* Chifflet, L., Guzman, N.V., **Rey, O**., Confalonieri, V.A., Calcaterra, L.A. (2018) Southern expansion of the invasive ant *Wasmannia auropunctata* witin its native range and its relation with clonality and human activity. *Plos One*, 13 : e0206602
* **Rey O**., Danchin E,  Mirouze M, Loot C, and  Blanchet S.  (2016) Adaptation to global change: a transposable element-epigentics perspectives. *Trends in Ecology & Evolution* 31: 514-526
* Mazé-Guilmo E., Blanchet S., **Rey, O**., Canto N. and Loot G (2016) Local adaptation drives thermal tolerance in parasite populations: A common garden experiment. *Proceedings of the Royal Society B* 283: 2016087
* Chifflet, L., Rodriguero, M. S., Calcaterra, L. A., **Rey, O**., Dinghi, P. A., Baccaro, F. B., Souza, J. L. P., Follett, P. and Confalonieri, V. A. (2016), Evolutionary history of the little fire ant *Wasmannia auropunctata* before global invasion: inferring dispersal patterns, niche requirements and past and present distribution within its native range. *Journal of Evolutionary Biology* 29: 790–809
* **Rey O**., Fourtune L., Paz-Vinas I., Loot G., Veyssière C., Roche B. and  Blanchet S.  (2015)  Elucidating the spatio-temporal dynamics of an emerging wildlife pathogen using approximate Bayesian computation. *Molecular Ecology* 24: 5348-5363