



Project A09 - Analysis and therapeutic modification of innate immune regulatory networks controlling T-cell responses in multiple sclerosis

Subcluster: Immune-regulatory networks and disease initiation

Project Summary: Innate lymphoid cells (ILC) are considered to play a relevant role in immune regulatory processes of MS. We aim to study the role and therapeutic modification of innate immune regulatory networks in controlling T-cell responses in MS. Studying the phenotype and immune-regulatory function of NK cells and group 3 ILC we will

- (i) identify underlying mechanisms used by distinct ILC to regulate T-cell activity;
- (ii) investigate MS-specific alterations of these mechanisms; and
- (iii) explore how these mechanisms are therapeutically modified by immune-selective biologicals.

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