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EDUCATION

2014	Ph.D.	Ludwig-Maximilians University, Munich, Germany. <i>Summa cum laude</i> .
2011	M.Sc.	Paris-Sud University, Orsay, France.
2009	B.Sc.	Paris-Sud University, Orsay, France.

PROFESSIONAL APPOINTMENTS

2017–present	Post-doc	Kawahara Lab, University of Florida, Gainesville, USA.
2015–2016	Post-doc	Short Lab, University of Kansas, Lawrence, USA.

GRANTS, AWARDS & FELLOWSHIPS

2017	Mohamed bin Zayed Species Conservation Fund (MBZ) Project 17051545: Conservation status of the Marquesan Snout butterfly, <i>Libythea collettei</i> . Senior Personnel. 2,500\$
2016	Royal Society Newton/Shooter International Postdoctoral Fellowship (PI): Linking population size and the rates of molecular evolution and speciation (2 years). <i>Declined</i> .
2016	17 th R.J.H. Hintelmann scientific award for zoological systematics. 5,000€.
2014–2015	German Research Foundation (DFG) grant BA2152/20–1: Old World tropical biogeography and the evolution of <i>Charaxes</i> butterflies. Senior Personnel. 32,000€.
2014	International Biogeography Society travel grant. 250AUS\$.
2013	Entomological Society of America travel grant. 600\$.

PEER-REVIEWED PUBLICATIONS († equally contributing authors / § co-senior authors)

- [X] Short AEZ, Post D, **Toussaint EFA**. Biology, distribution, and phylogenetic placement of the California endemic water scavenger beetle *Hydrochara rickseckeri* (Horn) (Coleoptera: Hydrophilidae). *The Coleopterists Bulletin*, accepted.
- [X] **Toussaint EFA**, Short AEZ. Biogeographic mirages? Molecular evidence for dispersal-driven evolution in Hydrobiusini water scavenger beetles. *Systematic Entomology*, in press.
- [X] Short AEZ, Cole J, **Toussaint EFA**. Phylogeny, classification, and evolution of the water scavenger beetle tribe Hydrobiusini inferred from morphology and molecules (Coleoptera: Hydrophilidae: Hydrophilinae). *Systematic Entomology*, in press.
- [X] **Toussaint EFA**, Bloom D, Short AEZ. Cretaceous West Gondwana vicariance shaped giant water scavenger beetle palaeobiogeography. *Journal of Biogeography*, doi: 10.1111/jbi.12977, in press.
36. **Toussaint EFA**, Tänzler R, Balke M, Riedel A (2017) Transoceanic origin of microendemic and flightless New Caledonian weevils. *Royal Society Open Science*, 4: 160546.
35. **Toussaint EFA**, Hendrich L, Hájek J, Michat MC, Panjaitan R, Short AEZ, Balke M (2017) Evolution of Pacific Rim diving beetles sheds light on Amphi-Pacific biogeography. *Ecography*, 40(4): 500–510.
34. Hawlitschek O, **Toussaint EFA**, Gehring P-S, Ratsavina FM, Cole N, Crottini A, Nopper J, Lam AW, Vences M, Glaw F (2017) Gecko phylogeography in the Western Indian Ocean region: The oldest clade of *Ebenavia inunguis* lives on the youngest island. *Journal of Biogeography*, 44(2): 409–420.

