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## The ecology and evolution of microbial warfare in streptomycetes

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# Curriculum Vitae

Sanne Westhoff was born on the 3<sup>rd</sup> of May 1991 in Woerden, The Netherlands. In 2009 she graduated from Het Minkema College in Woerden. That same year she started her Bachelor programme in Biology at Leiden University in Leiden. As part of her Bachelor she completed a BSc research project at the Leiden University Medical Center (LUMC) on the effect of adipocyte derived extracts on human T cell proliferation. She graduated cum laude for her Bachelor in 2012 and started that same year with her MSc programme in Biology. During her MSc research projects she worked on signalling pathways in filamentous fungi, studying *Aspergillus fumigatus* at Leiden University and *Schizophyllum commune* at Utrecht University. She graduated cum laude for her MSc in 2014. She decided to pursue a PhD in the field of ecology and evolution studying antibiotic production and resistance in the bacterial genus *Streptomyces*. The results of this work are published in this thesis and in several international peer reviewed journals. During her PhD studies she presented her work at national and international conferences. She will now continue her work on antibiotic resistance by studying the mechanisms of antibiotic interactions in the lab of Prof. dr. Andersson at the University of Uppsala, Sweden.

# List of publications

- **Westhoff S**, Kloosterman A, van Hoesel SFA, van Wezel GP, Rozen DE. (2020). Competition sensing changes antibiotic production in *Streptomyces*. *mBio* (under revision).
- **Westhoff S**, Otto SB, Swinkels A, Bode B, van Wezel GP, Rozen DE. (2020). Spatial structure increases the benefits of antibiotic production in *Streptomyces*. *Evolution* **74**: 179–187.
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