

## Laboratories of Analytical Biology Publications from 2015

Publications listed in alphabetical order.

**Arcila, D**, Alexander Pyron, R., Tyler, J.C., **G Orti** & **R Betancur-R**. 2015. An evaluation of fossil tip-dating versus node-age calibrations in tetraodontiform fishes (Teleostei: Percomorphaceae). *Molecular Phylogenetics & Evolution* 82: 131-145.

Angulo A, **CC Baldwin** & DR Robertson. In Press. A new species of *Leptoderma* Vaillant, 1886 (Osmeriformes: Alepocephalidae) from the eastern Pacific Ocean. *Zootaxa*.

Attaran-Farimani G, S Estekani, VG Springer, O Crimmen, GD Johnson & **CC Baldwin**. In press. Validation of the synonymy of the teleost blennioid fish species *Salarias phantasticus* Boulenger 1897 and *Salarias anomalus* Regan 1905 with *Salarias pulcher* Murray 1887 (= *Ecsenius pulcher*) based on DNA barcoding and morphology. *Zootaxa*.

**Baldwin, CC** & DR Robertson. 2015. A new, mesophotic *Coryphopterus* goby (Teleostei: Gobiidae) from the southern Caribbean, with comments on relationships and depth distributions within the genus. *Zookeys* 513:123–142.

Bennett, KL, **Y-M Linton**, F Shija, M Kaddumukasa, R Djouaka, G Misinzo, J Lutwama, Y-M Huang, **LB Mitchell**, M Richards & C Walton. 2015. Molecular differentiation of the African yellow fever vector *Aedes bromeliae* (Diptera: Culicidae) from its sympatric non-vector sister species, *Aedes lillii*. *PLoS Neglected Tropical Diseases* 9(12): e0004250. [doi:10.1371/journal.pntd.0004250](https://doi.org/10.1371/journal.pntd.0004250)

**Betancur-R. R**, **G Orti**, & AR Pyron. 2015. In press. Fossil-based comparative analyses reveal ancient marine ancestry erased by extinction in ray-finned fishes. *Ecology Letters*.

**Blaimer, B**, **SG Brady**, **TR Schultz** & BL Fisher. 2015. Functional and phylogenetic approaches reveal the evolution of diversity in a hyper diverse biota. *Ecography* 38: 901-912. [doi:10.1111/ecog.01370](https://doi.org/10.1111/ecog.01370)

**Blaimer, BB**, **SG Brady**, **TR Schultz**, **MW Lloyd**, BL Fisher & PS Ward. 2015. Phylogenomic methods outperform traditional multi-locus approaches in resolving deep evolutionary history: a case study of formicine ants. *BMC Evolutionary Biology* 15:271. [doi:10.1186/s12862-015-0552-5](https://doi.org/10.1186/s12862-015-0552-5)

**Blakeslee, AMH**. 2015. Parasites and Genetics in Marine Invertebrate Introductions: Signatures of Diversity Declines across Systems. In: *Biological Invasions in Changing Ecosystems: Vectors, Ecological Impacts, Management and Predictions* (Ed. J. Canning Clode). De Gruyter Open (Warsaw, Poland). pp 138-182.

**Bohu T**, **C Santelli**, DM Akob, T Neu, V Ciobota, J Popp, S Nietzsche & K Küsel. 2015. *Mesorhizobium australicum* T-G1 initiated bixbyite formation at acidic pH. *Frontiers in Microbiology* 17 July 2015 [doi:10.3389/fmicb.2015.00734](https://doi.org/10.3389/fmicb.2015.00734)

Borges, R, I Khan, **WE Johnson**, MTP Gilbert, G Zhang, ED Jarvis, SJ O'Brien, & A Antunes. 2015. Gene loss, adaptive evolution, and the co-evolution of plumage coloration genes with opsins in birds. *BMC Genomics* 16:751.

Bowles, DE, SC Britch, KJ Linthicum, RN Johnson, **Y-M Linton** & GB White. 2015. *Sand Flies: Significance, Surveillance, and Control in Contingency Operations*. Armed Forces Pest Management Board Technical Guide 49: 1-72.

Budd, C, **EA Zimmer** & JR Freeland. 2015. Conservation genetics of *Magnolia acuminata*, an endangered species in Canada: Can genetic diversity be maintained in fragmented, peripheral populations? *Conservation Genetics*. doi:10.1007/s10592-015-0746-9

**Cairns, SD** & **HH Wirshing**. 2015. Phylogenetic reconstruction of scleraxonian octocorals supports the resurrection of the family Spongiodermidae (Cnidaria, Alcyonacea). *Invertebrate Systematics* 29(4): 345-368. doi:10.1071/IS14063

**Chen, J**, J Zhao, **DL Erickson**, N Xia & **WJ Kress**. 2015. Testing DNA barcodes in closely related species of *Curcuma* (Zingiberaceae) from Myanmar and China. *Molecular Ecology Resources*, 15(2): 337-348. doi:10.1111/1755-0998.12319

De Smet WH, G Melone, D Fontaneto & **F Leasi**. 2015. Marine Rotifera – Fauna d'Italia Vol. L. Ed. Calderini, Bologna. Pp: 272. ISBN 978-88-506-5490-1.

Díaz MC, RW Thacker, **NE Redmond**, T Perez & **AG Collins**. 2015. *Vansoestia caribensis* gen. nov., sp. nov.: first report of the family Ianthellidae (Verongida, Demospongiae) in the Caribbean. *Zootaxa* 3956: 403-412. doi:10.11646/zootaxa.3956.3.5

Dobrynin, P, S Liu, G Tamazian, Z Xiong, A Yurchenko, K Krasheninnikova, S Kliver, A Schmidt-Kuntzel, **K-P Koepfli**, **WE Johnson**, L Kuderna, R García-Pérez, M deManuel, R Godinez, A Komissarov, A Makunin, V Brukhin, W Qiu, L Zhou, F Li, J Yi, C Driscoll, A Antunes, TK Oleksyk, E Eizirik, P Perelman, M Roelke, D Wildt, M Diekhans, T Marques-Bonet, L Marker, J Bhak, J Wang, G Zhang & SJ O'Brien. 2015. Genomic Legacy of the African Cheetah, *Acinonyx jubatus*. *Genome Biology* 16:277.

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