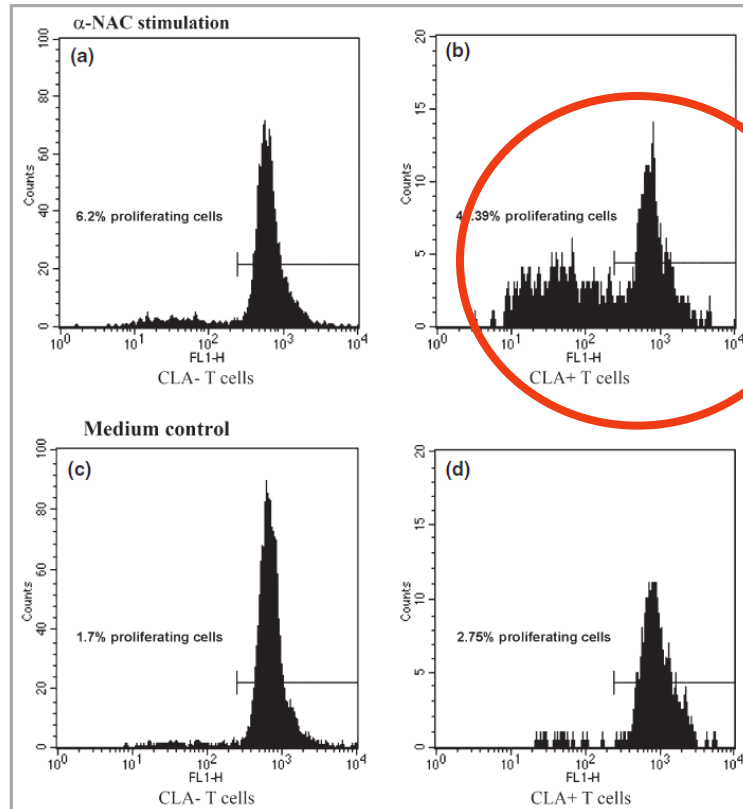
# Autoallergy





# The role of T-cell reactivity towards the autoantigen $\alpha$ -NAC in atopic dermatitis

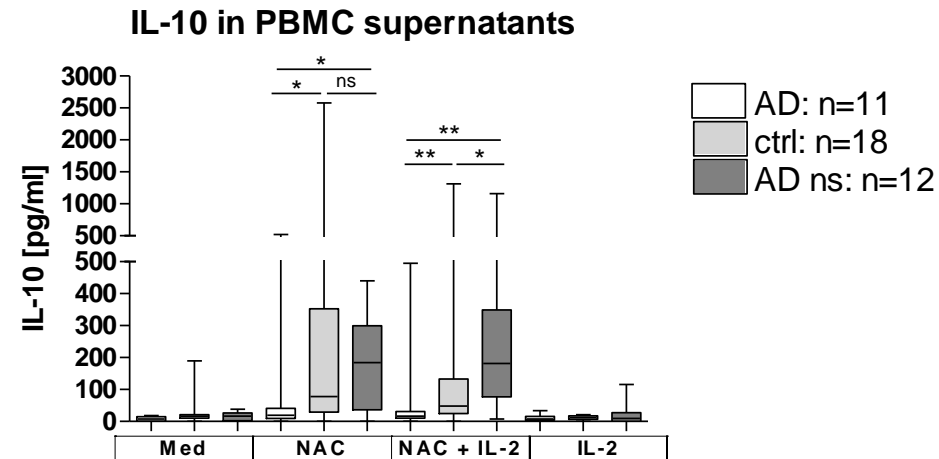
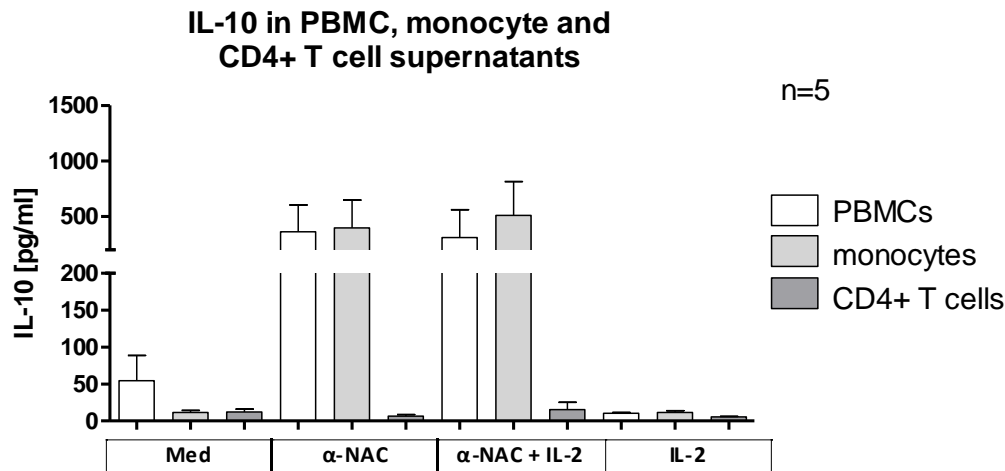
A. Heratizadeh, I. Mittermann,\* H. Balaji, K. Wichmann, M. Niebuhr, R. Valenta\* and T. Werfel



