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Curriculum Vitae

Education and training

- 2011 – 2015 **PhD-student, Department of Ecological Science, Vrije Universiteit (VU) Amsterdam**
- 2015 **Participant Nationale DenkTank 2015 (National Think Tank)**
During my PhD I participated in the Nationale DenkTank 2015 about education and learning in the future. The Nationale DenkTank is a non-profit trying to help solve societal challenges by connecting academia, business and government.
- 2014 **Academic Visitor, Social Evolution Group, Department of Zoology, University of Oxford**
I worked on a game theory approach to ask when mutualists offer diverse services to their host versus specialising on a single service (Chapter 6).
- 2012 – 2013 **Guest Researcher, Plant-Microbe Interactions, Department of Biology, Universiteit Utrecht**
I studied plant-mycorrhizal interactions under varying CO₂-conditions in Prof. Dr. Corné Pieterse's lab (Chapter 4).
- 2010 – 2011 **Master of Science in Biology (Distinction), Department of Zoology and Lincoln College, University of Oxford**
I graduated top of my programme and completed two independent research projects, one of which was later published.
- 2006 – 2010 **Bachelor of Science (*Cum laude*), Department of Biology and Department of Philosophy, Utrecht University**
I completed a major in Biology and a minor programme in Philosophy. I also completed the University-wide Honours Program and studied at the University of California Irvine for half a year.
- 2008 – 2009 **Minor in Political Science, Department of Political Science, Vrije Universiteit Amsterdam**
As part of my undergraduate degree, I completed a minor programme in Political Science at the VU, focusing on International Relations and Comparative Politics.

Publications

Werner, G.D.A. (2015) Q&A: Microbe cheerleader. Interview. *Nature*. 526: S58-S59

Werner, G.D.A., Cornwell, W.K., Cornelissen, J.H.C., Kiers, E.T. (2015). Evolutionary signals of symbiotic persistence in the legume–rhizobia mutualism. *Proc. Natl. Acad. Sci. USA*. Doi: 10.1073/pnas.1424030112

Werner, G.D.A., Kiers, E.T. (2015). Partner selection in the mycorrhizal mutualism. *New Phytologist*. 205: 1437–1442

Werner, G.D.A., Kiers, E.T. (2015). Order of arrival structures arbuscular mycorrhizal colonisation of plants. *New Phytologist*. 205: 1515-1524

Knecht, B., Jansa, J., Franken, O., Engelmoer D.J.P., **Werner, G.D.A.**, Bücking, H., Kiers, E.T. (2014). Host plant quality mediates competition between arbuscular mycorrhizal fungi. *Fungal Ecology*. Doi: 10.1016/j.funeco.2014.09.011

Werner, G.D.A., Cornwell, W.K., Sprent, J.I., Kattge, J. Kiers, E.T. (2014). A single evolutionary innovation drives the deep evolution of symbiotic N₂-fixation in angiosperms. *Nature Communications*. 5: 4087

Werner, G.D.A., Strassmann, J.E., Ivens, A.B.F., Engelmoer, D.J.P., Verbruggen, E., Queller, D.C., Noë, R., Johnson, N.C., Hammerstein, P., Kiers, E.T. (2014). Evolution of Microbial Markets. *Proc. Natl. Acad. Sci. USA*, 111(4): 1237–1244

Werner, G.D.A., Gemmell, P., Grosser, S., Hamer, S. and Shimeld, S. (2013). Analysis of a deep transcriptome from the mantle tissue of *Patella vulgata* Linnaeus (*Mollusca: Gastropoda: Patellidae*) reveals candidate biomineralising genes. *Marine Biotechnology*, 15(2): 230-243

Werner, G.D.A. and Kiers, E.T. (2012). Friends in Fungi. Letter to Editor. *Science*, 337: 1452

Grants, Awards and Prizes

2016 **Newton International Fellowship**. I was awarded a two-year Newton International Fellowship by the Royal Society, the British Academy and the Academy of Medical Sciences for my research proposal *The Deep History of Mutualistic Cooperation*.

2015 **Full grant to attend 65th Lindau Nobel Laureate Meetings**, Royal Netherlands Academy of Arts and Sciences (KNAW) and German Federal Ministry of Education and Research (BMBF).

