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## Curriculum Vitae

Piotr Maczuga was born on August 9, 1983 in Leżajsk, Poland. After completing the secondary school in 2002 (Zespół Szkół im B. Chrobrego in Leżajsk), in October 2002 he started studying Biology at the Jagiellonian University in Krakow, Poland. During his studies, he participated in the Socrates/Erasmus program and spent one semester working in the Department of Pediatrics, Radboud University Medical Center Nijmegen, The Netherlands. After obtaining MSc in Biology in June 2007 at the Jagiellonian University, in November 2007 he started European Union's Leonardo da Vinci internship at Amsterdam Molecular Therapeutics (now uniQure Biopharma). In February 2008, he started working as a PhD student of the Leiden University Medical Center at Amsterdam Molecular Therapeutics, where the work presented in this thesis was performed. Following the end of the PhD, he started working as a Junior Researcher Emerging Technologies at uniQure where he continued to work on RNAi-based gene therapy.



## Publications

1. **Maczuga P**, Lubelski J, van Logtenstein R, Borel F, Blits B, Fakkert E, Costessi A, Butler D, van Deventer S, Petry H, Koornneef A, Konstantinova P (2013). Embedding siRNA sequences targeting Apolipoprotein B100 in shRNA and miRNA scaffolds results in differential processing and in vivo efficacy. *Mol Ther*; **21**: 217-227.
2. Dieteren CE, Koopman WJ, Swarts HG, Peters JG, **Maczuga P**, van Gemst JJ, Masereeuw R, Smeitink JA, Nijtmans LG, Willems PH (2012). Subunit-specific incorporation efficiency and kinetics in mitochondrial complex I homeostasis. *J Biol Chem*; **287**: 41851-41860.
3. **Maczuga P**, Koornneef A, Borel F, Petry H, van Deventer S, Ritsema T, Konstantinova P (2012). Optimization and comparison of knockdown efficacy between polymerase II expressed shRNA and artificial miRNA targeting luciferase and Apolipoprotein B100. *BMC Biotechnol*; **12**: 42.
4. Borel F, van Logtenstein R, Koornneef A, **Maczuga P**, Ritsema T, Petry H, van Deventer SJ, Jansen PL, Konstantinova P (2011). In vivo knock-down of multidrug resistance transporters ABCC1 and ABCC2 by AAV-delivered shRNAs and by artificial miRNAs. *J RNAi Gene Silencing*; **7**: 434-442.
5. Koornneef A, **Maczuga P**, van Logtenstein R, Borel F, Blits B, Ritsema T, van Deventer S, Petry H, Konstantinova P (2011). Apolipoprotein B knockdown by AAV-delivered shRNA lowers plasma cholesterol in mice. *Mol Ther*; **19**: 731-740.



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When I started in Amsterdam Molecular Therapeutics in 2007, I joined the Vector Development group and I would like to thank **Dr. Andrew Bakker** and to the present and former group members. **Saskia** - thank you for supervising me during my internship but also for organization of the volleyball tournament. **Bas** - I could always count on you. Thank you for accepting to be my paranymph. **Betty** and **Larbi** - for everyday help and for nice conversations. I also would like to thank **Jacek** who is current Head of the Vector Development group for his help with all sorts of problems - not only scientific. After Vector Development, I joined the RNAi/Emerging Technologies group and I would like to express my gratitude to all members. My favourite postdoc in AMT was **Annemart** - I really enjoyed working with you in the lab and our scientific discussions. I have to say that I learned a lot from you. **Florie** - Thank you for your help during whole PhD process - for your smile and for your enthusiasm. **Jolanda** and **Linaida** - Thank you for your help. I would like to say a big thank you to **Richard** and **Bas** from the Brain/In vivo group - thank you for help on various in vivo experiments! I would like to thank the Immunology group: **Valerie**, **Anna**, **Karin** and **Sander**. It was nice to work with you on the immune-tolerance project. Thank you **Anna** for being my friend since university and I really keep my fingers crossed for your PhD. **Karin** - Thank you for your expertise in immunohistochemistry and for helping me with the Dutch translations. **Sander** - Thank you for your medical and non-medical advices. **Stuart** - it was a lot of fun working with you - Thank you for the corrections. My former officemate – **Nicollo** I wish you good luck with your PhD. I hope we will stay in touch! **Astrid** - Every time you visited us you brought Spanish temper to the company! Finally I would like to thank members of the PD and MF groups especially Jeroen for helping me with virus purifications and Mustafa- for help with cell cultures.

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