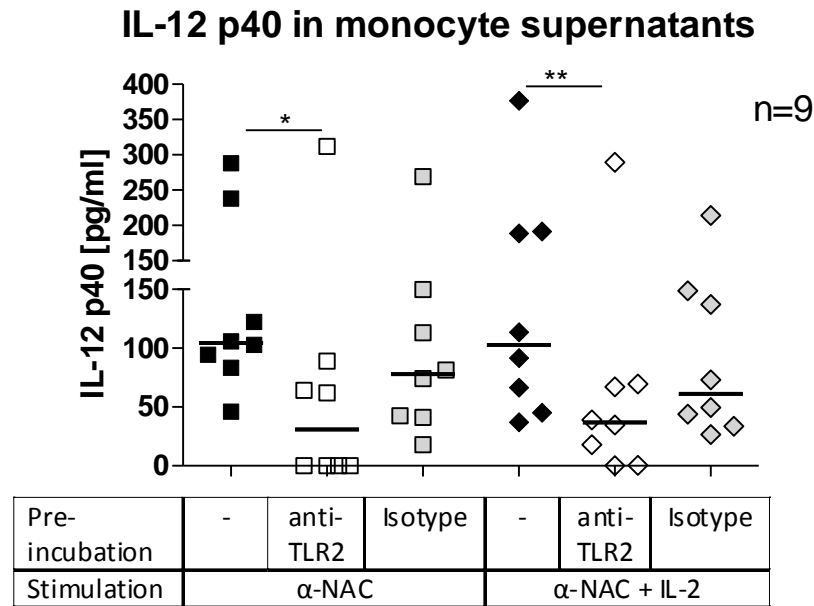
Stimulation of sensitized patients' PBMC with  $\alpha$ -NAC induces specific proliferation of skin-homing T cells

CD4<sup>+</sup> as well as CD8<sup>+</sup>  $\alpha$ -NAC-specific T cell clones can be generated

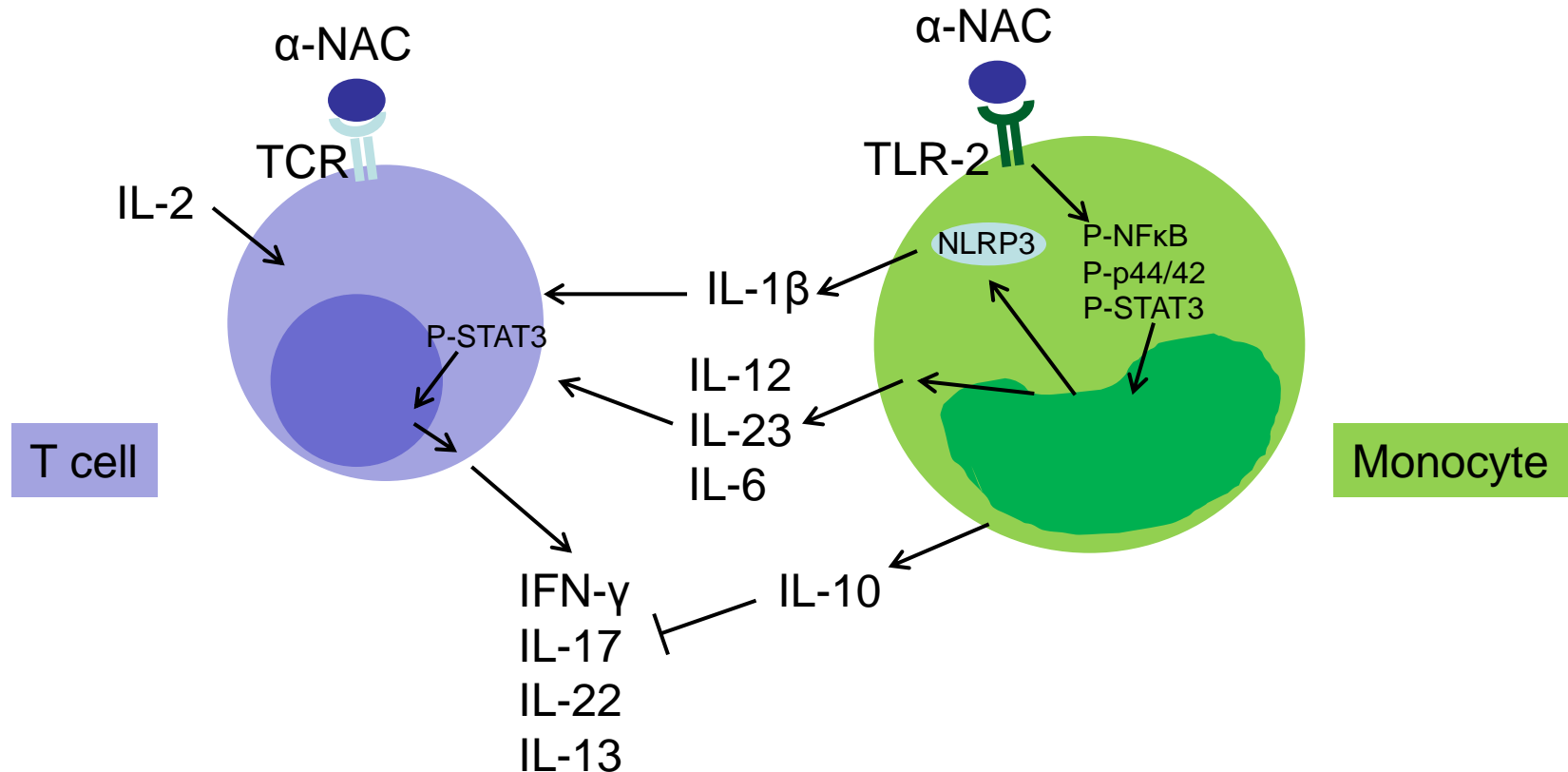
# IL-10 secretion is reduced in PBMCs from sensitized AD patients



# $\alpha$ -NAC activates monocytes via TLR-2



# $\alpha$ -NAC and hTrx trigger innate and T cell cytokine responses



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