33. **Toussaint EFA**, Seidel M, Arriaga-Varela E, Hájek J, Král D, Sekerka, L, Short AEZ, Fikáček M (2017) The peril of dating beetles. *Systematic Entomology*, 42(1): 1–10.
32. Baca SM, **Toussaint EFA**, Miller KB, Short AEZ (2017) Molecular phylogeny of the aquatic beetle family Noteridae (Coleoptera: Adephaga) with an emphasis on data partitioning strategies. *Molecular Phylogenetics and Evolution*, 107: 282–292.
31. **Toussaint EFA**, Short AEZ (2016) Molecular phylogenetics of Atlantic shield *Platynectes* diving beetles (Coleoptera, Dytiscidae): A first glance at the evolution of the genus in the Amazon Basin. *Annales de la Société entomologique de France (N.S.)*, 52(4): 185–191.
30. **Toussaint EFA**, Morinière J, Lam A, Turlin B, Balke M (2016) Bayesian Poisson tree processes and multispecies coalescent models shed new light on the diversification of Nawab butterflies in the Solomon Islands (Nymphalidae, Charaxinae, *Polyura*). *Zoological Journal of the Linnean Society*, 178(2): 241–256.
29. **Toussaint EFA**, Balke M (2016) Historical biogeography of *Polyura* butterflies in the oriental Palaeotropics: trans-archipelagic routes and South Pacific island hopping. *Journal of Biogeography*, 43(8): 1560–1572.
28. **Toussaint EFA**, Fikáček M, Short AEZ (2016) India-Madagascar vicariance explains cascade beetle biogeography. *Biological Journal of the Linnean Society*, 118(4): 982–991.
27. **Toussaint EFA**, Hendrich L, Escalona HE, Porch N, Balke M (2016) Evolutionary history of a secondary terrestrial Australian diving beetle (Coleoptera, Dytiscidae) reveals a lineage of high morphological and ecological plasticity. *Systematic Entomology*, 41(3): 650–657.
26. **Toussaint EFA**, Morinière J, Lam A, Balke M (2016) New insights into the systematics of the genus *Polyura* Billberg, 1820 (Nymphalidae, Charaxinae) with an emphasis on the *P. athamas* group. *Journal of The Lepidopterists' Society*, 70(2): 145–152.
25. Morinière J, Van Dam MH, Hawlitschek O, Bergsten J, Michat MC, Hendrich L, Ribera I, **Toussaint EFA**, Balke M (2016) Phylogenetic niche conservatism explains an inverse latitudinal diversity gradient in freshwater arthropods. *Scientific Reports*, 6: 26340.
24. **Toussaint EFA**, Balke M, García M, Short AEZ (2016) Molecular systematics of the Neotropical diving beetle genus *Rugosus* García, 2001 (Coleoptera: Dytiscidae: Copelatinae). *The Coleopterists Bulletin*, 70(1): 53–58.
23. **Toussaint EFA**†, Condamine FL† (2016) To what extent do new fossil discoveries change our understanding of clade evolution? A cautionary tale from burying beetles (Coleoptera: *Nicrophorus*). *Biological Journal of the Linnean Society*, 117(4): 686–704.
22. **Toussaint EFA**, Beutel RG, Morinière J, Jia F, Xu S, Michat MC, Zhou X, Bilton DT, Ribera I, Balke M (2016) Molecular phylogeny of the highly disjunct cliff water beetles from South Africa and China (Coleoptera, Aspidytidae). *Zoological Journal of the Linnean Society*, 176(3): 537–546.
21. Tänzler R, Van Dam MH, **Toussaint EFA**, Suhardjono YR, Balke M, Riedel A (2016) Macroevolution of hyperdiverse flightless beetles reflects the complex geological history of the Sunda Arc. *Scientific Reports*, 6: 18793.
20. **Toussaint EFA**, Hendrich L, Shaverdo HV, Balke M (2015) Mosaic patterns of diversification dynamics following the colonization of Melanesian islands. *Scientific Reports*, 5: 16016.
19. Faille A†, Tänzler R, **Toussaint EFA**† (2015) On the way to speciation: Shedding light on the karstic phylogeography of the microendemic cave beetle *Aphaenops cerberus* in the Pyrenees. *Journal of Heredity*, 106(6): 692–699.
18. **Toussaint EFA**, Tänzler R, Rahmadi C, Sagata K, Balke M, Riedel A (2015) Biogeography of Australasian flightless weevils (Curculionidae, Celeuthetini) suggests permeability of Lydekker's and Wallace's Lines. *Zoologica Scripta*, 44(6): 632–644.

