

CURRICULUM VITAE

Anna Papadopoulou

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EDUCATION:

Imperial College London, UK; Ecology and Evolutionary Biology; Ph.D. 2010
Imperial College London, UK; Taxonomy and Biodiversity; MSc. 2003
University of Athens, Greece; Biology; BSc. 2001

ACADEMIC POSITIONS:

September 2017- Assistant Professor of Ecology, Department of Biological Sciences,
University of Cyprus
2015-2017 Research Fellow, Department of Integrative Ecology, Doñana
Biological Station (EBD-CSIC), Seville, Spain
2013-2015 Postdoctoral Fellow, EEB Department, University of Michigan, USA
2011-2013 Postdoctoral Fellow, Institute of Evolutionary Biology, Barcelona
2009-2011 Research assistant, The Natural History Museum, London, UK
2004-2005 Research assistant, Imperial College, London, UK

FELLOWSHIPS RECEIVED:

2015-2017 Severo Ochoa Postdoctoral Fellowship (Spain)
2011-2014 Juan de la Cierva Postdoctoral Fellowship (Spain)
2005-2009 Ph.D. Scholarship, Greek State Scholarships Foundation IKY (Greece)
2002-2003 M.Sc. Scholarship, Public Benefit Foundation Alexander S. Onassis

RESEARCH INTERESTS:

Molecular Ecology, Phylogeography, Island Biogeography, Population genetics, Molecular
Phylogenetics, Speciation, Biodiversity patterns, Coleoptera

SUMMARY OF PUBLICATION LIST:

Total number of SCI publications: 23
First-author SCI publications: 13
Number of citations: *Web of Science* 1086 / *Google Scholar* 1440
h-index: *Web of Science* 10 / *Google Scholar* 12

PUBLICATIONS

- Múrria, C, Dolédec, S, **Papadopoulou, A**, Vogler, AP and Bonada, N (2017) Ecological constraints from incumbent clades drive trait evolution across the tree-of-life of freshwater macroinvertebrates. *Ecography* doi:10.1111/ecog.02886
- Patiño, J, Whittaker, R J, Borges, P AV, Fernández-Palacios, J M, Ah-Peng, C, Araújo, M B, Ávila, S P, Cardoso, P, Cornuault, J, de Boer, E J, de Nascimento, L, Gil, A, González-Castro, A, Gruner, D S, Heleno, R, Hortal, J, Illera, J C, Kaiser-Bunbury, C N, Matthews, T J, **Papadopoulou, A**, Pettorelli, N, Price, J P, Santos, A M C, Steinbauer, M J, Triantis, K A, Valente, L, Vargas, P, Weigelt, P and Emerson, B C (2017) A roadmap for island biology: 50 fundamental questions after 50 years of the Theory of Island Biogeography. *J. Biogeogr.* 44:963-983
- De la Cadena, G, **Papadopoulou, A**, Maes, JM, Gómez-Zurita, J. (2017) Evaluation of bias on the assessment of diet breadth of herbivorous insects using molecular methods. *Insect science* 24:194-209
- Papadopoulou A**, Knowles LL. (2016) Towards a paradigm shift in comparative phylogeography driven by trait-based hypotheses. *Proc. Natl. Academy Sci. USA* 113:8018-8024
- Wachter, G*, **Papadopoulou, A***, Muster, C, Arthofer, W, Knowles, LL, Steiner, F, Schlick-Steiner, B. (2016) Glacial refugia, recolonisation patterns, and diversification forces in Alpine-endemic *Megabus harvestmen*. *Molecular Ecology* 25:2904-2919 [*authors contributed equally]
- Dawson, MN, Axmacher, JC, Beierkuhnlein, C, Blois, J, Bradley, BA, Cord, AF, Dengler, J, He KS, Heaney LR, Jansson R, Mahecha MD, Myers C, Nogues-Bravo D, **Papadopoulou A**, Reu B, Rodriguez-Sanchez F, Steinbauer MJ, Stigall A, Tuanmu M-N, Gavin DG (2016). A second horizon scan of biogeography: Golden Ages, Midas touches, and the Red Queen. *Frontiers of Biogeography*, 8(4)
- Gómez-Zurita, J, Cardoso, A, Coronado, I, De la Cadena, G, Jurado-Rivera JA, Maes, J-M, Montelongo, T, Nguyen, DT, **Papadopoulou, A**. (2016) High-throughput biodiversity analysis: Rapid assessment of species richness and ecological interactions of Chrysomelidae (Coleoptera) in the tropics. *Zookeys* 597: 3-26
- Papadopoulou, A**, Knowles LL. (2015) Species-specific responses to island connectivity cycles: refined models for testing phylogeographic concordance across a Mediterranean Pleistocene Aggregate Island complex. *Molecular Ecology* 24: 4252-4268
- Papadopoulou, A**, Taberlet, P, Zinger, L. (2015) Metagenome skimming for phylogenetic community ecology: a new era in biodiversity research. *Molecular Ecology* 24: 3515-3517
- Papadopoulou, A**, Knowles LL. (2015) Genomic tests of the species-pump hypothesis: recent island connectivity cycles drive population divergence but not speciation in Caribbean crickets across the Virgin Islands. *Evolution* 69: 1501–1517
- Papadopoulou, A**, Chesters, D, Coronado, I, De la Cadena, G, Cardoso, A, Reyes, JC, Maes, J-M, Ricardo M. Rueda, RM, Gómez-Zurita J (2015). Automated DNA-based plant identification for large-scale biodiversity assessment. *Molecular Ecology Resources* 15: 136-152
- Wilkinson, M, Presswell, B, Sherratt, E, **Papadopoulou, A**, Gower, DJ (2014). A new species of striped *Ichthyophis* Fitzinger, 1826 (Amphibia: Gymnophiona: Ichthyophiidae) from Myanmar. *Zootaxa* 3785: 045-058
- Papadopoulou, A**, Cardoso, A, Gómez-Zurita, J (2013). Diversity and diversification of Eumolpinae (Coleoptera: Chrysomelidae) in New Caledonia. *Zoological Journal of the Linnean Society* 168: 473-495

