Dr. DUPLOUY, Anne M. R. ***Curriculum vitae***

1. Personal details

Date of birth: 18th April 1981
Citizenship: French

ORCID: 0000-0002-7147-5199
Web page: www.anneduplouy.net

2. Education and degrees completed

2015. *Adjunct Prof.* in Eco-Evolutionary Biology, University of Helsinki, Finland
2010. *Ph.D.*, The University of Queensland, Brisbane, Australia
2004. *Maîtrise*, University of Reunion Island, St Denis, France
2003. *License*, University of Rennes1, Rennes, France

3. Current position

2018-20. PI - Marie-Sklodowska Curie Research Fellow, Lund University, Sweden
Symbiosis, Ecology and Evolution, Phylogenetics, Genomics - 100% research

4. Previous work experience

2017-18. Senior postdoctoral researcher, University of Helsinki, Finland
Life-history Evolution, Microbiology – 90% research, 10% teaching

2013-17. PI - Academy of Finland Postdoc**,** University of Helsinki, Finland
Ecology and Evolution, Symbiosis – 90% research, 10% teaching

2010-13. Postdoctoral researcher, University of Helsinki, Finland
Population Ecology and Evolution, Molecular Biology – 90% research, 10% teaching

2004-07. Research assistant, Gump Research station, French Polynesia, France
Field work, Experiments in semi-natural conditions, Molecular Biology - 100% research

Short mobility research visits

2014: Visiting researcher at the Portland State University, Oregon, USA (1month)
2013-15. Visiting researcher at the Vienna Medical University, Austria (3x1month)
2009. Visiting student at the University of Lyon1, CNRS, France (3months)
2007. Research trainee, Moorea BioCode, the Gump Research Station, The University of California Berkeley, Moorea, French Polynesia, France (full year)
2004. Visiting student at Délégation à la Recherche, Tahiti, France (3months)

Research expeditions

2015. Butterfly field collection, Saaremaa Island, Estonia (1 week)
2014. Conservation Research Associate, the Oregon Zoo, Portland, USA (1 month)
2013. Dung beetle research expedition, Borneo, Malaysia (3 weeks)
2008. Insect field collection, Moorea Island, French Polynesia, France (6 months)
2006. Butterfly field collections, French Polynesia, France (3 weeks)
2004. Endemic plant survey, Tahiti Island, French Polynesia, France (3 months)
2003. Sea urchin survey, Reunion Island, France (3 months)

5. Career break

2015-16. Maternity leave (11months)

6. Personal research funding and grants

Current funding

2018-20. Marie Sklodowska-Curie Individual Fellowship (186,000€, research, PI)

Main past grants

2013-17. Academy of Finland Postdoc Grant (302,000€, research, PI)
2014-17. Erkko Foundation Grant (350,000€, research, 5 PIs)
2016. Ella & Georg Ehrnrooth Foundation Grant (5,000€ for conference org)
MRC & CoE.BioInt Conference Organization Grants (2,000€ for conference)
2015. The Genetic Society Training Grant & Hereditary Fieldwork Grant
2014. The EMBO short-term Fellowship (2,000€ for mobility)
Kommerserådet Otto A. Malms Donationfond (5,000€ for research)
Societas Entomologica Helsingforsiensis Fund (1,000€ for research)
2011. The University of Helsinki Chancellor Travel Grant
2008-10. The University of Queensland Confirmation Scholarship (40,000€ Scholarship)
NSF Grant Conference Support Award
2007. The Genetic Society Training Grant & Hereditary Fieldwork Grant (2,000€)
Sigma Xi Grants-in-Aids of Research Program

7. Leadership and supervision experience

2018-20. Student yet unknown – Master – Lund University, Sweden (Role: Supervisor)
2013-17. *A. Truitt* - PhD- Portland State University, USA (Co-Supervisor)
2017. *M. Lähteenaro* - Undergrad - University of Helsinki (Supervisor)
Z. Simko - Professional trainee - University of Helsinki (Supervisor)
2016. *M. Kohonen* - Undergrad - University of Helsinki (Supervisor)
K. Pylsy - Professional trainee - University of Helsinki (Supervisor)
2015. *S. Kadali* - Master - University of Helsinki (Co-supervisor)
S. Péterfi - Professional trainee - University of Helsinki (Supervisor)

