

# Novel treatment strategies for the protection of the preterm brain

Citation for published version (APA):

Ophelders, D. R. M. G. (2017). *Novel treatment strategies for the protection of the preterm brain: re-balancing inflammation and regeneration*. [Doctoral Thesis, Maastricht University]. Datawyse / Universitaire Pers Maastricht. <https://doi.org/10.26481/dis.20170317do>

## Document status and date:

Published: 01/01/2017

## DOI:

[10.26481/dis.20170317do](https://doi.org/10.26481/dis.20170317do)

## Document Version:

Publisher's PDF, also known as Version of record

## Document license:

Unspecified

## Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

## General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

[www.umlib.nl/taverne-license](http://www.umlib.nl/taverne-license)

## Take down policy

If you believe that this document breaches copyright please contact us at:

[repository@maastrichtuniversity.nl](mailto:repository@maastrichtuniversity.nl)

providing details and we will investigate your claim.

## 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*)