Propositions accompanying the dissertation

Novel treatment strategies for the protection of the preterm brain
Re-balancing inflammation and regeneration

Daan Ophelders

1. Antifungal treatment as a ‘first line of defense’ prevents fetal demise, but should be supplemented with additional therapies. (this dissertation)

2. The secret behind the therapeutic potential of stem cells lies hidden in their extracellular vesicles. (this dissertation)

3. In vitro licensing of stem cells may increase the therapeutic potential of their respective extracellular vesicles. (this dissertation)

4. Immune inhibition is frequently confused with immune modulation. The latter is a more sensible approach.

5. Timing is everything. Therefore, identification of biomarkers to determine onset and duration of intra-amniotic infections are crucial for successful therapeutic strategies. (this dissertation)

6. Multipotent Adult Progenitor Cells have high clinical potential to protect the fetal brain in the course of perinatal stress. (this dissertation)

7. The power of data from a large translational animal models data lays in its biological relevance.

8. “The womb may be more important than the home.” (David Barker).

9. “In the spirit of science, there is really is no such thing as a ‘failed experiment.’ Any test that yields valid data is a valid test.” (Adam Savage)

10. “The scientist is not a person who gives the right answers; he’s one who asks the right questions.” (Claude Lévi-Strauss)