8. Teaching experience

2012-17. Lecturer, *Conservation biology,* University of Helsinki (Master level)
2014-16. Lecturer, *Molecular Ecology*, University of Helsinki (Master)
2012-13. Course coordinator, *Conservation biology,* University of Helsinki (Master)
2010-13. Tutor, *Conservation biology*, University of Helsinki (Master)
2011. Lecturer, *Butterfly field survey*, University of Helsinki (Undergrad)
2008-10. Tutor, *Field Ecology & Genetics*, University of Queensland (Undergrad)

Pedagogical competences

2014-17. University pedagogy courses, Center for Research and Development of Higher Education, University of Helsinki, Finland: "*Teaching and Learning in Higher Education*", "*Development of teaching and practical training*","*Academic supervising*".

9. Experience of organising scientific meetings

2019. Scientific board member – *ESEB*, Turku, Finland (>1,500 participants)
2018. Symposium chair - *8th Biology of Butterflies Conference*, Bangalore (200)
2016. Main organizer - *2nd Finnish Molecular Ecology Symposium*, Helsinki (100)
2016. Main organizer - *Adaptation to Thermal Stress Internal Seminar*, Helsinki (50)
2014. Symposium chair - *7th Biology of Butterflies Conference*, Turku (200)
2011. Organization team - *Adaptation to climate workshop*, Lammi, Finland (100)

10. Other key scientific or academic merits

Trusted referee work

2018-. Academic editor for *PLoS One*
2018. Trusted examiner for Master degree, Griffith University, Brisbane, Australia
2016-18. Trusted expert reviewer for the National Research Agency (ANR), France
2013-. Academic reviewer for *Journal of Evolutionary Biology, Molecular Ecology, Biology Letters, OIKOS, BMC Evolutionary Biology, Scientific Reports, PLoS ONE, Journal of Animal Ecology, Journal of Biogeography, Ecological Entomology, Biological Journal of the Linnean Society, Insect Science, Zoological Journal of the Linnean Society,* and others (See full list on: https://publons.com/author/313439/anne-duplouy#profile).

Invited international lectures

I was invited to give scientific presentations at several European Universities:
2018. Stockholm University, Sweden
2017. Lund University, Sweden
Reykjavík University, Iceland
2015. University of Montpellier, France
Stockholm University, Sweden
2014. University of Helsinki, Finland
2013. Medical University of Vienna, Austria
2011. University of Helsinki, Finland
2009. University of Liverpool, UK

Scientific Presentations

I participated to over 20 international conferences (mostly talks).

Science communication and Outreach

2018. *OEB goes VappuShokkelo*, *Skype a scientist*, *School of Batman* podcast
Earlier. E*arth Optimism*, *Letters to a pre-scientist*, *Science goes kindergarten*.

My work was previously highlighted in the media (eg. 2016: Inside JEB; 2013: ScienceNordic news, EarthTimes news, Norwegian science news).

I am highly active on twitter (personal: @duplouy_anne, Dpt: @OEB_Helsinki, until 2018)

11. Memberships

2007-. Member of the *Genetic Society*, UK
2014. Member of the *Societas Entomologica Helsingforsiensis*, Finland

11. List of publications

I have published 26 peer-reviewed publications (and one currently in review).
Total number of citations: 576 (without self-citations: 400).
H-index = 12 (source: *Google Scholar*)

Below, highlighted within salmon boxes are my articles published without my *Ph.D.* supervisors (N=14), while "*" labels articles for which I am the corresponding author.

1) ***Duplouy A**, Minard G, Lähteenaro M, Rytteri S & Saastamoinen M (In Press) Silk properties and overwinter survival in gregarious butterfly larvae. *Ecology & Evolution*.

