Project: Initial Training Network for Neurological Disorders orchestrated by cytokines (NeuroKine)

Research Topic: Cellular targets and downstream effector mechanisms of IL-12/IL-23 signalling in Alzheimer´s disease

In general, this project is aimed at uncovering the mechanisms and cell type able to mediate inflammation in the context of Alzheimer's disease (AD) pathology. Specifically, the signalling of the common IL-12 and IL-23 subunit p40 and its effect upon AD will be analysed. Additionally, characterisation of IL-12 and /or IL-23 receptor bearing cells in the AD context with or without receptor deficiency will be undertaken. Analysis of human tissue will try to establish a translational significance of p40 signalling.

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