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Synthetic biology approaches towards a deeper understanding of polar growth in *Streptomyces*

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Curriculum vitae

Maarten Lubbers was born in Capelle aan den IJssel, the Netherlands, on the 23rd of February, 1998. He attended secondary school at the Erasmiaans Gymnasium in Rotterdam, from which he graduated in 2016.

Maarten Lubbers completed his Bachelor's in Biology at Leiden University, with extracurricular Honours Bèta and Life Science programs. He completed his Bachelor's internship in the lab of Dennis Claessen, where he investigated cell wall-deficient *Mycobacterium smegmatis* under the daily supervision of Noortje Dannenberg. Maarten continued at Leiden University with a Master's program in Molecular Genetics and Biotechnology. His first Master's internship project was in the lab of Gilles van Wezel, where he investigated the antimicrobial properties of snake venoms, under the daily supervision of Dr. Chao Du and Dr. Isabel Nunez Santiago. His second Master's internship was in the lab of Danny Haelewaters at Ghent University, where he focused on host-specificity and infection mechanisms of Laboulbeniales, a group of parasitic fungi.

After his Master's program, Maarten started his PhD program under the joint supervision of Prof. Dr. Dennis Claessen and Prof. Dr. Gilles van Wezel. As a visiting researcher, he attended the labs of Prof. Dr. Klas Flärdh at Lund University and Dr. Bernhard Kepplinger at Wrocław University. Furthermore, he played an active role in education, among other things, by supervising Leiden iGEM teams. The work done as a PhD student is described in this thesis.

