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Ecology and genomics of Actinobacteria and their specialised metabolism

Bergeijk, D.A. van

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Curriculum vitae

Doris Antonia van Bergeijk was born in Hoofddorp, The Netherlands, on the 24th of January, 1992. She attended secondary school at the Haarlemmermeerlyceum in Hoofddorp, during which she followed three years of bilingual education (English-Dutch). After graduating in 2010, she conducted voluntary work in the Philippines and China, and worked and travelled in New Zealand.



In 2011, she continued her studies with the Bachelor Pharmacy at Utrecht University and discovered her passion for microbiology and research. After obtaining her BSc in July 2014, she started the Research Master Drug Innovation at Utrecht University. During her first internship in the pharmaco-epidemiology group of prof. dr. Anke-Hilse Maitland-van der Zee, she collected clinical data for the Children Anticoagulation and Pharmacogenetics Study and extracted DNA from saliva samples for genotyping under supervision of dr. Hedy Maagdenberg. During her second internship, Doris studied the effect of salt exposure on macrophages in zebrafish larvae under supervision of dr. Neeraj Dhaun and dr. Alicja Czopek at the University of Edinburgh. Eager to gain more experience in the lab, she completed an extracurricular internship in the group of dr. ing. Erik Hendriksen, working on the development of a new *in vitro* model to study mast cell-neuron interactions in the brain.

In February 2017, Doris started her PhD project at the Institute of Biology (IBL) at Leiden University, as part of the metagenomics PhD program of the Netherlands Centre for One Health (NCOH), connecting to the NCOH research theme *tackling antimicrobial resistance*. Under the joint supervision of prof. dr. Gilles van Wezel and prof. dr. Herman Spaijk, she worked on different ecological approaches to access the full biosynthetic potential of Actinobacteria. During her PhD, Doris organised several workshops, seminars, and symposia as board member of Young NCOH and as part of the spotlight committee of the IBL. Doris will continue her scientific career as a postdoctoral researcher in the laboratory of prof. dr. Jeroen Raes at KU Leuven, Belgium, to work on intestinal bacteria and their role in health and disease.



List of publications

van Bergeijk, D.A., Elsayed, S.S., Du, C., Nuñez Santiago, I., Roseboom, A.M., Zhang, L., Carrión V.J., Spaink, H.P., van Wezel, G.P. The ubiquitous catechol moiety elicits siderophore and angucycline production in *Streptomyces*. *Commun Chem* **5**, 14 (2022).

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