RNAi based gene therapy for HIV-1, from bench to bedside
Von Eije, K.J.

Citation for published version (APA):
Von Eije, K. J. (2009). RNAi based gene therapy for HIV-1, from bench to bedside

General rights
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), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: http://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.
This thesis is the result of teamwork by people from different labs and people from different parts of the world. I cannot thank all in person. But those of you who have supported me in this journey through science and the path of personal exploration, thank you so much! Thank you, dear family, friends and colleagues for sharing the good moments, but also for supporting me when I faced disappointments and frustrations and for sharing the passion for science. There are, however, also many persons that I like to thank in person.

First of all, I like to thank my promotors, Ben Berkhout and John Rossi. Without their trust, guidance and support this thesis would not have been possible. I could not have wished for a better combination of promotors.

Ben, thank you for giving me the opportunity to become your PhD student. You are a great teacher and your guidance has been of great value. You gave me the opportunity to discover the world of science, but you also gave me the opportunity for personal development. The many hours we spend discussing science were a big pleasure and your honesty was refreshing. Also the fact that you let me follow my own path, while guiding me to keep things on track helped me very much.

John, your approach to teaching was a great addition to that of Ben. Aside from giving me the opportunity for this special dual PhD construction, you made me to become involved in this particular field of science. During the initial internship in your lab I discovered the joy of working as a scientist. Whenever I needed your advice or guidance you helped me patiently and you also gave me the opportunity to find my own path and to learn from my own mistakes. Also you gave me the possibility to cooperate with the many bright people in your lab. Every year it was a joy to be back in the City of Hope.

Olivier, in the first years of my PhD you have supervised me with a lot of dedication until you moved to EP & C to start a new career as a patent lawyer. Your critical discussions and guidance are very much appreciated!

Thank you Tom, for allowing me to learn the basic skills in your lab, but also for the advice you gave: firstly to follow my own path, and secondly, to extend my
student time with a PhD training.

Cees, you taught me, a medical student, how to hold a pipette and what a PCR really is. You were a fantastic teacher, and patiently explained me the basics of science, while sharing your scientific knowledge with me. Your enthusiasm for science is contagious! And your teaching in working precisely and efficiently (in the lab) is still very fruitful for me today.

Mireille and Nicolas I really want to thank you for your teachings and collaboration. I learned so much about the HIS-mouse model and immunology from both of you.

Carolien thank you for the help with all the paperwork involved in finalizing a PhD and the so many other things you have helped me with.

Steff, thanks for the enormous amounts of ELISAs you have done for me.

Berend, thanks for all the help and sorting my cells, your patience is amazing!

Dear RNAi fanatics from the Berkhout lab, it was a pleasure to work together with all of you.

Michel, Mark, Martijn and Rienk thanks for helping me when I got frustrated with computer problems.

Dear roommates thank you for the candies and cookies, but above all for the fun and the constructive atmosphere.

Monique your cakes and pies are fantastic. And your advice resulted in a super wedding cake for my sister!

Julia, aside from being a great person, your organization skills are amazing, including PhD retreats, ski trips, and farm camping trips. It is an honor and pleasure for me that you will be paranimph at my PhD defense.

Walter, Joost and Edwin, you belong to the small group of people who have seen me screaming hysterically! Thanks for that interesting experience....when is our next sailing trip?

Elly you are an amazing, open minded and strong woman; I have a lot of respect for you!

Pavlina, aside from you being a good colleague, I also really appreciate our friendship. Babysitting Raffi is always fun, the dinners delicious and spending time in Bulgaria with you was fantastic.

Jens, it was great to have you in the lab. Eva, you are amazing, the short time you needed to learn Dutch was impressive and spending time with you and Jens was always a pleasure. I miss you both, and hope you guys can make it to my defense.

But also all the other colleagues from the Berkhout lab that I have not mentioned: Work, lunchbreaks, BBQs, Ebsteinbar, Oude Gasthuys, Skiing, Sailing, Camping, Vancouver, Ladies nights and so many more great things, I could not have had more fun and more pleasant collegues.

Haiting thank you for teaching me the first steps in gene therapy development and also for all your help.

Mohammed, your mentoring was great, Santa Barbara and Disneyland were fun and seeing you again when I suddenly had to replace the talk in Barcelona made my stay perfect!
Lars it was great to work together with you and to visit NY for the first time with you before the conference. I admire your own built home and enjoyed spending time with you and your family in Denmark!

