

## Laboratories of Analytical Biology Publications from 2018

Publications listed in alphabetical order

Adserias-Garriga J, Thomas C, **Ubelaker DH**, **C Zapico S**. 2018. When forensic odontology met biochemistry: Multidisciplinary approach in forensic human identification. *Archives of Oral Biology*. Mar;87:7-14. doi: 10.1016/j.archoralbio.2017.12.001.

Adserias-Garriga J, Nogué-Navarro L, **Zapico SC**, **Ubelaker DH**. 2018. Setting the light conditions for measuring root transparency for age-at-death estimation methods. *International Journal of Legal Medicine*. Mar;132(2):637-641. doi: 10.1007/s00414-017-1582-x.

Appelhans, MS., Reichelt, N, Groppo, M, Paetzold, C and **Wen, J**. 2018. Phylogeny and biogeography of the pantropical genus *Zanthoxylum* and its closest relatives in the proto-Rutaceae group (Rutaceae). *Molecular Phylogenetics & Evolution* 126: 31-44. doi:10.1016/j.ympev.2018.04.013

Appelhans, MS., **Wen, J**, Duretto, M, Crayn, D and **Wagner, WL**. 2018. Historical biogeography of *Melicope* (Rutaceae) and its close relatives with a special emphasis on Pacific dispersals. *Journal of Systematics and Evolution* 56(6): 576-599. doi:10.1111/jse.12299

**Baldwin CC**, **Tornabene L**, **Robertson DR**, **Nonaka A**, Gilmore G. 2018. More new deep-reef basslets (Teleostei: Grammatidae: *Lipogramma*), with updates on the eco-evolutionary relationships within the genus. *Zookeys* 729: 129–161, doi: 10.3897/zookeys.729.21842

**Baldwin CC**, **Tornabene L**, **Robertson DR**. 2018. Below the mesophotic. *Scientific Reports*. 8:4920 | DOI:10.1038/s41598-018-23067-1

Barron II, JC, **SW Gotte**, **BB Collette**, **RW McDiarmid**, **DG Mulcahy**, and DR Davis. *Scaphiopus holbrookii*. Geographic Distributions. *Herpetological Review* 49 (4):710.

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**Bentlage B**, **Osborn KJ**, Lindsay DJ, Hopcroft RR, Raskoff KA & **AG Collins** 2018. Loss of metagenesis and evolution of a parasitic life style in a group of open ocean jellyfish. *Molecular Phylogenetics & Evolution*. 124: 50-59. doi:10.1016/j.ympev.2018.02.030

**Betancur-R, R**, D Arcila\*, R Vari, L Hughes, C Oliveira, M Sabaj & G Ortí. 2018. Phylogenomic incongruence, hypothesis testing, and taxonomic sampling: the monophyly of characiform fishes. *Evolution*.

**Blaimer, BB**, **JR Mawdsley**, **SG Brady**. 2018. Multiple origins of sexual dichromatism and aposematism within large carpenter bees. *Evolution*, 72:1874–1889. doi:10.1111/evo.13558

**Blaimer, BB**, PS Ward, **TR Schultz**, BL Fisher, **SG Brady**. 2018. Paleotropical diversification dominates the evolution of the hyperdiverse ant tribe Crematogastrini (Hymenoptera: Formicidae). *Insect Systematics and Diversity*, 2(5):3. doi:10.1093/isd/ixy013

Borges, R, **WE Johnson**, SJ O'Brien, C Gomes, CP Heesy, and A Antunes. 2018. Adaptive genomic evolution of opsins reveals that early mammals flourished in nocturnal environments. *BMC Genomics*.

Borowiec, ML, C Rabeling, **SG Brady**, BL Fisher, **TR Schultz**, PS Ward. *In press*. Compositional heterogeneity and outgroup choice influence the internal phylogeny of the ants. *Molecular Phylogenetics and Evolution*, 134:111–121. doi.org/10.1016/j.ympev.2019.01.024

Bossert, S, Murray EA, Almeida EAB, **Brady SG**, **Blaimer BB** & BN Danforth. *In press*. Combining transcriptomes and ultraconserved elements to illuminate the phylogeny of Apidae. *Molecular Phylogenetics and Evolution* 130:121-131.

**Boyle, MJ**, and ME Rice. 2018 Comparative development and the evolution of life history diversity in Sipuncula. In "Proceedings of the 2<sup>nd</sup> International Symposium on the Biology of the Sipuncula". *Smithsonian Contributions to the Marine Sciences*. Smithsonian Institution Scholarly Press, Washington D.C. Editors: Boyle, M.J. and Kawauchi, G.Y. 42: 11-34. <https://doi.org/10.5479/si.1943-667X.42>

**Boyle, MJ** (Editor), and GY Kawauchi, G.Y. (contributing Editor). 2018. Proceedings of the 2<sup>nd</sup> International Symposium on the Biology of the Sipuncula. *Smithsonian Contributions to the Marine Sciences*; 42. Smithsonian Institution Scholarly Press, Washington D.C. <https://doi.org/10.5479/si.1943-667X.42>

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