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Apoptotic cell clearance by macrophages and dendritic cells : immunoregulation in the context of innate immunity

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Stellingen (Propositions)

Behorende bij het proefschrift

Apoptotic cell clearance by macrophages and dendritic cells: immunoregulation in the context of innate immunity

1. Anti-inflammatory macrophages preferentially clear early apoptotic cells. (this thesis)
2. Binding of the complement regulator properdin to dying cells occurs also independently of C3b. (this thesis)
3. Most opsonins bind to late apoptotic and necrotic cells, but hardly to viable or early apoptotic cells. (this thesis)
4. Although necrotic cells are generally thought to release “danger” signals, the host itself can minimize the danger by means of certain innate molecules such as properdin. (this thesis)
5. A counterpart of *in vitro*-polarized anti-inflammatory macrophages exists also *in vivo*. (this thesis)
6. The modes of cell death, the innate opsonins and the nature of phagocytes together determine the immunological consequence of phagocytosis. (this thesis)
7. The complement system and components of innate immunity together protect against the response to self antigens in systemic lupus erythematosus. (Carroll M.C., *Nat. Rev. Immunol.* 2004, 4: 825-831)
8. Depending on the death inducing stimuli, apoptotic cells can also release “danger” signals. (Albert M.L., *Nat. Rev. Immunol.* 2004, 4: 223-231)
9. While philosophers seek the meaning of life, cell biologists are becoming ever more interested in the meaning of death. (Savill J. and Fadok V., *Nature*. 2000, 407: 784-788)
10. Descriptions of modern China are usually out of date by the time they are printed. (Wels W.A., *J. Exp. Med.* 2007, 204: 213)
11. Try not to become a man of success but rather to become a man of value. (Einstein A.)
12. Rejection of your manuscript by a journal is part of science.

Wei Xu

Leiden, 26th Sept. 2007