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Chimerism in health, transplantation and autoimmunity

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CURRICULA VITAE

MARIJE KOOPMANS

Marije Koopmans was born on the 17th of March 1982 in Rotterdam. Already at the age of four, she enjoyed listening to her mother, a nurse at the Emergency Department, telling stories about her medical work. Marije followed secondary school at 'het Rijnlands Lyceum' in Oegstgeest. She always knew that she wanted to work in the medical field, only changed her mind about becoming a midwife to becoming a medical doctor. Marije received her gymnasium certificate in 2000 and graduated with an '8 average', which gave her a guaranteed start in medical school.

In 2000 she started medical school at the University of Leiden. Idske and Marije met in the first year where they took part in the same study group, because of the alphabetical assignment. Two years later they talked to Prof. dr. Jan Anthonie Bruijn about 'doing research'. This resulted in a first study on chimerism, in which they collected data for an ongoing research project on chimerism after bone marrow transplantation. This project raised their interest in research on chimerism. Soon after, they were able to start their own research project, under the supervision of Dr. Ingeborg Bajema. In 2003-2004 Marije participated in the Excellent Student Program. During the third and fourth year she divided her time between research and medical school. In November 2004 Marije received the Master's degree in Medicine *cum laude*. Together with Idske she received the KNMG's Dick Held Junior Award for the report of their Scientific Training Period.

From February 2004 until September 2006 she worked full time at the department of Pathology of the Leiden University Medical Center on the studies described in this thesis. The Gratama Foundation enabled Idske and Marije to do this by supporting them financially. Several times they presented their research projects in both oral and poster presentations on national and international conferences like the American Society of Nephrology's Renal Week. Next to research, Marije followed the Honours Class of the Leiden University (2004) and enjoyed travelling to various places like the USA, Indonesia and Thailand. From June until November 2008 she could finish her PhD research working full time within the frame of the MD/PhD Program of the LUMC. Currently she is finishing her internships, and Marije will receive her Medical Degree on March 27, 2009.

IDSKE KREMER HOVINGA

Idske Cornelia Lydia Kremer Hovinga was born on the 23rd of June 1982 in the Academic Hospital Leiden. For one and a half year she lived in Leiden and then moved with her parents to Rotterdam and was raised there with her sister Sandra and brother Nanno. She was educated at the primary school 'De Kralingsche school' and the secondary school 'Het Emmauscollege', both in Rotterdam. As a young girl, Idske dreamed of becoming a history teacher. When biology classes focused on the human body, in the fourth grade of secondary school, her interests shifted and she then decided that she wants to become a doctor. In 2000, she graduated from secondary school with an '8 average', giving her a guaranteed entry to medical school. She went back to Leiden, her city of birth, to study medicine at Leiden University.

After two years of medical studies, she noticed that she had some extra time left, next to her study activities, social activities at the Student's Society L.V.V.S. Augustinus and sport activities at the field hockey club. After a motivating conversation with professor Bruijn, she became enthusiastic about doing research and started to combine her studies with research at the renal pathology group in the summer of 2002. Together with her study colleague and friend Marije Koopmans she performed research on the subject of chimerism, which is described in this thesis. Just before Marije and Idske arrived, dr. Bajema was assigned as renal pathologist at the department of Pathology. She became their enthusiastic supervisor and friend.

In 2004, Idske graduated for her Master's degree in Medicine *cum laude*. The department of Pathology offered her the opportunity to extend her research on chimerism to a PhD project, and therefore she temporarily stopped her study for two years to do research. To establish a feel for the clinic, she worked ten hours per week at the Dutch Thrombosis Service of Leiden during this period. The work at the laboratory was twice interrupted for a number of weeks for her charity work for the organization 'Pour les Autres' of the diocese of Rotterdam in Kenya and India and her clinical internship in Kenya. In September 2006 she started her internships and in the free hours she completed her PhD thesis. In this period she married the love of her life Thijs Resink.

Idske received her Medical Degree certificate *cum laude* in December 2008. Currently she is working as a resident in pediatrics (ANIOS) at the Lange Land Hospital in Zoetermeer.

