

## Peer Reviewed Publications of Mariangela Bonizzoni

1. Bonizzoni M, Attardo G. Editorial overview: Vectors and medical and veterinary entomology: Becoming vectors or victims, the intriguing interplay between insects and viruses. *Curr Opin Insect Sci.* 2017 Aug; 22:v-vii. doi:10.1016/j.cois.2017.07.010. PubMed PMID: 28805646.
2. Olson KE, Bonizzoni M. Nonretroviral integrated RNA viruses in arthropod vectors: an occasional event or something more? *Curr Opin Insect Sci.* 2017 Aug; 22:45-53. doi: 10.1016/j.cois.2017.05.010. Epub 2017 May 19. Review. PubMed PMID: 28805638.
3. Palatini U, Miesen P, Carballar-Lejarazu R, Ometto L, Rizzo E, Tu Z, van Rij RP, Bonizzoni M. Comparative genomics shows that viral integrations are abundant and express piRNAs in the arboviral vectors *Aedes aegypti* and *Aedes albopictus*. *BMC Genomics.* 2017 Jul 5;18(1):512. doi: 10.1186/s12864-017-3903-3. PubMed PMID: 28676109; PubMed Central PMCID: PMC5497376.
4. Manni M, Guglielmino CR, Scolari F, Vega-Rúa A, Failloux AB, Somboon P, Lisa A, Savini G, Bonizzoni M, Gomulski LM, Malacrida AR, Gasperi G. Genetic evidence for a worldwide chaotic dispersion pattern of the arbovirus vector, *Aedes albopictus*. *PLoS Negl Trop Dis.* 2017 Jan 30;11(1):e0005332. doi: 10.1371/journal.pntd.0005332. eCollection 2017 Jan. PubMed PMID: 28135274; PubMed Central PMCID: PMC5300280.
5. Xu J, Bonizzoni M, Zhong D, Zhou G, Cai S, Li Y, Wang X, Lo E, Lee R, Sheen R, Duan J, Yan G, Chen XG. Multi-country Survey Revealed Prevalent and Novel F1534S Mutation in Voltage-Gated Sodium Channel (VGSC) Gene in *Aedes albopictus*. *PLoS Negl Trop Dis.* 2016 May 4;10(5):e0004696. doi: 10.1371/journal.pntd.0004696. eCollection 2016 May. PubMed PMID: 27144981; PubMed Central PMCID: PMC4856356.
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7. Manni M, Lima KM, Guglielmino CR, Lanzavecchia SB, Juri M, Vera T, Cladera J, Scolari F, Gomulski L, Bonizzoni M, Gasperi G, Silva JG, Malacrida AR. Relevant genetic differentiation among Brazilian populations of *Anastrepha fraterculus* (Diptera, Tephritidae). *Zookeys.* 2015 Nov 26;(540):157-73. doi: 10.3897/zookeys.540.6713. eCollection 2015. PubMed PMID: 26798258; PubMed Central PMCID: PMC4714068.
8. Chen XG, Jiang X, Gu J, Xu M, Wu Y, Deng Y, Zhang C, Bonizzoni M, Dermauw W, Vontas J, Armbruster P, Huang X, Yang Y, Zhang H, He W, Peng H, Liu Y, Wu K, Chen J, Lirakis M, Topalis P, Van Leeuwen T, Hall AB, Jiang X, Thorpe C, Mueller RL, Sun C, Waterhouse RM, Yan G, Tu ZJ, Fang X, James AA. Genome sequence of the Asian Tiger mosquito, *Aedes albopictus*, reveals insights into its biology, genetics, and evolution. *Proc Natl Acad Sci U S A.* 2015 Nov 3;112(44):E5907-15. doi: 10.1073/pnas.1516410112. Epub 2015 Oct 19. Erratum in: *Proc Natl Acad Sci USA.*

2016 Jan 26;113(4):E489. PubMed PMID: 26483478; PubMed Central PMCID: PMC4640774.

9. Bonizzoni M, Ochomo E, Dunn WA, Britton M, Afrane Y, Zhou G, Hartsel J, Lee MC, Xu J, Githeko A, Fass J, Yan G. RNA-seq analyses of changes in the *Anopheles gambiae* transcriptome associated with resistance to pyrethroids in Kenya: identification of candidate-resistance genes and candidate-resistance SNPs. *Parasit Vectors*. 2015 Sep 17;8:474. doi: 10.1186/s13071-015-1083-z. PubMed PMID: 26381877; PubMed Central PMCID: PMC4574070.

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11. Macias V, Coleman J, Bonizzoni M, James AA. piRNA pathway gene expression in the malaria vector mosquito *Anopheles stephensi*. *Insect Mol Biol*. 2014 Oct;23(5):579-86. doi: 10.1111/imb.12106. Epub 2014 Jun 19. PubMed PMID: 24947897; PubMed Central PMCID: PMC4159409.

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