

# CURRICULUM VITAE - DR. OSKAR BRATTSTRÖM

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## CONTACT INFORMATION

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Flat 68, Marque House  
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### Work address:

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University of Cambridge, Downing Street  
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## EDUCATION

2002 – 2007 Doctor of Philosophy (Animal Ecology): Lund University, Sweden. Thesis title: Ecology of red admiral migration. (Diploma awarded 22 Jan 2008)  
2002 Gothenburg University, Sweden: Further studies in Marine ecology  
1994 – 2000 M. Sc. in Biology: Lund University, Sweden

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## EMPLOYMENT HISTORY

2011 – current Postdoctoral research associate, Dept. of Zoology, Cambridge University, UK  
2009 – 2010 Independent Postdoctoral fellowship at Evolutionary Biology Group, Leiden University, The Netherlands  
2008 Project assistant, Dept. of Animal Ecology, Lund University, Sweden  
1999 – 2002 Secondary school teacher in Natural Sciences and Maths at Vannahögskolan and Centralskolan, Southern Sweden

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## IMPORTANT ASSIGNMENTS

2014 – present Postdoc committee member: Zoology Department, Cambridge, UK  
2011 – 2015 Main organiser: Behaviour, Ecology & Evolution seminar series, Zoology Department, Cambridge University, UK (15-20 invited lecturers per year)  
2005 – 2007 PhD representative: Board for Animal Ecology, Lund University  
2005 Assistant organiser: Conservation biology exchange course between APLORI, Jos University, Nigeria and Lund University, Sweden

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## TEACHING EXPERIENCE

2016 – present Teaching accreditation via Teaching Associates' Program, Cambridge, UK  
2012 – present Teaching assistant: 1A, Evolution and Behaviour, Cambridge, UK  
2011 – present Assistant supervisor: Day-to-day research coordinator for graduate and undergraduate students, Brakefield lab, Cambridge University, UK  
2011 – 2014 Main organiser: Behaviour, Ecology & Evolution seminar series, Zoology Department, Cambridge University, UK (15-20 invited lecturers per year)  
2010 Assistant supervisor: Day-to-day research coordinator for MSc Student, Leiden University, The Netherlands  
2008 – present Primary supervisor: MSc Students, APLORI, Jos University, Nigeria  
2007 – present Visiting lecturer: MSc. program, APLORI, Jos University, Nigeria  
2005 Assistant organiser: Conservation biology exchange course between APLORI, Jos University, Nigeria and Lund University, Sweden  
2002 – 2007 Teaching assistant: Excursions, Projects & Seminars, Lund University, Sweden  
1999 – 2002 Secondary school teacher: Natural sciences and maths, Trelleborg and Staffanstorps, Sweden

