

## KOSTAS BOURTZIS

### PUBLICATIONS

33. O. Duron, C. Bernard, S. Unal, J. Lagnel, **K. Bourtzis**, M. Raymond and M. Weill (2005). World distribution and genetic diversity of *Wolbachia* inducing cytoplasmic incompatibilities in the mosquito *Culex pipiens*. *Molecular Ecology*, In Press.
32. S. Zabalou, M. Riegler, M. Theodorakopoulou, C. Stauffer, C. Savakis and **K. Bourtzis** (2004). *Wolbachia*-induced cytoplasmic incompatibility as a means for insect pest population control. *Proceedings of National Academy of Sciences USA*, **101**: 15042-15045.
31. Z. Veneti, M. E. Clark, T. L. Karr, C. Savakis and **K. Bourtzis** (2004). Heads or tails: host-parasite interactions in the *Drosophila-Wolbachia* system. *Applied and Environmental Microbiology*, **70**: 5366-5372.
30. S. Zabalou, S. Charlat, A. Nirgianaki, D. Lachaise, H. Merçot and **K. Bourtzis** (2004). Natural *Wolbachia* infections in the *Drosophila yakuba* species complex do not induce cytoplasmic incompatibility but fully rescue the wRi modification. *Genetics*, **167**: 827-834.
29. L.M. Gomulski, S. Brogna, A. Babaratsas, G. Gasperi, A. Zacharopoulou, C. Savakis and **K. Bourtzis** (2004). Molecular basis of the size polymorphism of the first intron of the *Adh-1* gene of the Mediterranean fruit fly, *Ceratitidis capitata*. *Journal of Molecular Evolution*, **58**: 732-742.
28. Z. Veneti, M.E. Clark, S. Zabalou, T.L. Karr, C. Savakis and **K. Bourtzis** (2003). Cytoplasmic incompatibility and sperm cyst infection in different *Drosophila-Wolbachia* associations. *Genetics*, **164**: 545-552.
27. A. Nirgianaki, G.K. Banks, D. Frohlich, Z. Veneti, H.R. Braig, T.A. Miller, I.D. Bedford, P.G. Markham, C. Savakis, and **K. Bourtzis** (2003) *Wolbachia* infections of the whitefly *Bemisia tabaci*. *Current Microbiology*, **47**: 93-101.
26. M.E. Clark, Z. Veneti, **K. Bourtzis**, T.L. Karr (2003). *Wolbachia* distribution and Cytoplasmic Incompatibility in *Drosophila*: the cyst as the basic cellular unit of CI expression. *Mechanisms of Development*, **120**: 85-98.
25. **K. Bourtzis** and T. Miller eds. (2003). *Insect Symbiosis*. CRC Press, Florida, USA, pp. 347.
24. **K. Bourtzis**, H.R. Braig and T.L. Karr (2003). Cytoplasmic Incompatibility. In: **K. Bourtzis**, T. Miller, eds. *Insect Symbiosis*. CRC Press, Florida, USA, pp. 217-246.
23. **K. Bourtzis** (2003). *Wolbachia*: symbionts as reproductive parasites. In: A. Legakis, S. Sfenthourakis, R. Polymeni & M. Thessalou-Legaki, eds. *The New Panorama of Animal Evolution*. Proc. 18<sup>th</sup> Int. Congr. Zoology. Pensoft Publishers, Sofia & Moscow, pp. 523-526.
22. S. Charlat, **K. Bourtzis** and H. Mercot (2002). *Wolbachia*-induced cytoplasmic incompatibility. In: *Symbiosis, Mechanisms and Model Systems, Volume 4, Cellular Origin and Life in Extreme Habitats*, Seckbach, J., Ed., Kluwer, Dordrecht, p. 623-644.
21. S. Charlat, A. Nirgianaki, **K. Bourtzis** and H. Mercot (2002). Evolution of *Wolbachia*-induced cytoplasmic incompatibility in *Drosophila simulans* and *D. sechellia*. *Evolution*, **56**: 1735-1742.
20. S.L. Dobson, E.J. Marsland, Z. Veneti, **K. Bourtzis** and S.L. O'Neill (2002). Characterization of *Wolbachia* host cell range via the *in vitro* establishment of infections. *Applied and Environmental Microbiology*, **68**: 656-660.