2) **Duplouy A** and Hornett E (2018) Uncovering the hidden players in Lepidoptera biology:

The heritable microbial endosymbionts. *Peer-J* **6**:e4629. doi:10.7717/peerj.4629

3) ***Duplouy A** and Brattström O (2018) *Wolbachia* in the genus *Bicyclus*: a forgotten player. *Microbial Ecology* **75**:255–263. doi:10.1007/s00248-017-1024-9

4) ***Duplouy A**, Woestmann L, Gallego-Zamorano J and Saastamoinen M (2018) Impact of male condition on his spermatophore and consequences for female reproductive performance in the Glanville fritillary butterfly. *Insect Science* **25**(2):284-296. doi:10.1111/1744-7917.12424

5) ***Duplouy A**, Wong SC, Corander J, Lehtonen R and Hanski I (2017) Genetic effects on life-history traits in the Glanville fritillary butterfly. *Peer-J* **5**:e3371. doi:10.7717/peerj.3371

6) Ramage T, Martins-Simoes P, Mialdea G, Allemand R, **Duplouy A**, Rousse P, Davies N, Roderick GK and Charlat S (2017) Host diversity in the SymbioCode system: a DNA barcode-based survey of terrestrial arthropods in the Society Islands of French Polynesia. *European Journal of Taxonomy* **272**:1-13. doi:10.5852/ejt.2017.272

7) *van Nouhuys S, Kohonen M and **Duplouy A** (2016) *Wolbachia* increases the susceptibility of a parasitoid wasp to hyperparasitism. *The Journal of Experimental Biology* **219**:2984-90. doi:10.1242/jeb.140699

8) ***Duplouy A** and Hanski I (2015) Small spermatophore size and reduced female fitness in an isolated butterfly population. *Ecological Entomology* **40**(2):167-174. doi:10.1111/een.12172

9) ***Duplouy A**, Couchoux C, Hanski I and van Nouhuys S (2015) *Wolbachia* infection in a natural parasitoid wasp population. *PLoS One* **10**(8):e0134843. doi:10.1371/journal.pone.0134843

10) Ahola V, Lehtonen R, Somervuo P, Salmela L, Koskinen P, Rastas P, Niko V, Paulin L, Kvist J, Wahlberg N, Tanskanen J, Hornett E, Ferguson L, Luo S, Cao Z, de Jong M, **Duplouy A**, Smolander O-P, […], Goldsmith M, Holm L, Auvinen P, Frilander M, and Hanski I (2014) The Glanville fritillary genome retains an ancient karyotype and reveals selective chromosomal fusions in Lepidoptera. *Nature Communications* **5**:4737. doi:10.1038/ncomms5737

11) Sumervuo P, Kvist J, Ikonen S, Auvinen P, Paulin L, Koskinen P, Holm L, Taipale M, **Duplouy A**, Ruokolainen A, Saarnio S, Siren J, Kohonen J, Corander J, Frilander MJ, Ahola V and Hanski I (2014) Transcriptome analysis reveals signature of adaptation to landscape fragmentation. *PLoS One* **9**(7):e101467. doi:10.1371/journal.pone.0101467

12) **Duplouy A**, Iturbe-Ormaetxe I, Beatson SA, Szubert JM, Brownlie JC, McMeniman CJ, McGraw EA, Hurst GDD, Charlat S, O'Neill SL and Woolfit M (2013) Draft genome sequence of the male-killing *Wolbachia* strain *w*Bol1 reveals recent horizontal gene transfers from diverse sources. *BMC Genomics* **14**:20. doi:10.1186/1471-2164-14-20

13) ***Duplouy A**, Ikonen S and Hanski I (2013) Life-history of the Glanville fritillary butterfly in fragmented versus continuous landscapes. *Ecology and Evolution* **3**(16): 5141-5156. doi:10.1002/ece3.885

14) ***Duplouy A** and Hanski I (2013) Butterfly survival on an isolated island by improved grip. *Biology Letters* **9**(2):20130020. doi:10.1098/rsbl.2013.0020