## CURRICULUM VITAE - DR. OSKAR BRATTSTRÖM

### PEER-REVIEWED ARTICLES

- Aduse-Poku K, Brakefield PM, Wahlberg N & **Brattström O**. 2016. Expanded molecular phylogeny of the genus *Bicyclus* (Lepidoptera: Nymphalidae) shows the importance of increased sampling for detecting semi-cryptic species and highlights potentials for future studies. *Syst Biodivers.* (Online early, doi:10.1080/14772000.2016.1226979).
- Sáfián S, Pycrz T & **Brattström O**. 2016. Description of two new species of *Bebearia* from western Nigeria (Lepidoptera: Nymphalidae: Limenitinae). *Zootaxa*, **4175(5)**, 449-462.
- van Velzen, R., Collins, S.C., **Brattström, O.**, & Congdon, T.C.E. 2016. Description of a new *Cymothoe* Hübner, 1819 from northern Mozambique (Lepidoptera: Nymphalidae: Limenitidinae). *Metamorphosis*, **27**: 34-41.
- Bacquet PMB, de Jong MA, **Brattström O**, Wang H-L, Molleman F, Heuskin S, Lognay G, Löfstedt C, Brakefield PM, Vanderpoorten A & Nieberding CM. 2016. Differentiation in putative male sex pheromone components across and within populations of the African butterfly *Bicyclus anynana* as a potential driver of reproductive isolation. *Ecol Evol.* **6(17)**, 6064-6084. (doi:10.1002/ece3.2298).
- Aduse-Poku K, Lees DC, **Brattström O**, Kodandaramaiah U, Collins SC, Wahlberg N & Brakefield PM. 2016. Molecular phylogeny and generic-level taxonomy of the widespread palaeotropical 'Heteropsis clade' (Nymphalidae: Satyrinae: Mycalesina). *Syst Entomol.* **41(4)**, 717-731. (doi:10.1111/syen.12183).
- van Bergen E, Barlow HS, **Brattström O**, Griffiths H, Kodandaramaiah U, Osborne CP & Brakefield PM. 2016. The stable isotope ecology of mycalesine butterflies: implications for plant-insect co-evolution. *Funct Ecol.* (Online early, doi:10.1111/1365-2435.12673).
- Timmermans MJ, Lees DC, Thompson MJ, Sáfián S & **Brattström O**. 2016. Mitogenomics of 'Old World *Acraea*' butterflies reveals a highly divergent 'Bematistes'. *Mol Phylogenet Evol*, **97**, 233-241. (doi: 10.1016/j.ymp.2015.12.009).
- Brattström O**, Aduse-Poku K, Collins SC, Di Micco de Santo T & Brakefield PM. 2016. Revision of the *Bicyclus sciathis* species-group (Lepidoptera: Nymphalidae) with descriptions of four new species and corrected distributional records. *Syst Entomol*, **41**, 207-228. (doi:10.1111/syen.12150).
- Brattström O**, Aduse-Poku K, Collins SC & Brakefield PM. 2015. Revision of the *Bicyclus ignobilis* species-group (Lepidoptera: Nymphalidae: Satyrinae) with descriptions of two new species. *Zootaxa*, **4018**, 57-79. (doi:10.11646/zootaxa.4018.1.3).
- Aduse-Poku K, **Brattström O**, Kodandaramaiah U, Lees DC, Brakefield PM & Wahlberg N. 2015. Systematics and historical biogeography of the Old World butterfly subtribe Mycalesina (Lepidoptera: Nymphalidae: Satyrinae). *BMC Evol Biol*, **15**: 167. (doi:10.1186/s12862-015-0449-3).
- Tropek R, Leština D, Janšta P, **Brattström O**, Espeland M & Sáfián S. 2015. First records of *Hypolycaena anara* Larsen, 1986 from Cameroon (Lepidoptera: Lycaenidae). *SHILAP Revta. lepid.* **43**, 235-239.
- Bacquet PMB\*, **Brattström O\***, Wang H-L, Allen CE, Löfstedt C, Brakefield PM & Nieberding CM. 2015. Selection on male sex pheromone composition contributes to butterfly reproductive isolation. *P R Soc B*, **282**: 20142734. (doi: 10.1098/rspb.2014.2734). (\* co-first authors)
- Hedenström E, Wallin EA, Andersson J, Bång J, Wang H-L, Löfstedt C, **Brattström O** & Bacquet PMB. 2015. Stereoisomeric Analysis of 6,10,14-Trimethylpentadecan-2-ol and the Corresponding Ketone in Wing Extracts from African *Bicyclus* Butterfly Species. *J Chem Ecol*, **41**, 44-51. (doi: 10.1007/s10886-014-0539-5)
- Brattström O**, Mey W, de Vos R & Brakefield PM. 2014. A century old mistake set right, the identities of *Mydosama marginata* and *Mydosama pitana* pinned down. *Trop Lep Res*, **24**, 96-101.
- Wang H-L, **Brattström O**, Brakefield PM, Francke W & Löfstedt C. 2014. Identification and biosynthesis of novel male specific esters in the wings of the tropical butterfly, *Bicyclus martius sanaos*. *J Chem Ecol*, **40**, 549-559. (doi: 10.1007/s10886-014-0452-y).
- Oostra V, Brakefield PM, Hiltemann Y, Zwaan BJ & **Brattström O**. 2014. On the fate of seasonally plastic traits in a rainforest butterfly under relaxed selection. *Ecol Evol*, **4**, 2654-2667. (doi: 10.1002/ece3.1114)
- Brattström O**. 2012. *Bicyclus brakefieldi* (Nymphalidae, Satyrinae), a new species of *Bicyclus* from the Congo River basin. *Trop Lep Res*, **22**, 62-65.

