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## **Immune parameters affecting maternal tolerance towards the fetus in normal and aberrant pregnancies**

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Stellingen behorende bij het proefschrift

*Immune parameters affecting maternal tolerance towards the fetus  
in normal and aberrant pregnancies*

1. Regulatory T cells are involved in the maternal acceptance of the allogeneic fetus. *(this thesis)*
2. Reciprocal incompatibility for one HLA-DR antigen between mother and fetus is beneficial for the development of the child. *(this thesis)*
3. HLA-G expression is increased in the placenta of successful pregnancies in women with a history of recurrent miscarriages. *(this thesis)*
4. Soluble HLA-G levels in seminal plasma are genetically determined by HLA-G 3'UTR haplotypes. *(this thesis)*
5. The serum source affects the tolerogenic effect of seminal plasma *in vitro*. *(this thesis)*
6. Maternal tolerance requires proactive activation of selected immune pathways within the maternal immune system.
7. The journal impact factor is not always a measure of quality.
8. Future organ allocation will be based on HLA epitope rather than HLA antigen matching.
9. As multiple players can be held accountable for winning or losing a football match, multiple factors are accountable for recurrent miscarriages.
10. There is a need for more systematic contact and collaboration among research groups, institutions, and industries.
11. A systems-driven, cross-disciplinary environment will be a fundamental necessity in order to succeed in understanding a highly complex organism such as the human body. *(adapted from Hood. RMMJ 2013;4(2):e0012)*
12. Research, much like traveling, is fatal to prejudice, bigotry, and narrow-mindedness. *(adapted from Mark Twain in The Innocents Abroad, 1869)*

Moniek Craenmehr  
Leiden, 16 juni 2020