17. Kergoat GJ, **Toussaint EFA**, Capdevielle-Dulac C, Clamens A-L, Ong'amo G, Conlong D, Van den Berg J, Cugala, D, Pallangyo B, Mubenga O, Chipabika G, Ndemah R, Sezonlin M, Bani G, Molo R, Catalayud P-A, Kaiser L, Silvain J-F, Le Ru BP (2015) Integrative taxonomy reveals six new species related to the Mediterranean corn stalk borer *Sesamia nonagrioides* (Lefèbvre) (Lepidoptera, Noctuidae, Sesamiina). *Zoological Journal of the Linnean Society*, 175(2): 244–270.
16. Condamine FL, **Toussaint EFA**, Clamens A-L, Genson G, Sperling FAH§, Kergoat GJ§ (2015) Deciphering the evolution of birdwing butterflies 150 years after Alfred Russel Wallace. *Scientific Reports*, 5: 11860.
15. **Toussaint EFA**, Morinière J, Müller CJ, Kunte K, Turlin B, Hausmann A, Balke M (2015) Comparative molecular species delimitation in the charismatic Nawab butterflies (Nymphalidae, Charaxinae, *Polyura*). *Molecular Phylogenetics and Evolution*, 91: 194–209.
14. Bilton DT, **Toussaint EFA**, Turner C, Balke M (2015) *Capelatus prykei* gen. n., sp. n. (Coleoptera: Dytiscidae: Copelatinae) - a phylogenetically isolated diving beetle from the Western Cape of South Africa. *Systematic Entomology*, 40(3): 520–531.
13. **Toussaint EFA**, Condamine FL, Hawlitschek O, Watts CHS, Porch N, Hendrich L, Balke M (2015) Unveiling the diversification dynamics of Australasian predaceous diving beetles in the Cenozoic. *Systematic Biology*, 64(1): 3–24.
12. Le Ru BP, Capdevielle-Dulac C, **Toussaint EFA**, Conlong D, Van den Berg J, Pallangyo B, Ong'amo G, Chipabika G, Molo R, Overholt WA, Cuda JP, Kergoat GJ (2014) Molecular phylogenetics and systematics of *Acrapex* stem borers (Lepidoptera, Noctuidae, Apameini). *Invertebrate Systematics*, 28(5): 451–475.
11. Hendrich L, **Toussaint EFA**, Balke M (2014) *Brancuporus* nov. gen. a new genus of hydroporine diving beetle (Coleoptera: Dytiscidae: Hydroporini) from Southwestern Australia. *Spixiana*, 37(1): 103–109.
10. **Toussaint EFA**, Hall R, Monaghan M, Sagata K, Ibalim S, Shaverdo HV, Vogler AP, Pons J, Balke M (2014) The towering orogeny of New Guinea as a trigger for arthropod megadiversity. *Nature Communications*, 5: 4001.
9. Tänzler R, **Toussaint EFA**, Suhardjono YR, Balke M, Riedel A (2014) Multiple transgressions of Wallace's Line explain diversity of flightless *Trigonopterus* weevils on Bali. *Proceedings of the Royal Society of London B*, 281(1782): 20132528.
8. Balke M, Warikar E, **Toussaint EFA**, Hendrich L (2013) *Papnadessus baueri* sp.nov. from Biak Island, Papua (Coleoptera: Dytiscidae: Hydroporinae). *Spixiana*, 36(2): 283–288.
7. Balke M, Hendrich L., **Toussaint EFA**, Zhou X, von Rintelen T, de Bruyn M (2013) Suggestions for a molecular biodiversity assessment of South East Asian freshwater invertebrates. Lessons from the megadiverse beetles (Coleoptera). *Journal of Limnology*, 72(2): 61–68.
6. Balke M, Schmidt S, Hausmann A, **Toussaint EFA**, Bergsten J, Buffington M, Häuser C, Kroupa A, Riedel A, Polaszek A, Ubaidillah R, Krogmann L, Zwick L, Fikáček M, Hájek J, Michat MC, Dietrich C, LaSalle J, Mantle B, Ng P (2013) Biodiversity into your hands - A call for a virtual global natural history 'metacollection'. *Frontiers in Zoology*, 10: 55.
5. Balke M, **Toussaint EFA**, Hendrich L, Hájek J (2013) A new species of the Australian genus *Necterosoma* from Timor (Coleoptera: Dytiscidae: Hydroporini). *Acta Entomologica Musei Nationalis Pragae*, 53(1): 65–74.
4. **Toussaint EFA**, Sagata K, Surbakti S, Hendrich L, Balke M (2013) Australasian sky islands act as a diversity pump facilitating peripheral speciation and complex reversal from narrow endemic to widespread ecological supertramp. *Ecology and Evolution*. 3(4): 1031–1049.
3. Condamine FL, **Toussaint EFA**, Cotton A, Sperling FAH, Genson G, Kergoat GJ (2013) Fine-scale biogeographic and temporal diversification processes of peacock swallowtails (*Papilio* subgenus *Achillides*) in the Indo–Australian Archipelago. *Cladistics*, 29(1): 88–111.

