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Novel formulations and delivery strategies for inactivated polio vaccines : new routes with benefits

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LIST OF PUBLICATIONS

Kraan H, Soema P, Amorij JP, Kersten G. *Intranasal and sublingual delivery of inactivated polio vaccine*. *Vaccine*. 2017; 35:2647-53.

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CURRICULUM VITAE

Heleen Kraan was born on the 15th of January in 1984 in Gouda. After graduating from St.-Antoniuscollege in Gouda in 2002, she started her study Biology at Utrecht University and obtained her Bachelor's Degree. In 2008, she started working at the Netherlands Vaccine Institute (NVI). Next to her job, she did a pre-Master program in 2009 after which she continued her study with the Master's program Drug Innovation at Utrecht University. In 2012, she obtained her Master's degree in Pharmaceutical Sciences. In the same year, she started her PhD study on alternative routes and new delivery strategies for polio vaccines within the Delivery Technology project at the Institute for Translational Vaccinology (Intravacc). This work was performed under the supervision of Prof. dr. Gideon Kersten (Intravacc, University of Leiden), Prof. dr. Erik Frijlink (University of Groningen) and dr. Jean-Pierre Amorij. In recent years, she worked on numerous projects on vaccine formulation and delivery of different antigens. Currently, she is working as project leader and scientist within the Analysis, Delivery and Formulation department at Intravacc.