

Personal information	
Name	Anastasia Kampouraki
Date of birth	22.08.1985
Nationality	Greek
E-mail	kampouraki.an@gmail.com
Education	
2016-present	PhD candidate in Pesticide Science Laboratory, Agricultural University of Athens, Greece, supervised by Pr John Vontas
2010-2012	University of Crete Biology Department Postgraduate Studies Program : Environmental Biology - Management of Terrestrial and Marine Resources
2003-2010	Agricultural University of Athens Agricultural Biotechnology Department
Work/training experience	
11/03/2016	Researcher associate in Molecular Entomology Laboratory of Biology Department of University of Crete.
09/05/2016 - 08/11/2016	Research associate in National Agricultural Research Foundation (NAGREF) Hellenic Agricultural Organization (HAO) DIMITER - Plant protection Institute (IPP), Laboratory of Entomology and Agricultural Zoology. Project title: «Explanation of the good results against virus transmission by investigating the effects of flupyradifurone on adults and nymphs of white fly Bemisia tabaci and determining the persistence»
01/09/2012 - 31/05/2015	Research associate in Molecular Entomology Laboratory of Biology Department of University of Crete. Projects participating: «HSR Technology 2013-2015 (Aristeia), Genomic approaches for understanding xenobiotic detoxification of the

<p>15/06/2012 - 15/08/2012</p>	<p>olive fruit fly and its adaptation to olives, and biological genetic sexing for improving SIT», «HSR Technology 2012-2015 (Thalis), Genomic and functional approaches for understanding insecticide resistance mechanisms in major agricultural pests», «FP7-AFRICA-2010: HEALTH.2010.2.3.2-4 Controlling malaria by hitting the vector: New or improved - Vector Control Tools (2011-2015). Title: African Vector Control: New tools (AvecNet)»</p> <p>Erasmus Program Scholarship. Three months training in Liverpool School of Tropical Medicine</p>
<p>Job-related skills</p>	
<ul style="list-style-type: none"> ▪ Molecular techniques (PCR, Real Time PCR, semi-qPCR, Multiplex PCR, PCR-RFLP, Long-PCR, cloning, RNA/DNA extraction, cDNA synthesis) ▪ Protein techniques (Recombinant protein expression, extraction and characterization, Acrylamide gel analysis and Western blot) ▪ Microscopy (plant and insect tissues fixation for Scan Electron Microscope (SEM)) ▪ Insects maintenance (mosquitoes, olive fly, whitefly, spider mites, cotton bollworm) ▪ Bioassays tests in insects (Mosquitoes, olive fly, whitefly, cotton bollworm) ▪ Other techniques: Microinjections to adult mosquitoes, adult olive flies and larvae of cotton bollworm. Cryosections and immunostaining in mosquitoes. Radiolabeled insecticide extraction and measuring in mosquitoes. Lipids extraction with organic solvent and chromatographic analysis of hydrocarbons (Thin Layer Chromatography) in mosquitoes. 	
<p>Computer skills</p>	
<ul style="list-style-type: none"> ▪ Proficient User of Office software (word, excel, powerpoint) ▪ Proficient User of other software: ImageJ, Photoshop, Polo plus, IBM Spss statistics, 	
<p>Language skills</p>	
<ul style="list-style-type: none"> ▪ Greek: Native speaker ▪ English: First Certificate in English (University of Cambridge) 	

Funding

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List of publications

- **Anastasia Kampouraki**, Marianna Stavrakaki, Aggeliki Karataraki, Georgios Katsikogiannis, Evanthia Pitika, Kiriaki Varikou, Antonia Vlachaki, Antonios Chrysargyris, Eleni Malandraki, Nikolaos Sidiropoulos, Antonios Paraskevopoulos, Dimitra Gkilpathi, Emmanouil Roditakis, John Vontas (2018) *Recent evolution and operational impact of insecticide resistance in olive fruit fly *Bactrocera oleae* populations from Greece*. Journal of Pest Science, 91: 1429. <https://doi.org/10.1007/s10340-018-1007-8>
- Nena Pavlidi, **Anastasia Kampouraki**, Vasilis Tseliou, Nicky Wybouw, Wannes Dermauw, Emmanouil Roditakis, Ralf Nauen, Thomas Van Leeuwen, John Vontas (2018) *Molecular characterization of pyrethroid resistance in the olive fruit fly *Bactrocera oleae**. Pesticide Biochemistry and Physiology, 148: 1-7 <https://doi.org/10.1016/j.pestbp.2018.03.011>
- Nena Pavlidi, Anastasia Gioti, Nicky Wybouw, Wannes Dermauw, Michael Ben-Yosef, Boaz Yuval, Edouard Jurkevich, **Anastasia Kampouraki**, Thomas Van Leeuwen, and John Vontas (2017) *Transcriptomic responses of the olive fruit fly *Bactrocera oleae* and its symbiont *Candidatus Erwinia dacicola* to olive feeding*. Scientific Reports. 2017;7:42633. <https://doi.org/10.1371/journal.pntd.0003771>
- Ben Longdon, Jonathan P Day, Nora Schulz, Philip T Leftwich, Maaike A de Jong, Casper J Breuker, Melanie Gibbs, Darren J Obbard, Lena Wilfert, Sophia CL Smith, John E McGonigle, