

The Pancreatic Macrophage Compartment in Health and autoimmune Diabetes: a study on Maturation, Mobility and Matrix interactions

Parijs, 9 november 2004

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- 1 Dendritic cells and macrophages are not solely involved in the initial activation of islet specific autoreactive T-cells in NOD mice, but also in the retention of these autoreactive cells in the inflammatory lesions in the pancreas.
(*This thesis*)
- 2 F4/80 identifies a particular subset of inflammatory macrophages in the pancreas that are virtually absent under non-inflammatory conditions.
(*This thesis*)
- 3 The signaling molecule Extracellular Regulated Kinase-1/2 is a negative regulator of CD49d expression in macrophages.
(*This thesis*)
- 4 Toll-like receptor 4 signaling modulates the expression of the adhesion molecule CD49d in macrophages.
(*This thesis*)
- 5 During embryogenesis the pancreatic macrophages develop from pre-existing precursors present in the fetal pancreas, emphasizing the importance of the local tissue microenvironment.
(*This thesis*)
- 6 There is nothing less logic than hierarchic thinking in a scientific community.
- 7 Most titles of scientific reports refer to the author's interpretation rather than to the actual observations.
- 8 The outcome of the dynamic process of cell migration is determined by the sum of all mechanisms involved. Since not all mechanisms are identified yet, it is impossible to speculate on the outcome without directly tracking the migrating cells *in vivo*.
- 9 Scientific progress is made as much by motivation as by irritation.
- 10 Humane hersenen ontwikkelen zich onvoldoende als de omgeving niet rijk genoeg is. In dat opzicht is de uitvoering van een promotieonderzoek in een capitol als Parijs voor wetenschappers in opleiding van harte aan te bevelen.
- 11 Een promotieperiode is als een tweede puberteit, iedereen haalt opgelucht adem wanneer je eindelijk op eigen benen staat...