- Papadopoulou A**, Anastasiou I, Spagopoulou F, Stalimerou M, Terzopoulou S, Legakis A, Vogler AP (2011). Testing the species-genetic diversity correlation in the Aegean archipelago: toward a haplotype-based macroecology? *American Naturalist* 178: 241-255
- Gower, DJ, **Papadopoulou, A**, Doherty-Bone, TM, Pupin, F, San Mauro, D, Loader, SP & Wilkinson, M (2011) The systematics of *Boulengerula fischeri* (Amphibia: Gymnophiona: Caeciliidae) based on morphological and molecular data. *Zootaxa* 2767: 14-24
- Papadopoulou, A**, Anastasiou, I, Vogler, AP (2010). Revisiting the insect mitochondrial molecular clock: the mid-Aegean trench calibration. *Molecular Biology & Evolution* 27: 1659-1672
- Papadopoulou, A**, Jones, AG, Hammond PM, Vogler, AP (2009). DNA taxonomy and phylogeography of beetles of the Falkland Islands (Islas Malvinas). *Molecular Phylogenetics & Evolution* 53: 935 – 947
- Papadopoulou, A**, Monaghan, MT, Barraclough, TG, Vogler, AP (2009). Sampling Error Does Not Invalidate the Yule-Coalescent Model for Species Delimitation. A Response to Lohse. *Systematic Biology* 58: 442 – 444
- Papadopoulou, A**, Anastasiou, I, Keskin, B, Vogler, AP (2009). Comparative phylogeography of tenebrionid beetles in the Aegean archipelago: the effect of dispersal ability and habitat preference. *Molecular Ecology* 18: 2503 – 2517
- Papadopoulou, A**, Bergsten, J, Fujisawa, T, Monaghan, MT, Barraclough, TG, Vogler, AP (2008). Speciation and DNA barcodes: testing the effects of dispersal on the formation of discrete sequence clusters. *Philos Trans R Soc Lond B Biol Sci* 363: 2987 – 2996
- Hunt, T, Bergsten, J, Levkanicova, Z, **Papadopoulou, A**, John, OS, Wild, R, Hammond, PM, Ahrens, D, Balke, M, Caterino, MS, Gomez-Zurita, J, Ribera, I, Barraclough, TG, Bocakova, M, Bocak, L, Vogler, AP (2007). A comprehensive phylogeny of beetles reveals the evolutionary origins of a superradiation. *Science* 318: 1913 – 1916
- Hughes, J, Longhorn, SJ, **Papadopoulou, A**, Theodorides, K, de Riva, A, Mejia-Chang, M, Foster, PG, Vogler, AP (2006). Dense taxonomic EST sampling and its applications for molecular systematics of the Coleoptera (beetles). *Molecular Biology & Evolution* 23: 268 – 278