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- Nazari V, Larsen TB, Lees DC, **Brattström O**, Bouyer T, Van de Poel G & Hebert PDN. 2011. Phylogenetic systematics of *Colotis* and associated genera (Lepidoptera: Pieridae): evolutionary and taxonomic implications. *J Zool Syst Evol Res*, **49**, 204-215. (doi: 10.1111/j.1439-0469.2011.00620.x).
- Brattström O**, Åkesson S & Bensch S. 2010. AFLP reveals cryptic population structure in European red admirals (*Vanessa atalanta*). *Ecol Entomol*, **35**, 248-252. (doi: 10.1111/j.1365-2311.2009.01163.x).
- Brattström O**, Bensch S, Wassenaar LI, Hobson KA & Åkesson S. 2010. Understanding migration ecology of European red admirals (*Vanessa atalanta*) using stable hydrogen isotopes. *Ecography*, **33**, 720-729. (doi: 10.1111/j.1600-0587.2009.05748.x).
- Brattström O**, Wassenaar LI, Hobson KA & Åkesson S. 2008. Placing butterflies on the map – testing the regional geographical resolution of three stable isotopes in Sweden using a monofagous Nymphalid, the Peacock (*Inachis io*). *Ecography*, **31**, 490-498. (doi: 10.1111/j.2008.0906-7590.05267.x).
- Brattström O**, Kjellén N, Alerstam T & Åkesson S. 2008. Effects of wind and weather on red admiral (*Vanessa atalanta*) migration at a coastal site in southern Sweden. *Anim Behav*, **76**, 335-344. (doi: 10.1016/j.anbehav.2008.02.011).
- Brattström O**. 2006. Is there seasonal variation in size and mass of Red Admirals *Vanessa atalanta* on Capri, Italy? *Ornis Svecica*, **16**, 69-73.

### OTHER ACADEMIC ARTICLES

- Brattström O**. 2004. Flyttande dagfjärilar. *Insekt-nytt*. 29, 25-32.

### OTHER ACADEMIC WORKS

#### Environmental monitoring reports

- Brattström O**. 2010. Butterflies at Sapu National Park. *Report for Liberia Forestry Development Authority & Flora and Fauna International*.
- Brattström O**. 2010. Butterflies of Yankari. *Report for APLORI/Bauchi State, Nigeria*.
- Brattström O**. 2009. Butterflies at Afi Mountains WS. *Report for Cross River State Forestry Commission, Nigeria*.
- Brattström O**. 2009. Butterflies in Ologbo Forest. *Report for Presco Plc, Nigeria*.
- Brattström O**. 2008. Results from a butterfly survey around Bashu, Southern Okwangwo Division of Cross River NP, Nigeria. *Report for Cross River State Forestry Commission, Nigeria*.

#### Theses

- Brattström O**. 2007. Ecology of red admiral migration. *Doctoral thesis, Lund University, Sweden*.
- Brattström O**. 2000. Sun compass orientation in migrating red admirals *Vanessa atalanta*: Effect of clock-shift experiments. *Honour's thesis, Lund University, Sweden*.

#### Conference papers

- Brattström O**, Wang H-L, Aduse-Poku K, Kodandaramaiah U, Lees D, Wahlberg N, Löfstedt C & Brakefield PM. 2014. Evolutionary patterns of male sexual characters across *Mycalesina* butterflies. Talk presented at International Conference of Butterfly Biology, Turku, Finland.
- Brattström O**, Bacquet PMB, Wang H-L, Brakefield PM, Löfstedt C & Nieberding CM. 2011. Diversity of androconial structures and male-specific chemicals in *Bicyclus* butterflies and their role in pheromone communication. Talk presented at Workshop on Lepidoptera Research in the Afrotropical region, Cape Coast, Ghana.
- Brattström O**, Bacquet PMB, Wang H-L, Brakefield PM, Löfstedt C & Nieberding CM. 2010. Diversity of pheromones and male androconia in *Bicyclus* butterflies. Talk presented at International Conference of Butterfly Biology, Edmonton, Canada.
- Brattström O** & Åkesson S. 2005. Genetic tracking of Red Admiral migration routes. Talk presented at Royal Institute of Navigation meeting, Reading, UK.

