

## 2018 Journal Publications

### July

Alcala, N. Launer, A. E. Westphal, M. F. Seymour, R. Cole, E. M. Rosenberg, N. A. (2018). Use of stochastic patch-occupancy models in the California red-legged frog for Bayesian inference regarding past events and future persistence. *Conservation Biology*, doi: 10.1111/cobi.13192.

<https://www.ncbi.nlm.nih.gov/pubmed/30019427>

Barata, I. M. Silva, E. P. Griffiths, R. A. (2018). Predictors of Abundance of a Rare Bromeliad-Dwelling Frog (*Crossodactyloides itambe*) in the Espinhaço Mountain Range of Brazil. *Journal of Herpetology* 52(3), 321-326.

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Bell, S. C. Garland, S. Alford, R. A. (2018). Increased Numbers of Culturable Inhibitory Bacterial Taxa May Mitigate the Effects of *Batrachochytrium dendrobatidis* in Australian Wet Tropics Frogs. *Frontiers in Microbiology*, 9:1604.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6058028/>

Canessa, S. Bozzutto, C. Grant, E. H. C. Cruickshank, S. S. Fisher, M. C. Koella, J. C. Lotters, S. Martel, A. Pasmans, F. Scheele, B. C. Spitzen-van der Sluijs, A. Steinfartz, S. Schmidt, B. R. (2018). Decision-making for mitigating wildlife diseases: From theory to practice for an emerging fungal pathogen of amphibians. *Journal of Applied Ecology*, 55, pp.1987–1996.

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Chaukulkar, S. Sulaeman, H. Zink, A. G. Vredenburg, V. T. (2018). Pathogen invasion and non-epizootic dynamics in Pacific newts in California over the last century. *PLoS One* 13(7).

<https://doi.org/10.1371/journal.pone.0197710>

Cook, K. J. Voyles, J. Kenny, H. V. Pope, K. L. Piovita-Scott, J. (2018). Non-lethal isolation of the fungal pathogen *Batrachochytrium dendrobatidis* (Bd) from amphibians. *Diseases of Aquatic Organisms*, 129(2), pp.159-164.

<https://www.ncbi.nlm.nih.gov/pubmed/29972376>

Dananay, K. L. Benard, M. F. (2018). Artificial light at night decreases metamorphic duration and juvenile growth in a widespread amphibian. *Proceedings of the Royal Society B*, 285(1882).

[https://www.researchgate.net/publication/326189233\\_Artificial\\_light\\_at\\_night\\_decreases\\_metamorphic\\_duration\\_and\\_juvenile\\_growth\\_in\\_a\\_widespread\\_amphibian](https://www.researchgate.net/publication/326189233_Artificial_light_at_night_decreases_metamorphic_duration_and_juvenile_growth_in_a_widespread_amphibian)

Franklin, T. W. Dysthe, J. C. Golden, M. McKelvey, K. S. Hossack, B. R. Carim, K. J. Tait, C. Young, M. K. Schwartz, M. K. (2018) Inferring presence of the western toad (*Anaxyrus boreas*) species complex using environmental DNA. *Global Ecology and Conservation*, 15.

<https://doi.org/10.1016/j.gecco.2018.e00438>

Johnson, P. T. J. Calhoun, D. M. Stokes, A. N. Susbilla, C. B. Mcdevitt-Galles, T. Briggs, C. J. Hoverman, J. T. Tkach, V. V. Roode, J. C. (2018). Of poisons and parasites—the defensive role of tetrodotoxin against infections in newts. *Journal of Animal Ecology*, 87(4), pp.1192-1204.

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Karwacki, E. E. Atkinson, M. S. Ossiboff, R. J. Savage, A. E. (2018). Novel quantitative PCR assay specific for the emerging *Perkinsea* amphibian pathogen reveals seasonal infection dynamics. *Diseases of Aquatic Organisms*, 129(2), pp.85-98.

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Mutnale, M. C. Anand, S. Eluvathingal, L. M. Roy, J. K. Reddy, G. S. Vasudevan, K. (2018). Enzootic frog pathogen *Batrachochytrium dendrobatidis* in Asian tropics reveals high ITS haplotype diversity and low prevalence. *Scientific Reports*, 8(1), pp.10125.

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<http://jeb.biologists.org/content/221/14/jeb183707.long>

Riddell, E. A. Odom, J. P. Damm, J. D. Sears, M. W. (2018). Plasticity reveals hidden resistance to extinction under climate change in the global hotspot of salamander diversity. *Science Advances* 11, 4(7).

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Smith, H. K. Pasmans, F. Dhaenens, M. Deforce, D. Bonte, D. Verheyen, K. Lens, L. Martel, A. (2018) Skin mucosome activity as an indicator of *Batrachochytrium* salamandrivorans susceptibility in salamanders. *PLoS ONE*, 13(7).

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Smith, W. H. Wooten, J. A. Camp, C. D. Stevenson, D. J. Jensen, J. B. Turner, M. Alexander, N. R. (2018). Genetic divergence correlates with the contemporary landscape in populations of Slimy Salamander (*Plethodon glutinosus*) species complex across the lower Piedmont and Coastal Plain of the southeastern United States. *Canadian Journal of Zoology*, 96(11), pp.1244-1254.

<http://www.nrcresearchpress.com/doi/abs/10.1139/cjz-2018-0050#.XEKvAs1S-00>

Tornabene, B. J. Blaustein, A. R. Briggs, C. J. Calhoun, D. M. Johnson, P. T. J. Mcdevitt-Galles, T. Rohr, J. R. Hoverman, J. T. (2018). The influence of landscape and environmental factors on ranavirus epidemiology in a California amphibian assemblage. *Freshwater Biology*, 63(7), pp.639-651.

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Urbina, J. Bredeweg, E. Garcia, T. Blaustein, A. (2018). Host–pathogen dynamics among the invasive American bullfrog (*Lithobates catesbeianus*) and chytrid fungus (*Batrachochytrium dendrobatidis*). *Hydrobiologia*, 817(1), pp 267–277.

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Vancine, M. H. Duarte, K. de S. de Souza, Y. S. Giovanelli, J. G. R. Martins-Sobrinho, P. M. (2018). Atlantic Amphibians: a data set of amphibian communities from the Atlantic Forests of South America. *Ecology*, 99(7), pp.1692-1692.

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**August**

Acevedo, A. A. Armesto Sanguino, O. Olarte Quiñónez, C. A. Solano, L. Albornoz Espinel, M. M. Cabrera, J. A. Carrero Sarmiento, D. A. (2018) Potential species richness of frogs and diurnal butterflies in three biogeographical units from northeastern Colombia: conservation Implications. *Acta Biológica Colombiana*, 23(2). Pp.151-162.

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Carter, S. K. Saenz, D. Rudolf, V. H. W. (2018). Shifts in phenological distributions reshape interaction potential in natural communities. *Ecology Letters*, 21(8), pp.1143-1151.

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Hu, L. Chernick, M. Hinton, D. E. Shi, H. (2018). Microplastics in Small Waterbodies and Tadpoles from Yangtze River Delta, China. *Environmental Science & Technology*, 52(15), pp.8885-8893.

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## September

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