2015 **First Prize NERN Best Paper Award 2015**. Netherlands Ecological Research Network (NERN).

- 2014 **Best Student Oral Presentation** at the Modern Phylogenetic Comparative Methods Conference, Estación Biológica de Doñana, Sevilla, Spain
- 2014 **Student Research Award, American Society of Naturalists.** Supporting my research proposal *Multifunctionality of Mutualistic Services: When to Specialise and Diversify on Biological Markets?* performed in the Department of Zoology, Oxford.
- 2013 **Award for Best IPCC Review, Netherlands Environmental Assessment Agency (PBL).** My team (2 PhD-students) was awarded the first place for best review of the Intergovernmental Panel on Climate Change's Fifth Assessment report (Working Group II) out of 90 invited international PhD-Students.
- 2011 **Graduate Prize, Lincoln College, University of Oxford.** I received the annual prize awarded by Lincoln College to postgraduate students who obtain a Distinction.
- 2011 **ABG VN Essay Prize 2011.** My essay 'Making people better...or making better people?' on the ethics of human enhancement was shortlisted for the annual ABG VN Essay Prize for young academics and published in the autumn 2011 issue of the Academic Book Guide (in Dutch).
- 2010 **Huygens Scholarship.** Full scholarship funding my MSc-degree at the University of Oxford.

Teaching and Organisation

- 2014 I lectured in the MSc-course *Evolution of Species Interactions* jointly organised by the VU and the University of Amsterdam (UvA).
- 2013 – 2015 I was co-organiser of the monthly lecture series *Nature of Life* in the Department of Ecological Science at the VU.
- 2012- 2015 I taught and supervised student research projects for the undergraduate course *Evolutionary Ecology and Behaviour* at the VU.
- 2012 – 2015 Supervision of six bachelor and master students' thesis research projects (all projects are now completed):
- 2009 Teaching Assistant, Undergraduate course in Molecular Genetics, Utrecht University

Conferences & Seminars

- June 2015 Selected participant in the 65th Lindau Nobel Laureate Meeting in Lindau, Germany
- April 2015 Invited participant NESCENT (National Evolutionary Synthesis Center) Meeting *Tempo and mode of plant trait evolution: synthesizing data from extant and extinct taxa*, in Durham, North Carolina, USA
- Feb. 2015 Contributed Talk: *Seedlings as empty islands: order of arrival structures arbuscular mycorrhizal colonisation of plants*, Netherlands Annual Ecology Meeting 2015
- Jan. 2015 Invited participant and speaker in the workshop ‘The Evolution of Nodulation’, Ludwig-Maximilians-Universität München, Germany, Talk title: *A single evolutionary innovation drives the deep evolution of symbiotic N₂-fixation in angiosperms*
- Nov. 2014 Contributed talk: *Hidden rates models reveal an ancient evolutionary precursor and elucidate the deep history of mutualism* Modern Phylogenetic Comparative Methods and their Applications in Evolutionary Biology Conference, Estación Biológica de Doñana, Sevilla, Spain
- Sep. 2014 Contributed talk: *Decoding the deep evolution of symbiotic nitrogen fixation* 11th European Nitrogen Fixation Conference in Tenerife, Spain.
- May 2014 Invited seminar: *A phylogenetic reconstruction of the evolution of plant root symbioses in deep time*. Department of Plant Sciences, University of Oxford.
- June 2013 Participant in the *Inclusive fitness and game theory* workshop. Université de Lausanne.
- April 2012 Invited talk and workshop: *Cohabitation and collaboration: cities in biology?* Interdisciplinary Congress Amsterdam, University of Amsterdam.
- Jan. 2012 Invited participant: *Cooperation in multi-partner settings: biological markets and social dilemmas* Netherlands Institute of Advanced Studies & Lorentz Centre, Leiden.

Affiliations co-authors

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Erik Verbruggen - Institut für Biologie, Plant Ecology, Freie Universität Berlin, Germany

Ronald Noë - Faculté de Psychologie, Université de Strasbourg et Ethologie Evolutive, Département Ecologie, Physiologie et Ethologie, Centre National de la Recherche Scientifique, Strasbourg, France and Netherlands Institute of Advanced Studies, Wassenaar, The Netherlands

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