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Stellingen behorend bij het proefschrift “Immunological differences by urban and rural populations”

1. Depending on the vaccination time point, the infectious agent will encounter IgGs with different glycosylation profiles, which can influence antibody effector function and thus immunity (this thesis).
2. IgG1 galactosylation levels could be used as a biomarker for immune activation in population studies (this thesis).
3. The differences in immune responses between human populations call for the development of population-specific vaccines and treatments (this thesis).
4. There is no holy grail that protects against malaria, but rather a complex network of immune cells working together over time and in different locations (this thesis).
5. To increase the chances of developing effective vaccines and other potential immunotherapies, and to understand the mechanisms of disease pathogenesis, it may help to go back to the basics and simply ask how people become immune to malaria (Langhorne *et al. Nat. Immunol.* (2008)).
6. Mass cytometry can drive the next stage of deep profiling in mapping biological mechanisms of normal development, the role of multiple cell subsets in carrying out appropriate immune responses, and how any malfunction in these causes disease (Bendall *et al. Trends Immunol.* (2012)).
7. Although a reductionist approach is essential to gain mechanistic insights, such isolated challenges are never presented to the host during a natural infection (Jain *et al. J. Immunol.* (2017)).
8. One prominent difference between adaptive lymphocytes and innate lymphocytes pertains to the existence of conventional T cells in a naive state (Bedoui *et al. Nat. Immunol.* (2016)).
9. Everyone is entitled to his own opinion, but not his own facts (Daniel P. Moynihan, quoted by Robert Sobel, *Past Imperfect: History According to the Movies* (1996)). *Science is important as it provides facts one cannot disagree with.*
10. Strangers are strangers until they meet (Chef'Special, *Amigo* (2016)). *Unknown people, places, and procedures might appear intimidating at first, but that should not stop you as you will become familiar with them as well.*
11. Science should be less about scientists and more about gaining and sharing knowledge.