

Publications

- [21] Attia S, Renoz F, Pons I, Louâpre P, **Foray V**, Piedra JM, Sanané I, Le Goff G, Lognay G, Hance T. (*in press*) The aphid facultative symbiont *Serratia symbiotica* influences the foraging behaviors and the life-history traits of the parasitoid *Aphidius ervi*. *Entomologia Generalis*.
- [20] Iltis C, Tougeron K, Hance T, Louâpre P, **Foray V**. (*in press*) A perspective on insect–microbe holobionts facing thermal fluctuations in a climate-change context. *Environmental Microbiology*. <https://doi.org/10.1111/1462-2920.15826>
- [19] Jerbi-Elayed M, **Foray V**, Tougeron K, Lebdi-Grissa K, Hance T. (2021) Developmental Temperature Affects Life-History Traits and Heat Tolerance in the Aphid Parasitoid *Aphidius colemani*. *Insects*, 12(10): 852. <https://doi.org/10.3390/insects12100852>
- [18] Renoz F, **Foray V**, Amboise J, Baa-Puyoulet P, Bearzatto B, Mendez GL, Grigorescu AS, Mahillon J, Mardulyn P, Gala JL, Calevro F, Hance T. (2021) At the Gate of Mutualism: Identification of Genomic Traits Predisposing to Insect-Bacterial Symbiosis in Pathogenic Strains of the Aphid Symbiont *Serratia symbiotica*. *Frontiers in cellular and infection microbiology*, 11: 588. <https://doi.org/10.3389/fcimb.2021.660007>
- [17] Chevignon G, **Foray V**, Pérez-Jiménez MM, Libro S, Chung M, Foster JM, Landmann F. (2021) Dual RNAseq analyses at soma and germline levels reveal evolutionary innovations in the elephantiasis-agent *Brugia malayi*, and adaptation of its *Wolbachia* endosymbionts. *PLoS Neglected Tropical Diseases*, 15: e0008935. <https://doi.org/10.1371/journal.pntd.0008935>
- [16] Renoz F, Pons I, Noël C, Lebdi-Grissa K, **Foray V**, Hance T. (2020) Facultative symbionts associated with aphid populations in citrus orchards in northern Tunisia. *European Journal of Entomology*, 117: 149-156.
- [15] Renoz F, Pons I, Vanderpoorten A, Bataille G, Noël C, **Foray V**, Pierson V, Hance T. (2019) Evidence for Gut-Associated *Serratia symbiotica* in Wild Aphids and Ants Provides New Perspectives on the Evolution of Bacterial Mutualism in Insects. *Microbial Ecology*, 78 (1): 159-169. <https://doi.org/10.1007/s00248-018-1265-2>
- [14] Pirotte J, Lorenzi A, **Foray V**, Hance T. (2018) Impact of differences in nutritional quality of wingless and winged aphids on parasitoid fitness. *Journal of Experimental Biology*, 221: jeb185645. <https://doi.org/10.1242/jeb.185645>
- [13] **Foray V***, Pérez-Jiménez MM*, Fattouh N, Landmann F. (2018) *Wolbachia* control stem cell behavior and stimulate germline proliferation in filarial nematodes. *Developmental Cell*, 45: 198-211. <https://doi.org/10.1016/j.devcel.2018.03.017>
- [12] Fakour S, Ambroise J, Renoz F, **Foray V**, Gala JL, Hance T. (2018) A large-scale field study of bacterial communities in cereal aphid populations across Morocco. *FEMS Microbiology Ecology*, 94: fiy003. <https://doi.org/10.1093/femsec/fiy003>
- [11] Grigorescu AS, Renoz F, Sabri A, **Foray V**, Hance T & Thonart P. (2017) Accessing the hidden microbial diversity of aphids: an illustration of how culture dependent methods

- can be used to decipher the insect microbiota. *Microbial Ecology*, 45: 1035-1048. <https://doi.org/10.1007/s00248-017-1092-x>
- [10] Renoz F, Champagne A, Degand H, Faber AM, Morsomme P & **Foray V**, Hance T. (2017) Toward a better understanding of the mechanisms of symbiosis: a comprehensive proteome map of a nascent insect symbiont. *PeerJ*, 5: e3291.
- [9] Renoz F, Noël C, Errachid A, **Foray V** & Hance T. (2015) Infection Dynamic of Symbiotic Bacteria in the Pea Aphid *Acyrtosiphon pisum* Gut and Host Immune Response at the Early Steps in the Infection Process. *PlosOne*, 10: e0122099. <https://doi.org/10.1371/journal.pone.0122099>
- [8] Jerbi-Elayed M, Lebdi-Grissa K, **Foray V**, Muratori F & Hance T. (2015) Multiple trait estimation of heat shock effect on the fitness of *Aphidius colemani* Viereck (Hymenoptera: Aphidiinae). *Entomologia Experimentalis et Applicata*, 155: 18-27. <https://doi.org/10.1111/eea.12273>
- [7] **Foray V**, Grigorescu A, Sabri A, Haubruge E, Lognay G, Francis F, Fauconnier ML, Thonart P & Hance T. (2014) Whole-genome sequence of *Serratia symbiotica* strain CWBI2.3, a free-living symbiont of the Black Bean Aphid *Aphis fabae*. *Genome Announcements*, 2: e00767-14.
- [6] **Foray V**, Desouhant E & Gibert P. (2014) The impact of thermal fluctuations on reaction norms in specialist and generalist parasitic wasps. *Functional Ecology*, 28: 411-423. <https://doi.org/10.1111/1365-2435.12171>
- [5] **Foray V**, Desouhant E, Voituron Y, Larvor V, Renault D, Colinet H & Gibert P. (2013) Does cold tolerance plasticity correlate with the thermal environment and metabolic profiles of a parasitoid wasp? *Comparative Biochemistry & Physiology Part A: Molecular & Integrative Biology*, 164: 77-83. <https://doi.org/10.1016/j.cbpa.2012.10.018>
- [4] **Foray V**, Henri H, Martinez S, Gibert P & Desouhant E. (2013) Occurrence of arrhenotoky and thelytoky in a parasitic wasp: effect of endosymbionts or existence of two distinct reproductive modes? *European Journal of Entomology*, 110: 103-107.
- [3] Amat I, Besnard S, **Foray V**, Pelosse P, Bernstein C & Desouhant E. (2012) Fuelling flight in a parasitic wasp: which energetic substrate to use? *Ecological Entomology*, 37: 480-489.
- [2] **Foray V***, Péliisson PF*, Bel-Venner MC, Desouhant E, Venner S, Menu F, Giron D & Rey B. (2012) A handbook for uncovering the complete energetic budget in insects: the van Handel's methods (1985a, b) revisited. *Physiological Entomology*, 37: 295-302. <https://doi.org/10.1111/j.1365-3032.2012.00831.x>
- [1] **Foray V**, Gibert P & Desouhant E. (2011) Differential thermal performance curves in response to different habitats in the parasitoid *Venturia canescens*. *Naturwissenschaften*, 98: 683-691. <https://doi.org/10.1007/s00114-011-0818-8>