



Centre Méditerranéen Environnement et Biodiversité

INVITED RESEARCHERS

LIST OF PUBLICATIONS

2016-2018 (May)

- 2016 -

Johnson SE, Amatangelo KL, Townsend PA, Waller DM (2016) Large, connected floodplain forests prone to flooding best sustain plant diversity. *Ecology* 97 (11): 3019-3030. **[CeMEB Invited researcher]**

- 2017 -

Ash JD, Givnish TJ, Waller DM (2017) Tracking lags in historical plant species' shifts in response to regional climate change. *Global Change Biology* 23 (3): 1305-1315. **[CeMEB Invited researcher]**

Cruz P, Winke T, Ledru M-P, Bernard C, Egan N, Swingedouw D, Joffre R (2017) Rain-fed agriculture thrived despite climate degradation in the pre-Hispanic arid Andes. *Science Advances* 3 (12): e1701740. **[CeMEB Invited researcher]**

Estoup A, Hufbauer RA (2017) A valuable work lying at the crossroad of neuroethology, evolution and ecology in the fruit pest *Drosophila suzukii*. *Peer Community in Evolutionary Biology*: 100017. **[CeMEB Invited researcher]**

Facon B, Estoup A, Hufbauer RA, Foucaud J, Tayeh A (2017) Mating status influences cold tolerance and subsequent reproduction in the invasive ladybird *Harmonia axyridis*. *Frontiers in Ecology and Evolution* 5: 108. **[CeMEB Invited researcher]**

Fraimout A, Debat V, Fellous S, Hufbauer RA, Foucaud J, Pudlo P, Marin J-M, Price DK, Cattel J, Chen X, Deprá M, Duyck P-F, Guedot C, Loeb G, Kenis M, Kimura MT, Loiseau A, Martinez-Sañudo I, Pascual M, Polihronakis Richmond M, Sheare P, Singh N, Tamura T, Xuéreb A, Zhang J, Estoup A (2017) Deciphering the invasion routes of *Drosophila suzukii* by means of ABC random forest. *Molecular Biology and Evolution* 34 (4): 980-996. **[CeMEB Invited researcher]**

Hufbauer RA (2017) Admixture is a driver rather than a passenger in experimental invasions. *Journal of Animal Ecology* 86 (1): 4-6. **[CeMEB Invited researcher]**

Li D, Ives AR, Waller DM (2017) Can functional traits explain phylogenetic signal in the composition of a plant community? *New Phytologist* 214 (2): 607-618. **[CeMEB Invited researcher]**

Li D, Waller DM (2017) Fire exclusion and climate change interact to affect long-term changes in the functional composition of fire-adapted plant communities. *Diversity and Distributions* 23: 496-506. **[CeMEB Invited researcher]**

Stewart GS, Morris MR, Genis AB, Szucs M, Melbourne BA, Tavener SJ, Hufbauer RA (2017) The power of evolutionary rescue is constrained by genetic load. *Evolutionary Applications* 10 (7): 731-741. **[CeMEB Invited researcher]**

Szucs M, Vahsen ML, Melbourne BA, Hoover C, Weiss-Lehman C, Hufbauer RA (2017) Rapid adaptive evolution in novel environments acts as an architect of population range expansion. *Proceedings of the National Academy of Sciences of the USA* 114 (51): 13501-13506. **[CeMEB Invited researcher]**

Verheyen K, De Frenne P, Baeten L, Waller DM, Hédl R, Perring MP, Blomdeel H, Brunet J, Chudomelová M, Decocq G, De Lombaerde E, Depauw L, Dirnböck T, Durak T,

Eriksson O, Gilliam FS, Heinken T, Heinrichs S, Hermy M, Jaroszewicz B, Jenkins MA, Johnson SE, Kirby KJ, Kopecký M, Landuyt D, Lenoir J, Li D, Macek M, Maes SL, Máliš F, Mitchell FJG, Naaf T, Peterken G, Petřík P, Reczyńska K, Rogers DA, Schei FH, Schmidt W, Standová T, Świerkosz K, Ujházy K, Van Calster H, Vellend M, Vild O, Woods K, Wulf M, Bernhardt-Römermann M (2017) Combining biodiversity resurveys across regions to advance global change research. *BioScience* 67 (1): 73-83. **[CeMEB Invited researcher]**

Weiss-Lehman C, Hufbauer RA, Melbourne BA (2017) Rapid trait evolution drives increased speed and variance in experimental range expansions. *Nature Communications* 8: 14303. **[CeMEB Invited researcher]**

- 2018 -

Waller DM, Rogers D, Mudrak E (2018) Do metacommunity mass effects predict changes in species incidence and abundance? *Ecography* 41 (1): 11–23. **[CeMEB Invited researcher]**