2. Hawlitschek O, Hendrich L, Espeland M, **Toussaint EFA**, Genner MJ, Balke M (2012) Pleistocene climate change promoted rapid diversification of aquatic invertebrates in South–East Australia. *BMC Evolutionary Biology*, 12: 142.
1. **Toussaint EFA**, Condamine FL, Kergoat GJ, Capdevielle-Dulac C, Barbut J, Silvain J-F, Le Ru BP (2012) Palaeoenvironmental shifts drove the adaptive radiation of a noctuid stemborer tribe (Lepidoptera, Noctuidae, Apameini) in the Miocene. *PLoS ONE*, 7(7): e41377.

PUBLICATIONS IN REVIEW († equally contributing authors / § co-senior authors)

Toussaint EFA, Turlin B, Balke M. Phylogenetics of Pacific Nawabs with a note on the phylogeography of the Fijian Emperor *Polyura capbontis* Hewitson, 1863 (Lepidoptera, Charaxinae). (*Pacific Science*).

Toussaint EFA, Bybee SM, Condamine FL. Forest giants on different evolutionary branches: Ecomorphological convergence in helicopter damselflies. (*Evolution*).

Toussaint EFA, Dias FMS, Mielke OHH, Casagrande MM, Sañudo-Restrepo CP, Lam A, Morinière J, Balke M, Vila R. Decoupling Court Jester macroevolutionary dynamics in Neotropical leafwing butterflies. (*Proceedings of the Royal Society of London B*).

Lam A, **Toussaint EFA**, Van Dam MH, Panjaitan R, Roderick GK, Balke M. Stream flow regime does not predict evolutionary trajectories of diving beetles across complex tropical landscapes. (*Molecular Ecology*).

Toussaint EFA, Short AEZ. Transoceanic stepping–stones between Cretaceous waterfalls? The enigmatic biogeography of pantropical *Oocyclus* cascade beetles. (*Systematic Biology*).

TECHNICAL PUBLICATIONS

1. Hendrich L, Hawlitschek O, **Toussaint EFA**, Tänzler R, Balke M (2014) Wiederfund des Schwimmkäfers *Graphoderus austriacus* (Sturm, 1834) in Bayern sowie weitere aktuelle Vorkommen von *Graphoderus bilineatus* (De Geer, 1774) im Gebiet des Starnberger Sees (Coleoptera: Dytiscidae, Noteridae, Hydrophilidae & Hydraenidae). *Nachrichtenblatt der bayerischen Entomologen*, 63(1/2): 19–28.