CONFERENCES AND SEMINARS

- Papadopoulou, A**, Knowles, LL. Linking macro- and microevolutionary perspectives to evaluate the role of Pleistocene sea-level oscillations in driving island diversification patterns. International Conference on Island Evolution, Ecology, and Conservation (Terceira Island, Azores, July 2016). Main Symposium Talk.
- Papadopoulou, A**, Knowles, LL. Species-specific responses to island connectivity cycles: refining the ‘Pleistocene Aggregate Island Complex’ (PAIC) model of diversification. International Biogeography Meeting (Bayreuth, 2015). Oral presentation.
- Papadopoulou, A**. Testing the role of Pleistocene island connectivity cycles as drivers of diversification. EEB Seminar, University of Michigan (Ann Arbor, Feb 2015). Invited seminar.
- Papadopoulou, A**, Knowles, LL. Genomic tests of Pleistocene aggregate island complexes as drivers of divergence: differentiation across local geographic scales in Caribbean crickets. Evolution Meeting (Raleigh, 2014). Oral presentation.

Gómez-Zurita, J, Cardoso, A, **Papadopoulou, A**. Rapid biodiversity assessment in biodiversity hotspots: diversity and diversification of New Caledonian leaf beetles. 2nd BioSyst.EU meeting (Vienna, 2013). Oral presentation.

De la Cadena, G, Cardoso, A, Maes, J-M, **Papadopoulou, A**, Gómez-Zurita, J. Phylogenetic assessment of taxonomic and ecological biodiversity of herbivore beetles in the dry tropical forest. 2nd BioSyst.EU meeting (Vienna, 2013). Poster presentation.

Gower, D, **Papadopoulou, A**. Molecular systematics of the shieldtail snakes (Uropeltidae) of South Asia. 2nd BioSyst.EU meeting (Vienna, 2013). Oral presentation.

Papadopoulou A, Anastasiou, I, Legakis, A, Triantis, K, Trichas, A. Revisiting the biogeographic patterns of the Aegean tenebrionid beetles: new data and new insights. 12th International Congress on the Zoogeography, Ecology and Evolution of Eastern Mediterranean (Athens, 2012). Oral presentation.

Papadopoulou, A, Cardoso, A, Gómez-Zurita, J. Diversity and diversification of New Caledonian Eumolpinae (Coleoptera: Chrysomelidae). 1st Iberian Congress on Animal Systematics (Madrid, 2012). Poster presentation.

Papadopoulou A. Molecular phylogenies in the service of biodiversity: case studies from the hyper-diverse order of Coleoptera. Annual Congress of the Greek Society of Biological Sciences (Trikala, 2012). Invited talk.

Papadopoulou A, Anastasiou, I, Vogler, AP. Lineage diversification and community differentiation in a continental archipelago: the case of the Aegean darkling beetles. Advances in Biogeography: Early Career Conference (Oxford, 2011). Oral presentation.

Papadopoulou, A, Anastasiou, I, Gotsi, E, Spagopoulou, F, Stalimerou, M, Terzopoulou, S, Legakis, A, Vogler, AP. Island biogeography of species and genotypes in the central Aegean archipelago. 5th International Biogeography Conference (Crete, 2011). Poster presentation.