19. M.E. Clark, Z. Veneti, **K. Bourtzis**, T.L. Karr (2002). The distribution and proliferation of the intracellular bacteria *Wolbachia* during spermatogenesis in *Drosophila*. *Mechanisms of Development*, **111**: 3-15.
18. **K. Bourtzis**, M.M. Pettigrew and S.L. O'Neill (2000). *Wolbachia* neither induces nor suppresses transcripts encoding antimicrobial peptides. *Insect Molecular Biology* **9**: 635-639.
17. S. Oehler and **K. Bourtzis** (2000). First International *Wolbachia* Conference: *Wolbachia* 2000. *Symbiosis* **29**: 151-161.
16. **K. Bourtzis** and H.R. Braig (1999). The many faces of *Wolbachia*. In: D. Raoult, P. Brouqui, eds. *Rickettsiae and Rickettsial diseases at the turn of the third millennium*. Elsevier, Amsterdam, The Netherlands, p. 199-219.
15. L. Sun, A. Babaratsas, C. Savakis, S.L. O'Neill and **K. Bourtzis** (1999). Gene organization of the *dnaA* region of *Wolbachia*. *Journal of Bacteriology* **181**: 4708-4710.
14. S. Dobson, **K. Bourtzis**, H.R. Braig, B.F. Jones, W. Zhou, F. Rousset and S.L. O'Neill (1999). *Wolbachia* infections are distributed throughout insect somatic and germ line tissues. *Insect Biochemistry and Molecular Biology* **29**: 153-160.
13. L.M. Gomulski, **K. Bourtzis**, S. Brogna, P. A. Morandi, C. Bonvicini, F. Sebastiani, C. Torti, C.R. Guglielmino, C. Savakis, G. Gasperi and A.R. Malacrida (1998). Intron size polymorphism of the *Adh1* gene parallels the world-wide colonization history of the Mediterranean fruit fly *Ceratitis capitata*. *Molecular Ecology* **7**: 1729-1741.
12. D. Poinsoot\*, **K. Bourtzis**\*, G. Markakis, C. Savakis and H. Mercot (1998). *Wolbachia* transfer from *Drosophila melanogaster* to *D. simulans*: host effect and cytoplasmic incompatibility relationships. *Genetics* **150**: 227-237. (\* equal contributors).
11. **K. Bourtzis**, S.L. Dobson, H.R. Braig and S.L. O'Neill (1998). Rescuing *Wolbachia* have been overlooked. *Nature* **391**: 852-853.
10. **K. Bourtzis** and S.L. O'Neill (1998). *Wolbachia* infections and their influence on arthropod reproduction. *Bioscience* **48**: 287-293.
9. **K. Bourtzis**, A. Nirgianaki, G. Markakis and C. Savakis (1996). *Wolbachia* infection and cytoplasmic incompatibility in *Drosophila* species. *Genetics* **144**: 1063-1073.
8. **K. Bourtzis**, A. Nirgianaki, P. Onyango and C. Savakis (1994). A prokaryotic *dnaA* sequence in *D. melanogaster*: *Wolbachia* infection and cytoplasmic incompatibility among laboratory strains. *Insect Molecular Biology* **3**: 131-142.
7. **K. Bourtzis**, V.J. Marmaras and A. Zacharopoulou (1993). Biochemical and genetic studies on alkaline phosphatase of *Ceratitis capitata*. *Biochemical Genetics* **31**: 409-424.
6. S. Tsakas, P.G. Katsoris, **K. Bourtzis** and V.J. Marmaras (1991). Incorporation of arylphorins (LSP-1) and LSP-2 like protein into the integument of *Ceratitis capitata* during pupariation. *Insect Biochemistry* **21**: 507-515.
5. **K. Bourtzis** and V.J. Marmaras (1991). Integumental phosphatase isoenzymes from white puparia of *Ceratitis capitata*: Isolation and characterization. *Biochemistry and Cell Biology* **69**: 731-735.
4. **K. Bourtzis**, C. Psachoulia and V.J. Marmaras (1991). Evidence that different integumental phosphatases exist during development in the Mediterranean fruit fly *Ceratitis capitata*: Possible involvement in pupariation. *Comparative Biochemistry and Physiology* **98B**: 411-416.
3. A. Zacharopoulou, **K. Bourtzis** and Ph. Kerremans (1991). A comparison of polytene chromosomes in salivary glands and orbital bristle trichogen cells in *Ceratitis capitata*. *Genome* **34**: 215-219.

2. Ph. Kerremans, **K. Bourtzis** and A. Zacharopoulou (1990). Cytogenetic analysis of three genetic sexing strains of *Ceratitis capitata*. *Theoretical and Applied Genetics* **80**: 177-182.
1. C. Psachoulia, **K. Bourtzis** and V.J Marmaras (1989). Purification and characteristics of a specific alkaline phosphatase from the integument of the Mediterranean fruit fly *Ceratitis capitata*. *Archives of Insect Biochemistry and Physiology* **11**: 217-230.