PRESENTATIONS (* invited)

20. **Toussaint EFA***, Short A. Dwelling in Cretaceous waterfalls? Museum evolution of *Oocyclus* cascade beetles. 25th International Congress of Entomology (25–30 September 2016, Orlando, USA).
19. **Toussaint EFA***. A water beetle's insights on Earth's geological history. 17th RJH Hintelmann award (15th January 2016, Munich).
18. **Toussaint EFA**, Short A. Deciphering the evolution of *Oocyclus* tropical waterfall beetles using Bayesian total evidence phylogenetics. Entomology 2015 - The Entomological Society of America 63st Annual Meeting (14–18 November 2015, Minneapolis, USA).
17. **Toussaint EFA***. Water beetles as an emerging model to study macroevolutionary processes. University of Alberta (23rd October 2015, Edmonton, Canada).
16. **Toussaint EFA***. Les coléoptères aquatiques, un nouveau modèle pour l'étude des processus macroévolutifs. Centre National de la Recherche Scientifique (11th September 2015, Gif-sur-Yvette, France).
15. **Toussaint EFA***. From molecular taxonomy to macroevolutionary pattern inference: a case study with the charismatic Nawab butterflies (Nymphalidae, Charaxinae, *Polyura*). Muséum National d'Histoire Naturelle (8th September 2015, Paris, France).
14. **Toussaint EFA***. Intégration des approches moléculaires pour l'étude de la systématique et des dynamiques macro-évolutives des insectes. Centre de Biologie et de Gestion des Populations (4th September 2015, Montpellier, France).

13. **Toussaint EFA***. Insects as a model to test macroevolutionary hypotheses in the Australasian archipelago. Museum of Zoology (20th May 2015, Barcelona, Spain).
12. **Toussaint EFA***. From molecular taxonomy and systematics to macroevolution in Lepidoptera. Zoological Research Museum Alexander Koenig (23rd October 2014, Bonn, Germany).
11. **Toussaint EFA***. Les insectes d'un clos-masure au cœur de la biodiversité. 31st European Heritage Days (20–21 September 2014, Manoir du Catel, Ecretteville-lès-Baons, France).
10. **Toussaint EFA**, Morinière J, Müller CJ, Kunte K, Turlin B, Hausmann A, Balke M. Cryptic diversification of ornamental butterflies across tropical biodiversity hotspots. 7th International Conference on the Biology of Butterflies (11–14 August 2014, Turku, Finland). (Poster).
9. **Toussaint EFA**, Hall R, Monaghan M, Sagata K, Ibalim S, Shaverdo HV, Vogler AP, Pons J, Balke M. The towering orogeny of New Guinea as a trigger for arthropod megadiversity. 10th European Congress of Entomology (3–8 August 2014, York, England).
8. **Toussaint EFA**, Condamine FL, Hawlitschek O, Watts CHS, Porch N, Hendrich L, Balke M. Unveiling the diversification dynamics of Australasian predaceous diving beetles in the Cenozoic. 33rd Meeting of the Willi Hennig Society (6–10 July 2014, Trento, Italy).
7. **Toussaint EFA**, Condamine FL, Hawlitschek O, Watts CHS, Hendrich L, Balke M. Unveiling the diversification dynamics of Australasian predaceous diving beetles in the Cenozoic. International Biogeography Society Early Career Conference (7–10 January 2014, Canberra, Australia).
6. **Toussaint EFA***, Hall R, Monaghan M, Sagata K, Ibalim S, Shaverdo HV, Vogler AP, Pons J, Balke M. Deciphering the origins of massive radiations in the New Guinean archipelago. Entomology 2013 - The Entomological Society of America 61st Annual Meeting (10–13 November 2013, Austin, USA).
5. **Toussaint EFA***, Condamine FL, Hawlitschek O, Watts CHS, Hendrich L, Balke M. Evolutionary dynamics of beetles during the Australian drying-out. Entomology 2013 - The Entomological Society of America 61st Annual Meeting (10–13 November 2013, Austin, USA).
4. **Toussaint EFA***, Balke M. Massive orogeny as a biodiversity pump for the emerging Papuan giant. 32nd Meeting of the Willi Hennig Society (3–7 August 2013, Rostock, Germany).
3. **Toussaint EFA**, Shaverdo HV, Hendrich L, Balke M. Deciphering the origins of massive radiations in the Indo–Australian archipelago - The New Guinean archipelago as a major diversity pump in Australasia. 2nd Southeast Asian Gateway Evolution Meeting (11–17 March 2013, Berlin, Germany).
2. **Toussaint EFA**, Kergoat GJ, Capdevielle-Dulac C, Barbut J, Silvain J-F, Le Ru BP. Using a phylogenetic integrative approach to infer evolutionary patterns: Evolution, biodiversity and ecology of tropical African stem borer species of the subtribe *Sesamiina* (Lep. Noctuidae, Apameini). The 4th Printemps de Baillarguet (26–27 May 2011, Montpellier, France).
1. **Toussaint EFA**, Kergoat GJ, Capdevielle-Dulac C, Barbut J, Silvain J-F, Le Ru BP. Using a phylogenetic integrative approach to infer evolutionary patterns: Evolution, biodiversity and ecology of tropical African stem borer species of the subtribe *Sesamiina* (Lep. Noctuidae, Apameini). LEGSeriales 2011 (30–31 May 2011, Cernay-la-Ville, France).

