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**Title:** Innate, adaptive and regulatory immune responses in human schistosomiasis in Gabon

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**Stellingen behorende bij het proefschrift**

**“Innate, adaptive and regulatory immune responses in human schistosomiasis in Gabon”**

1. Immune hypo-responsiveness during schistosomiasis does not extend to innate responses (this thesis).
2. In humans, CD4<sup>+</sup>CD25<sup>+</sup>FOXP3<sup>+</sup> regulatory T cells are induced by *Schistosoma haematobium* infection and are associated with antigen specific immune hypo-responsiveness (this thesis).
3. In both humans and mice, IL-10-producing CD1d<sup>hi</sup> regulatory B cells are induced by *Schistosoma haematobium* infection (this thesis).
4. Whole blood assays while ideal for the tropics may not be sufficient for detailed immunological investigations (this thesis).
5. Study participant's gender is often included as a covariate in analysis, should the experimenter's gender now also be included? (Sorge RE et al. Nat Methods 2014; 11(6):629-32)
6. As deworming has been shown to be positively associated with allergy and inflammatory diseases, mass drug administration programs to treat helminth infections (PLoS NTD: A Research Agenda for the Control and Elimination of Human Helminthiases 2012) will need to be closely monitored for the development of inflammatory conditions in the treated populations.
7. Immunology as a research field could greatly benefit from a system biology approach, including integration of high-throughput data sets with functional immunological data (Kidd BA et al. Nat Immunol 2014; 15(2):118-27), resulting in a more global assessment of immune responses and health (Trautmann L & Sekaly RP. Nat Immunol 2011; 12(8):729-31).
8. Statistics: The only science that enables different experts using the same data to draw different conclusions. (modified from Evan Esar, Esar's Comic Dictionary)
9. Stubbornness is both a positive and a negative trait of a researcher.
10. One never notices what has been done; one can only see what remains to be done (Marie Curie, letter to her brother 1894).
11. Conducting data analysis is like drinking a fine wine. It is important to swirl and sniff the wine, to unpack the complex bouquet and to appreciate the experience. Gulping the wine doesn't work (Wright DB. Br J Educ Psychol 2003 73(Pt 1):123-36).