Gower, DJ, **Papadopoulou, A**. Ichthyophiid caecilian amphibians – a non-adaptive radiation out of India. 8th Biennial Conference of the Systematics Association (Belfast, 2011). Oral presentation.

Papadopoulou, A. Revisiting the insect mitochondrial molecular clock: the mid-Aegean trench calibration. Ege University (Izmir, July 2010). Invited Seminar.

Papadopoulou, A, Anastasiou, I, Spagopoulou, F, Stalimerou, M, Terzopoulou, S, Keskin, B, Vogler A.P. Comparative phylogeography of darkling beetles (Coleoptera: Tenebrionidae) in the central Aegean archipelago. 11th International Congress on the Zoogeography, Ecology and Evolution of the Eastern Mediterranean (Crete, 2009). Oral presentation.

Papadopoulou, A, Vogler AP. Comparative phylogeography in the Aegean archipelago: the effect of habitat stability. Annual Meeting of the Society of Molecular Biology and Evolution, SMBE (Barcelona, 2008). Poster presentation

Vogler, AP, Monaghan, MT, Bergsten, J, **Papadopoulou, A**. Success and failure of species delimitation in DNA taxonomy. Systematics Association, 6th Biennial Meeting (Edinburgh, 2007). Oral presentation

Hughes, J, Longhorn, SJ, **Papadopoulou, A**, Theodorides, K, De-Riva, A, Mejia-Chang, M, Foster, PG, Vogler, AP. A foundation for insect phylogenomics: Shallow EST sampling for 34 species. 8th Evolutionary Biology Meeting (Marseille, 2005). Abstract in: *Cladistics* (2004) 20(6):583-608

SUPERVISION OF PH.D. AND MASTER THESES

Ph.D. Thesis of Emmanouil Meramveliotakis (2017-present): "Studying the role of habitat persistence in species diversification and molecular evolution using as a model system the genus *Eutagenia* (Coleoptera: Tenebrionidae)". (University of Cyprus)

Ph.D. Thesis of Vanina Tonzio (2016-present): 'Patterns and processes of genomic divergence along the speciation continuum in two recent evolutionary radiations: a multidisciplinary and integrative approach'. (University of Barcelona, Co-supervision with Dr. J. Ortego)

Ph.D. Thesis of Gissela De la Cadena (2010-2016): 'Rapid biodiversity assessment in biodiversity hotspots using molecular tools: structure, function and conservation of the tropical dry forest in the Neotropics'. (University of Barcelona, Co-supervision with Dr. J. Gómez-Zurita)

Master Thesis of Charlotte Wray (2009): 'Phylogeography and genetic diversity patterns in the tribe Pimeliini (Coleoptera: Tenebrionidae) in the Aegean islands'. (Imperial College London, Co-supervision with Prof. A. Vogler)

Master Thesis of Renier Myburgh (2008): 'Vicariance and dispersal in a continental archipelago: comparative phylogeography of darkling beetles in the Aegean'. (Imperial College London, Co-supervision with Prof. A. Vogler)

PROFESSIONAL SERVICE

- Associate Editor of *Biogeographia* (2015-present)
- Reviewer of Manuscripts for the journals: *Molecular Ecology*, *Molecular Ecology Resources*, *Proceedings of the Royal Society B*, *American Naturalist*, *Journal of Biogeography*, *Molecular Phylogenetics and Evolution*, *BMC Evolutionary Biology*, *PLoS ONE*, *Hydrobiologia*, *European Journal of Entomology*, *Zoologica Scripta*, *Oecologia*, *Evolution*, *Scientific Reports*. Reviewer of Grant proposals for the Austrian Science Fund (FWF).

ACADEMIC REFERENCES

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Professor of Molecular Systematics
Genomics and Microbial Biodiversity Division
Department of Life Sciences
Natural History Museum
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Prof. L. Lacey Knowles
Professor and Curator
Department of Ecology and Evolutionary Biology
Museum of Zoology, University of Michigan
1109 Geddes Avenue
Ann Arbor, MI 48109, USA

Dr. Joaquín Ortego
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