15) Mattila AL, **Duplouy A**, Kirjokangas M, Lehtonen R, Hanski I (2012) High genetic load in an old isolated butterfly population. *Proc. Nat. Acad. Sci. USA* **109**(37):e2496-505. doi:10.1073/pnas.1205789109

16) *Martinez J & **Duplouy A** (shared first authors), Woolfit M, Vavre F, O'Neill SL and Varaldi J (2012) Influence of the virus LbFV and of *Wolbachia* in a host-parasitoid interaction. *PLoS One* **7**(4):e35081. doi:10.1371/journal.pone.0035081

17) Iturbe-Ormatexe I, Woolfit M, Rancès E, **Duplouy A**, O'Neill SL (2011) A simple protocol to obtain highly pure *Wolbachia* endosymbiont DNA for genome sequencing. *Journal of Microbiology Methods* **84**(1):134-136. doi:10.1016/j.mimet.2010.10.019

18) ***Duplouy A**, Hurst GDD, O'Neill SL and Charlat S (2010) Rapid spread of a male-killing *Wolbachia* in the butterfly *Hypolimnas bolina*. *Journal of Evolutionary Biology* **23**(1): 231-235. doi:10.1111/j.1420-9101.2009.01891.x

19) Charlat S, **Duplouy A**, Hornett EA, Dyson EA, Davies N, Roderick GK, Wedell N and Hurst GDD (2009) The joint evolutionary histories of *Wolbachia* and mitochondria in *Hypolimnas bolina*. *BMC Evolutionary Biology* **9**:64. doi:10.1186/1471-2148-9-64

20) ***Duplouy A**, Vermenot C, Davies N, Roderick GK, Hurst GDD and Charlat S (2009) Assessing risks of *Wolbachia* DNA cross-specimens contamination following mass collection and ethanol storage. *Molecular Ecology Resources* **9**:46-50. doi:10.1111/j.1755-0998.2008.02421.x

21) Hornett EA, **Duplouy A**, Davies N, Roderick GK, Wedell N, Hurst GDD and Charlat S (2008) You can't keep a good parasite down: evolution of a male-killer suppressor uncovers cytoplasmic incompatibility. *Evolution* **62**(5):1258-1263. doi:10.1111/j.1558-5646.2008.00353.x

22) Charlat S, Reuter M, Dyson EA, Hornett EA, **Duplouy A**, Davies N, Roderick GK, Wedell N and Hurst GDD (2007) Male-killing bacteria trigger a cycle of increasing male fatigue and female promiscuity. *Current Biology* **17**:273-277. doi:10.1016/j.cub.2006.11.068

23) Meyer J-Y, **Duplouy A** and Taputuarai R (2007) Population dynamics of the endemic tree *Myrsine longifolia* (Myrsinaceae) in forests of Tahiti (French Polynesia) invaded by *Miconia calvescens* (Melastomataceae) after the introduction of a biocontrol fungal pathogen: first investigations. *Revue Ecologie (Terre Vie)* **62**:17-33. (in French)

24) Charlat S, Engelstädter J, Dyson EA, Hornett EA, **Duplouy A**, Tortosa P, Davies N, Roderick GK, Wedell N and Hurst GDD (2006) Competing selfish genetic elements in the butterfly *Hypolimnas bolina*. *Current Biology* **16**:2453-2458. doi:10.1016/j.cub.2006.10.062

25) Hornett EA, Charlat S, **Duplouy A**, Davies N, Roderick GK, Wedell N and Hurst GDD (2006) Evolution of male killer suppression in a natural population. *PLoS Biology* **4**:e283. doi:10.1371/journal.pbio.0040283

Book Chapter

26) **Duplouy A** & O'Neill SL (2010) Male-killing *Wolbachia* in the butterfly *Hypolimnas bolina*. In Pontarotti P (Ed.): Evolutionary Biology - Concepts, Molecular and Morphological Evolution. 1st Edition, XIV, Springer-Verlag Berlin Heidelberg, 363p.

Research monographs

2 Monographs: (2007) *M.Sc* & (2010) *Ph.D. theses*