Pål your super fast visit to Amsterdam was great fun, when can you drive me on the back of the bike again?

Harris, aside from the great time outside work I like to thank you for all the great advice. You are the northern king!

Lisa and Daniela, you were of great support helping me find my way in the Rossi lab, but I also really enjoyed our less scientific conversations!

Sabrina, you did such a good job during your internship in the Rossi lab, your graph is included in Chapter 7. I wish you all the best in your future medical studies!

Dear Priscilla thank you for teaching me how to isolate stem cells from cord blood and for the discussions and lunches.

Also many, many thanks Wanda, Norma and Jocelyn for all the administrative help and support during my visits.

And also to all the other Rossi lab members, thank you for making my stay at the City of Hope this great.

Thanks John, Jade, Jeff and Ted for hosting me during my visits to the States.

Patrick, Lars, Pål, Kevin, Marco, Tessel and Olivier: you guys are great fun to play golf with!

Margarida, thanks for calling me out of my bed for delicious Portuguese lunches. I also enjoyed our explorations in LA and Amsterdam and our strolling along the riverside of Oporto drinking great wines and ports and celebrating San Juan.

Saurabh, sorry for being another friend who leaves like so many of your visiting scientist friends, but you know to be welcome in Amsterdam, and you noticed that I do not stay out of LA for too long. Thanks also for borrowing your car when I broke my first one.

Dan, you are a wonderful person with a special place in my heart. Borrowing your converted car was a trip and thanks for fixing it the many times when I was not treating her according to her needs. I am so happy I met you and I am looking forward to be driven around in your home built electric car! Having you, Brooke and Matthew over in The Netherlands was great.

Dear Joris and Ted, thanks for joining me in the Venture Challenge. It was great fun! And Mike I am glad that Lentisi worked so well for you, you still look amazing! Hans and Math, thanks for the great workshops, and all the other participants for their great suggestions! It gave me the opportunity to look at my research in a commercial and business like way.

Dear pauzeclubje members (Claire, Michiel, Vanessa, Ilze, Annette and Martine) thanks for your friendship, love, and support for so many years. Martine it is an honor to have you as my paranymph at such a special day. You know me so thoroughly and are of such a great support that it is of great comfort to know that you will be sitting next to me during the PhD defense.

Dear Simone, Lotje and Stephanie, your support, jokes, encouragements and friendship is invaluable. Dear boekenclubje friends (Laurien, Marja, Anna, Maartje,
Marlous and again Simone, Stephanie, and Lotje). What started with the same passion and goals during our time in the IFMSA, has grown in beautiful friendships with great evenings of “book discussions” and fun. Arriving tired at the book club after working all day in the lab resulted in leaving late with positive energy. You were of great support during these years.

Ivo, your support, friendship and encouragement are priceless.

Boaz, it was great to have you in the lab, your enthusiasm about science gave me a lot of energy! But above all you are a great friend. I am sure you will have a great time at Harvard, though I will miss you here.

Evan, even though we do not always agree on all aspects, it is a blast to discuss science with you! You are a great friend.

Dear Kevin and Paula, every time I was over and spent time with you guys that was fantastic. And little Harper, I can’t wait to finally meet you! Its an honor for your godmother to have you at her PhD defense.

I like to thank you, Robb, for all your love, support and discussions during the last months when I was finalizing my thesis. You were right: LaTeX is easy to handle, but only because you taught me the tricks!

Lieve opa Steven, met uw observatievermogen, rust en wijsheid bent u een groot voorbeeld voor mij! Bedankt voor alle steun. Lieve Opa Jan, Oma Grietje, en Oma Zwaantje, ik weet dat jullie trots op mij geweest zouden zijn, bedankt voor alle goede zorg en liefde.

Dinie bedankt voor alle goede gesprekken met thee en een lekker stukje koek en alle goede zorg.

Familia Pierantozzi, gracias por todo. Ustedes son mi segunda familia, y quisiera que ustedes pudieran estar en Hollanda en este dia especial de mi gradution.

And last but not least, I am very grateful to my parents, Henk en Geesje, thank you for all the love and care and giving me the opportunity to explore the world in my own way with always your fullest support. I could not have wished myself better parents. And Evelien, Steven, Johanneke, Marjolein, it is great to have such a supportive and warm siblings. Once more, thank you all!

Karin Jasmijn von Eije
September 2009
Amsterdam, The Netherlands