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Universiteit Leiden



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**Title:** The IL-12 family and dendritic cells : key regulators of immunity and immunological tolerance

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Stellingen (Propositions)  
Behorende bij het proefschrift getiteld

## **The IL-12 family and Dendritic cells**

*Key regulators of immunity and immunological tolerance*

1. Despite the remarkable degree of chain sharing between the four members of the IL-12 family, each one possesses its own distinct biological function. (this thesis)
2. Local cell populations, either resident or infiltrating, can significantly contribute to the overall complement activation at a particular site of inflammation. (this thesis)
3. Dendritic cells possess an impressive repertoire of innate pattern recognition receptors, which is key in helping them decipher the nature of a given insult. (this thesis)
4. Due to their prime location it is conceivable that interstitial renal fibroblasts are pivotal in orchestrating a fully integrated immune response and may play a crucial role in educating local and infiltrating renal DCs. (this thesis)
5. Death is not the only outcome of apoptosis.  
— Seamus Martin; Cytokines 2012, Geneva, Switzerland.
6. I like to think that when Medawar and his colleagues showed that immunological tolerance could be produced experimentally the new immunology was born.  
— Frank M Burnet; ‘Immunological Recognition of Self’, Nobel Lecture, 12 December 1960.
7. It is most possible that primitive effector cells bear receptors that allow recognition of certain pathogen- associated molecular patterns that are not found in the host. I term these receptors pattern recognition receptors.  
— Charles A. Janeway Jr 1989. Approaching the Asymptote? Evolution and Revolution in Immunology.

8. One of the most insidious and nefarious properties of scientific models is their tendency to take over, and sometimes supplant, reality.  
—Erwin Chargaff; Quoted in J. J. Zuckerman, ‘The Coming Renaissance of Descriptive Chemistry’, Journal of Chemical Education, 1986.
9. Cast a cold eye On life, on death. Horseman, pass by!  
— W.B. Yeats; Under Ben Bulben, 1939
10. There is no authority who decides what is a good idea.  
— Richard P. Feynman; The meaning of it all, 1963
11. Those who cannot change their minds cannot change anything.  
— George Bernard Shaw, (1856-1950)
12. Behaviour that’s admired is the path to power among people everywhere.  
— Seamus Heaney, 2008



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