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## EXPERIENCE AS A SUPERVISOR

As part of my senior postdoctoral role in my current research group at Cambridge University, UK, I have assisted in the day-to-day supervision of four PhDs, two master's and one undergraduate project student over the last five years.

Two of the PhD students have completed their projects at the time of writing:

- Dr. Kwaku Aduse-Poku, admitted in 2011 and defended his thesis successfully in 2015 (currently a PostDoc at City University of New York).
- Dr. Erik van Bergen, admitted in 2011 and defended his thesis successfully in 2015 (currently a PostDoc at Instituto Gulbenikan de Ciência, Lisbon, Portugal).

I have co-supervised two master's students throughout their complete projects (Leiden University, The Netherlands and Jos University, Nigeria) and I am currently the main supervisor for one master's student at Jos University, Nigeria.

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## RESEARCH AND TEACHING EXPERIENCE

### CONSERVATION WORK

Projects where I have been involved in biodiversity-monitoring and habitat quality assessments of butterfly communities. The official reports can be downloaded at <http://www.bicyclus.se>

#### NIGERIA

- Amurum Forest and Kurra Falls (A.P. Leventis Ornithological Research Institute – APLORI)
- Yankari Game Reserve (APLORI, Bauchi State Government)
- Ologbo Forest (Presco Plc.)
- Omo Forest Reserve (Pro-Natura International, Nigerian Conservation Society – NCF)
- Obudu (APLORI, NCF, Wildlife Conservation Society – WCS)
- Ngel-Nyakai (Nigerian Montane Forest Project Group)
- Bashu (APLORI, WCS, Forestry Commission Cross River State, Nigeria)
- Afi Mountains (Pandrillus and Forestry Commission CRS, Nigeria)
- Rhoko Community Forest (CERCOPAN and Forestry Commission CRS, Nigeria)
- Ibadan (International Institute of Tropical Agriculture – IITA)

#### LIBERIA

- Sapu National Park (Flora & Fauna International – FFI)

### RESEARCH EXPEDITIONS

2016 Jan	Field studies in Nigeria
2014 Oct – Nov	Field studies in Madagascar
2013 Jul	Field studies in Uganda
2012 Jun	Field studies in Kenya
2012 Feb	Field studies in South Africa
2011 May – Jun / Nov	Field studies in Nigeria and Ghana (2 expeditions)
2010 Mar – Apr / Nov	Field studies in Nigeria (2 expeditions)
2009 Nov – Dec	Field studies in Liberia and Nigeria
2009 Sep – Oct	Field studies in Uganda
2009 Feb – Apr / Jun – Jul	Field studies in Nigeria and Ghana (2 expeditions)
2008 Mar – Apr / Sep – Dec	Field studies in Nigeria (2 expeditions)
2007 Oct – Nov	Field studies in Nigeria
2006 Jan – Feb / Oct – Dec	Field studies in Nigeria (2 expeditions)
2005 Feb – Mar	Field studies in Nigeria

### CURATORIAL WORK AND COLLECTION EXPERIENCE

Since 2012 I have been leading and coordinating re-curation projects of *Mycalesina* butterflies at several important museum collections such as the African Butterfly Research Institute (Nairobi, Kenya), Berlin Natural History Museum (Germany) and Naturalis – Leiden (Holland). I also work with the collections in the Natural History Museums in Cambridge, London, Oxford, Stockholm, Tervuren and Vienna.

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## ASSIGNMENTS AS EDITOR & REFEREE

- I have acted as referee for the following journals: Animal Behaviour, BMC Evolutionary Biology, Biology Letters, Ecological Entomology, Proceedings of the Royal Society B, Research on Tropical Lepidoptera, Systematic Entomology, Turkish Journal of Zoology, Zookeys, Zootaxa.
  - Member of the Editorial board for Metamorphosis.
  - I have acted as external grant reviewer for National Science Foundation (NSF), USA
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## ACADEMIC SOCIETIES

Fellow of The Linnean Society, London since 2014.

