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Vaccination and targeted therapy using liposomes : opportunities for treatment of atherosclerosis and cancer

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Curriculum Vitae

Naomi Benne was born on the 12th of March, 1993 in Heemskerk, the Netherlands. She obtained a bilingual International Baccalaureate diploma (English and German) from the International School Rheintal in Buchs, St. Gallen, Switzerland in 2010. She obtained a BSc diploma in Bio-Pharmaceutical Sciences from Leiden University in 2013, where she performed her bachelor project titled "Incorporation of TLR Ligands in Liposomes to Improve Dendritic Cell Activation in a Therapeutic Peptide Vaccine" at the Division of Drug Delivery Technology under the supervision of Eleni Varypataki. She continued this project during her 9 months master internship, writing the thesis "Development, Characterisation and Evaluation of Synthetic Long Peptide-Based Liposomal Formulations". She performed her 6 months master internship at Octoplus in Leiden, and wrote a thesis titled "A Novel Formulation Process for the Preparation of Surface Eroding PLGA-Based Microparticles Using an Ultrasonic Nozzle". She obtained her MSc diploma in Bio-Pharmaceutical Sciences in 2015. In August 2015 she started her PhD project titled "Vaccination and Targeted Therapy Using Liposomes; Opportunities for Treatment of Atherosclerosis and Cancer" under the supervision of Dr. Bram Slütter, Prof. Dr. Wim Jiskoot and Prof. Dr. Johan Kuiper at the Division of Biotherapeutics at the Leiden Academic Center for Drug Research. In December 2019, she started as a postdoctoral researcher in the group of Prof. Dr. Femke Broere at the Division of Immunology, Department of Infectious Diseases and Immunology, Faculty of Veterinary Medicine, Utrecht University, working on developing tolerogenic vaccines to treat rheumatoid arthritis.

List of Publications

Benne, N., van Duijn, J., Kuiper, J., Jiskoot, W. & Slütter, B. Orchestrating immune responses: How size, shape and rigidity affect the immunogenicity of particulate vaccines. *J Control Release* 234, 124-134, (2016).

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