

University of Groningen

## Macroglial diversity and its effect on myelination

Werkman, Inge

DOI:  
[10.33612/diss.113508108](https://doi.org/10.33612/diss.113508108)

**IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.**

*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
2020

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*  
Werkman, I. (2020). *Macroglial diversity and its effect on myelination*. Rijksuniversiteit Groningen.  
<https://doi.org/10.33612/diss.113508108>

### Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

### Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

# Acknowledgments



Inge Werkman<sup>1</sup>

*<sup>1</sup> Department of Biomedical Sciences of Cells & Systems, section Molecular Neurobiology, University of Groningen, University Medical Center Groningen, A. Deusinglaan 1, 9713 AV Groningen, the Netherlands*

When I started my PhD project, for which I received a grant from the GSMS based on a proposal written during the MPDI master that I followed, I was very confident I would graduate within 4 years. Oh, how I underestimated doing a PhD. Many negative results made me desperate more than once. Concocted back-up plans in case I failed included studying theoretical physics, astronomy, statistics and more. However, these were all distractions from my actual goal, which I always knew was to continue in research. Despite taking quite a bit longer than anticipated, and experiencing some difficult times both personally and professionally, I am proud to have finished this work and glad that I somehow retained my enthusiasm for doing research. Of importance, a PhD is never a solo endeavor, and mine is no exception. Here, I would like to thank everyone who made writing of this thesis possible and contributed to my time as a PhD student.

First, I would like to take this opportunity to thank my promotor Wia. Your inexhaustible knowledge and extraordinary memory often resulted in you remembering which experiments I had done better than I remembered. You always found a way to motivate me when I was on the edge of giving up. Next to Wia, I would like to thank my promotor Dick, who has always been extremely supportive and enthusiastic towards me and my research, and provided a critical, down-to-earth point of view.

Next, I would like to thank the members of the reading committee Prof. dr.U.L.M. Eisel, Prof. dr. E.M. Hol and Prof. dr. I. Huitinga for their time and effort invested in reading my thesis.

Of course, also my colleagues deserve all my gratitude. Firstly Karen, who helped me a lot with the cholesterol extraction assays and made sure I had all the equipment I needed. Jenny, I have to thank for the many Western blots she has done for me. Erik, who started guiding me in the lab when I was still a master student, and with whom I have written the fibronectin aggregation paper. Also, I want to thank my students Leny and Carlien, who performed experiments for the fibronectin and extracellular matrix story. Jing, Pascal and Joris, thank you for your contribution to the fibronectin

aggregation paper. Great thanks go to another student of mine; Janine, who has performed many of the cholesterol extractions. Nieske, Bart and Marissa, thank you for all the help with the RNA sequencing and data analysis. Thanks to Jelkje and Pieter from the genetics department who have performed the actual sequencing.

Others from the MS group, including Josephine, Hande, Jing, and Marjolein, and more, thank you for the early guidance and aid in the lab while I just started my PhD project. Charlotte, thank you for all the nice talks and our Friday afternoon crying sessions. Hanneke, even though you were not really my student, you were a great contribution to the lab. Rianne, thank you for helping me cutting human brain tissue, all done in two very long, but fun days at the VU. Jacomien, thank you for being such an awesome student and becoming our colleague and friend. It is a great compliment to always see you in my outfits. Thanks to your husband Frank, for proofreading my thesis. Riemer, thanks for all the klaverjassen. Pauline, thank you for indulging in my bad behavior. Moreover, thank you so much for becoming my friend and literally taking me and Dennis into your home. Jody, even though we don't know each other for long, I feel we truly bonded over our shared Mandela effect misery, and consider you as a very close friend. Pauline and Jody, thank you for being my paranymphs. Valentina, the most beautiful eyes and most vibrant character, with you there it is always a party. Wendy, also you I have not known for long; I am sure I will miss your pure, genuine laughter. Also thanks to your boyfriend, Kerst-Jan, for the parties. Marion, even though we don't share the same floor, it is always nice to have you around.