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## RESEARCH GRANTS (ALL AS PRINCIPAL APPLICANT)

Over the last six years I have been employed by an advanced ERC grant given to Prof. Paul M. Brakefield (grant no. 250325 (EMARE5)). As this grant has been able to cover fund all the research we have done since 2011 there have been no need for me to apply for any additional funding. During my PhD studies and my early postdoc career I was awarded a range of grants to cover field work costs and salaries. All these grants are listed below.

2010 Jun Helge Ax:son Johnson's Foundation, grant for studies of African butterflies (65.000 SEK)  
2010 May The Långmans Foundation for Science grant, for studies of African butterflies (30.000 SEK)  
2009 Nov Lund's Society for Animal Protection grant, for studies of Nigerian butterflies (24.000 SEK)  
2009 Oct Travel grant, Swedish Research Council, for studies of African butterflies (34.500 SEK)  
2009 Jun Helge Ax:son Johnson's Foundation grant, for studies of African butterflies (50.000 SEK)  
2009 May The Långmans Foundation for Science, grant for studies of African butterflies (35.000 SEK)  
2008 Dec Magn. Bergvall's Foundation grant, for studies of African butterflies (40.000 SEK)  
2008 Dec Wenner-Gren Foundation PostDoc Fellowship (extended until end of 2010) (600.000 SEK)  
2008 Nov Lund's Society for Animal Protection grant, for studies of Nigerian butterflies (20.000 SEK)  
2008 May The Långmans Foundation for Science grant, for studies of Nigerian butterflies (30.000 SEK)  
2008 Jun Helge Ax:son Johnson's Foundation grant, for studies of Nigerian butterflies (50.000 SEK)  
2008 Mar Travel grant, Swedish Research Council, for studies of Nigerian butterflies (70.000 SEK)  
2007 Dec Royal Academy of Sciences, grant for studies of Nigerian butterflies (33.000 SEK)  
2007 Dec Foundation in memory of Lars Hierta grant, for studies of Nigerian butterflies (25.000 SEK)  
2007 Nov Lund's Society for Animal Protection grant, for studies of Nigerian butterflies (15.000 SEK)  
2007 Sep Travel grant, Royal Physiographic Society, for pilot studies of butterfly ecology (25.000 SEK)  
2006 Nov Grant for young researchers, Royal Physiographic Society (about 20.000 SEK)  
2006 Oct ÅF Research foundation grant, for monitoring of forest butterflies in Nigeria (30.000 SEK)  
2004 Nov Grant for young researchers, Royal Physiographic Society (about 20.000 SEK)  
2004 Mar Travel grant, Royal Physiographic Society, for Italian butterfly studies (about 20.000 SEK)  
2003 Mar Lund University Travel Grant (about 10.000 SEK)  
2002 Nov Grant for young researchers, Royal Physiographic Society (about 20.000 SEK)

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## ACADEMIC PRESENTATIONS

2015 Invited speaker at the universities of Prague and České Budějovice, Czech Republic.  
2015 Poster at European Society of Evolutionary Biology meeting, Lausanne, Switzerland.  
2014 Oral presentation at International Conference of Butterfly Biology, Turku, Finland.  
2013 Poster at European Society of Evolutionary Biology meeting, Lisbon, Portugal.  
2012 Poster at Int. Society for Chemical Ecology annual meeting, Vilnius, Lithuania.  
2011 Presentation at Afrotropical Lepidoptera Research Workshop, Cape Coast, Ghana.  
2011 Poster at European Society of Evolutionary Biology meeting, Tübingen, Germany.  
2010 Organised symposium at Int. Conference of Butterfly Biology, Edmonton, Canada.  
2009 Attended European Society of Evolutionary Biology meeting, Turin, Italy.  
2005 Presentation at Royal Institute of Navigation meeting, Reading, UK.  
2003 Poster at Society of Experimental Biology annual meeting, Southampton, UK.