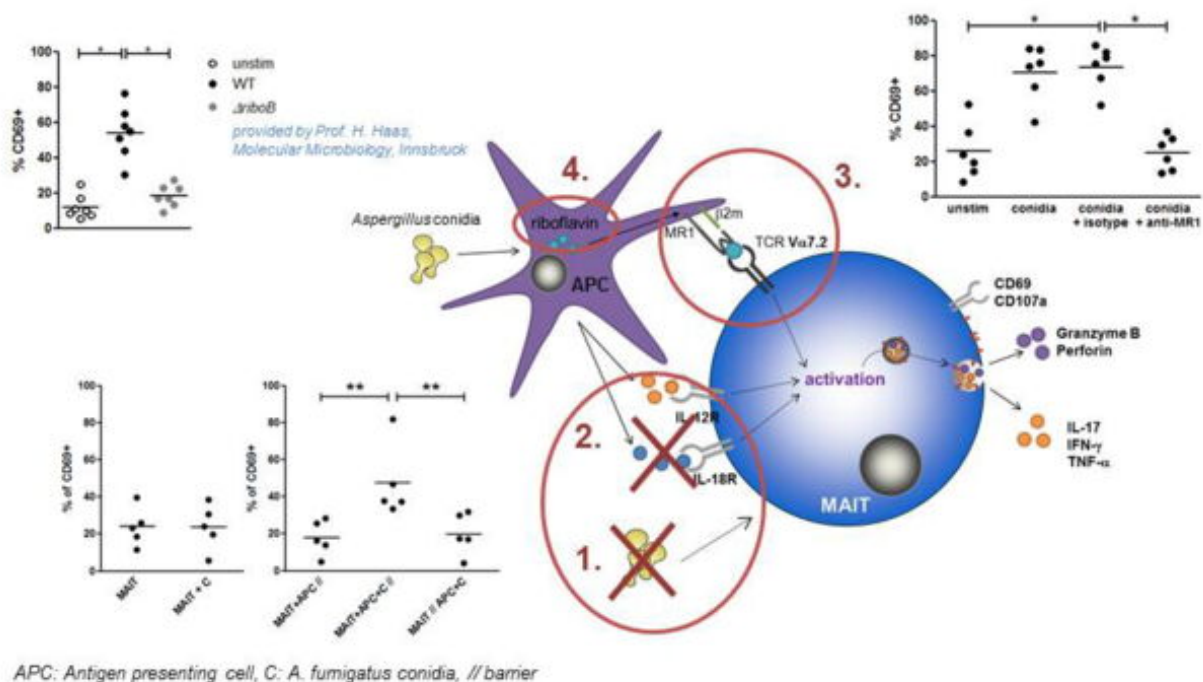


Interaction of MAIT cells with moulds

Human MAIT cells are rapidly activated by *A. fumigatus* in an antigen presenting cell-dependent manner



APC: Antigen presenting cell, C: *A. fumigatus* conidia, // barrier

Activation of human MAIT cells by *A. fumigatus*.

Mucosal-associated invariant T (MAIT) cells are innate-like T cells with a specific invariant T cell receptor (TCRVa7.2) which recognizes riboflavin-metabolites presented by MR1 on antigen-presenting cells. The activity against bacteria, yeasts and viruses has already been shown. Our group looks at the interaction of MAIT cells with mould species. These projects include *Aspergillus* spp. as well as Mucorales and investigate MAIT cells from healthy donors as well as patients.