Of course, next to the MS group also other colleagues became real friends. Thanks Ina and Cuifeng as my roommates -together with Charlotte and Arend- early on during my PhD. Arend, I think I have known you longest of everyone, being part of the same master's program and started working on the 10th floor at the same time. There will never be a dungeon daddy like you. Bhagyashree, thank you for letting me introduce you to the crazy Dutch party culture, I truly enjoyed your Indian techno dance. Edwin, I don't think I know anyone else with such a clear and pretty handwriting as you have. But also, I am truly impressed by your perseverance. Leon, thank you for your numerous amounts of random facts. Nicole, although not in our floor, we shared a

few parties and it was a lot of fun. Finally, thanks to other colleagues than have been around on the 10th floor and in the Cell Biology/BSCS department during my PhD, Jan-Willem, Jan Wijbenga, Wytse Hogewerf, Harry Moes, Harrie Kampinga, Sven, Inge, Yue, Changsen, Qinghong, Lavinija, Isabelle, Bojana, Peng, Herschel, Chris, and anyone else I have not mentioned by name.

Gisela, my friend now abroad, although not a direct colleague at the moment, I am still confident our future joined lab will be awesome. Els, you are still very much welcome to join, we could definitely use your brain power and it is always fun to have you around.

With so many of you colleagues I truly have become friends. Next to scientific discussions you have provided me with board game nights, Age of Empires battles (it is not a LAN party!), and parties until the early morning. I will miss you all and feel sad for knowing the chances are very small I will ever have such a close bond with all of my colleagues again. You made my time as a PhD student probably the best time of my life. All of my gratitude goes out to you.

Natuurlijk gaat mijn dank ook uit naar vrienden en familie. Speciaal wil ik bedanken Marieke, die naast mijn zus ook mijn beste vriendin is. Bedankt mama, door jouw ziekte is mijn passie voor MS-onderzoek sterk aangewakkerd. Aan papa, voor het altijd steunen daar waar nodig. Dank aan mijn broer Peter en zus Linda. Ook gaat mijn dank gaat naar Sahraya, voor de interesse die je toont in mijn onderzoek (inclusief stage bij mij op het lab) en omdat ik jouw crazy tante mag zijn.

Laura, Laura, Jaleesa, Jaleesha en Mandy. Wat een fantastische vriendinnengroep zijn jullie altijd voor mij geweest, ik ben zo gelukkig dat er ook een Inge in dit rijtje met namen past. Ondanks dat we allemaal totaal verschillend zijn, is het nooit anders dan gezellig met jullie. Maar ook zijn jullie er altijd voor me wanneer ik iemand nodig heb, zelfs als ik aan de andere kant van de wereld zit. Ik ga jullie enorm missen in de VS.

Iris en Raisa, wat begon als collega's bij de McDonalds met Iris en dat uitgroeide tot ons 3en reizend over de wereld. Met jullie kan ik alles bespreken zonder enige vorm van oordeel. Ik zie er naar uit jullie in alle uithoeken van de wereld op te zoeken!

Rich en Githa, dank voor jullie altijd vrije, spirituele inzichten. Met jullie heb ik bizarre, emotionele en bijzondere ervaringen gedeeld. Bijzondere dank voor je kookkunsten Rich, dankzij jou heb ik leren genieten van eten. Iets te veel misschien.

Bianca and Vipe, friends for life made in just a few days.

Mijn dank gaat naar mijn psycholoog, die mij in tijden dat ik het moeilijk had ondersteunde.

En natuurlijk last, but not least, mijn hartelijke dank voor Dennis, mijn held, die heel snel van collega naar liefde ging, mijn beste vriend werd en bij wie ik altijd terecht kon wanneer ik het moeilijk had. Wat begon als "een relatie tussen ons gaat nooit werken" tot "nu nog even en ik mag je officieel mijn man noemen". Ik dank je voor onze gedeelde, bizarre interesse voor dinosauriërs en voor je mooie snor. Het spijt me dat je je droom als paleontoloog hebt moeten opgeven omdat je niet naar de VS wilde, maar nu toch met me mee gaat. Vele grote dank daarvoor, met jou is het veel gezelliger. Ondanks dat je me regelmatig afleidde op werk met Dumpert-filmpjes hebben we ook vele wetenschappelijke discussies gehad, heb je eigenlijk al mijn werk nagelezen en verbeterd, hebben we samen gepubliceerd en zijn we somehow nog steeds meer dan beste vrienden. Zonder jou had ik de afgelopen 5 jaar niet gekund.

Liefs,  
Inge