

## Curriculum Vitae

### Eva van der Heijden

**Name:** Eva Sarah Maria van der Heijden

Date of birth: July 4th, 1994

Place of birth: Amsterdam

Nationality: Dutch



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#### Contact information

Email: ev346@cam.ac.uk

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#### Education and Academic Career

##### PhD in Zoology

2020 – 2024

**University of Cambridge, United Kingdom**

Topic: the evolution and development of wing colour patterns in tropical butterflies.

##### MSc in Evolutionary Biology

2016 – 2018

**MEME – Erasmus Mundus Master Programme in Evolutionary Biology**

*Joint programme of University of Groningen (Netherlands), Ludwig-Maximilians University of Munich (Germany), Uppsala University (Sweden), University of Montpellier (France) and Harvard University (USA)*

- **Uppsala University, Sweden (grade 5/5)**  
First semester of the MEME programme; courses in evolutionary patterns & processes
- **Ludwig-Maximilians University of Munich, Germany (grades 1.7 to 1.0 /1.0)**  
Second semester of the MEME programme; courses in genomics, statistics, behavioral ecology, analysis of high-throughput data and two research projects
- **Harvard University, the United States of America (grade 1.0/1.0)**  
Third semester of the MEME programme; 1<sup>st</sup> Master's thesis
- **Uppsala University, Sweden (grade pass (pass or fail))**  
Fourth semester of the MEME programme; 2<sup>nd</sup> Master's thesis

##### Bachelor of Liberal Arts and Sciences (*summa cum laude*)

2012 – 2015

**Amsterdam University College – Liberal arts and sciences**

*Joint institute of University of Amsterdam and VU University Amsterdam (Netherlands)*

Thesis (Highest Distinction, lab of Prof. Dr. R.E. Koes, University of Amsterdam):

*Unravelling genetic pathways controlling membrane trafficking and the formation of a new endomembrane compartment in Petunia: analysis of genes regulated by the transcription factors AN1, PH3 and PH4.*

Published in: AUC Undergraduate Journal, July 2015

##### Secondary Education Gymnasium (*cum laude*)

2006 – 2012

**Sint Vituscollege, Bussum, The Netherlands**

**Subjects:** Dutch, English, French, Greek, History, Mathematics, Chemistry, Physics, Biology

**Research paper:** "The Mayan Calendar deciphered – mathematics and the Maya's"

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**Research, field and lab experience**

**Fellowship**

**January-May 2020**

**Smithsonian Tropical Research Institute, Gamboa, Panama**

*Molecular genetics and genomics, evolutionary biology, biodiversity; Dr. Owen McMillan*

Regulation of the cortex-gene leading to the presence of a yellow hindwing bar in *Heliconius*

**Research Assistant**

**September-December 2019**

**University of Cambridge, Cambridge, United Kingdom**

*Department of Zoology, Butterfly genetics; Prof. Dr. Chris Jiggins*

Identification and imaging of *Heliconius* butterflies

**Research and Field Assistant**

**November 2018-June 2019**

**Macquarie University, Sydney, Australia**

*Department of Biological Sciences, Avian behavioural ecology; Prof. Dr. Simon Griffith*

Fieldwork at Fowlers Gap Research Station (zebra finch communication) and the Kimberley (long-tailed finch speciation), laboratory work and bird acoustics in Sydney (long-tailed and zebra finches)

**Master Researcher**

**March-October 2018**

**Uppsala University, Uppsala, Sweden**

*Department of Ecology and Genetics, Animal ecology; Prof. Dr. Anna Qvarnström*

Master thesis: the mitochondrial genome, climate adaptation and speciation in *Ficedula* flycatchers

**Master Researcher**

**September 2017-February 2018**

**Harvard University, Boston, the USA** (external from LMU Munich with Prof. Dr. Gompel)

*Department of Organismic and Evolutionary Biology; Prof. Dr. Cassandra Extavour*

Master thesis: *ex vivo* live imaging of ovariole development in *Drosophila melanogaster*

**Master Researcher**

**April-August 2017**

**Ludwig-Maximilians University, Munich, Germany**

*Department of Evolutionary Biology, Evolutionary and ecological genetics; Prof. Dr. Jochen Wolf*

Analysis of unmapped sequencing reads leading to information on the microbiome in *Corvus*

**Master Researcher and HiWi (Research Assistant)**

**February-July 2017**

**Ludwig-Maximilians University, Munich, Germany**

*Department of Evolutionary Ecology, Evolution and development; Prof. Dr. Nicolas Gompel*

Genetic origin of trait diversification and evolution of phenotypes in *Drosophila*

**Research and Conservation volunteer**

**August-November 2015**

**CREES Foundation - Manu Biosphere Reserve, Peru**

Amazon rainforest conservation and biodiversity research

**Bachelor Researcher**

**February-June 2015**

**University of Amsterdam, Amsterdam, The Netherlands**

*Zwammerdam Institute for Life Sciences, Plant development and (epi)genetics; Prof. Dr. Ronald Koes*

Bachelor thesis: RNA analysis in *Petunia*

**Research, field and lab experience****Lab Internship****July-August 2014****Karolinska Institutet, Huddinge, Sweden***Department of laboratory medicine, Division of pathology; Prof. Dr. Gorän Andersson*Lab work for research to adipose cells

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**Activities and Leadership Experience**

<b>Tutoring secondary school children</b>	PIOS	<b>2016</b>
<b>Tutoring secondary school children</b>	StudentsPlus	<b>2013-2016</b>
<b>Board member finance and administration (treasurer)</b>		<b>2013-2015</b>
Amsterdamse Studenten Scherm Vereniging Esprit (fencing club)		
<b>Leader of the stage design team</b>	Sint Vituscollege, Bussum	<b>2006-2012</b>
Scenic design of ceremonies, school plays and school talent shows		

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**Awarded scholarships and nominations**

NERC DTP studentship; University of Cambridge (university fees)	2020-2024
St John's College studentship; University of Cambridge (£7643x3)	2020-2024
Balfour studentship zoology; University of Cambridge (£7642x3)	2020-2024
Fellowship at Smithsonian Tropical Research Institute; Gamboa, Panama (\$3000,-)	2019-2020
Nominated for 'AUC student of the year'; Amsterdam, Netherlands	2014-2015

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**List of publications***In preparation (so not published):*Van der Heijden ESM, McFarlane Eryn, Van der Valk Tom, Qvarnström Anna. Divergent mitochondrial and nuclear OXPHOS genes are candidates for genetic incompatibilities in *Ficedula* Flycatchers.

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**Languages**

Dutch:	native language
English:	good
French, German:	intermediate
Swedish, Spanish:	beginner

**Interests, sports**

Travelling  
Fencing  
Scuba diving (Padi certified)  
Reading, puzzles, skiing, snowboarding

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