ADVISING / MENTORING

2017–present	Harlan Gough (Ph.D., University of Florida, USA)
2015–2017	Stephen Baca (M.Sc./Ph.D., University of Kansas, Lawrence, USA)
2015–2017	Marianna Simões (Ph.D., University of Kansas, Lawrence, USA)
2011–2014	Jérôme Morinière (M.Sc./Ph.D., Technische Universität, Munich, Germany)
2012	Daniel Frank (M.Sc., Ludwig-Maximilians University, Munich, Germany)

FIELDWORK

Australia (New South Wales), Bali, Corsica, France (Alps, Normandy, Provence), Germany (Bavaria), Java, Sicily, Slovenia, Sumatra, Suriname, Tasmania, USA (Alabama, Florida, Georgia, Kansas, Utah).

TEACHING

Summer 2012 Indonesian-German Network for Teaching, Training and Research Collaborations, Module II: DNA Barcoding. Andalas University and Brawijaya University, Indonesia.

Lab/Lectures:

- Aquatic Entomology (20 students / 10 teachers)
- Molecular biology and DNA sequencing (20 students / 10 teachers)
- Molecular data analysis for phylogenetic inference (20 students / 10 teachers)
- Introduction to DNA Barcoding (20 students / 10 teachers)
- Introduction to Phylogeography (20 students / 10 teachers)
- Molecular dating and biogeography (20 students / 10 teachers)

AD HOC PEER REVIEWER

Annales de la Société entomologique de France (N.S.) (since 2016)

Biological Journal of the Linnean Society (since 2016)

BMC Evolutionary Biology (since 2015)

Evolution (since 2017)

Journal of African Earth Sciences (since 2017)

Journal of Biogeography (since 2015)

Molecular Ecology (since 2016)

Molecular Ecology Resources (since 2016)

Molecular Phylogenetics and Evolution (since 2014)

PeerJ (since 2016)

PLoS ONE (since 2014)

Royal Society Open Science (since 2016)

Scientific Reports (since 2015)

Systematic Biology (since 2017)

Systematic Entomology (since 2015)

Zoological Journal of the Linnean Society (since 2016)

Zootaxa (since 2015)

OTHER PROFESSIONAL SERVICES

2015 Judge for the student presentation competition. Entomology 2015 - The Entomological Society of America 63rd Annual Meeting (14–18 November 2015, Minneapolis, USA).

PROFESSIONAL MEMBERSHIPS

Entomological Society of America

Linnean Society (Elected fellow in 2017)

Society for the Study of Evolution

Society of Systematic Biologists

The Coleopterists Society