

MECHANISTIC REFINEMENT OF THE COMMON MARMOSSET MODEL FOR MULTIPLE SCLEROSIS

1. The quantitatively minor myelin antigen MOG evokes major clinical effects in the common marmoset EAE model.
(dit proefschrift)
2. EAE induced in common marmosets by immunization with the MOG peptide 34 to 56 emulsified in an adjuvant without mycobacteria is a valid model for chronic MS.
(dit proefschrift)
3. The MOG peptide 34 to 56 activates autoreactive T-cells, which phenotypically and functionally resemble the NK-CTL-like cells that control latent CMV infection.
(dit proefschrift)
4. Autoreactive T-cells restricted to the MHC class 1b molecule Cja-E in the common marmoset have a central role in CNS demyelination.
(dit proefschrift)
5. B-cells are the obligatory antigen presenting cell type for the encephalitogenic T-cells in an antibody independent common marmoset EAE model.
(dit proefschrift)
6. Complete Freund's adjuvant is helpful in immune activation, but not in the understanding of autoimmunity.
7. The more insight we get into the pathogenesis of human autoimmune diseases, the less likely it will be that a single animal model representing all aspects of the disease can be developed.
8. The continuous discovery of new T-cell lineages such as Th9, Th17, and Th22 creates disease models that are probably more complex than the disease itself.
9. The composition of the gut microbiota is an essential factor in the disease process of several neurological disorders.
10. Mensen die tegen dierproeven ageren, maar wel gebruik maken van de medische kennis die daaruit voortkomt, staan zelf voor aap.
11. If I have the belief that I can do it, I shall surely acquire the capacity to do it even if I may not have it at the beginning.
(M. Gandhi)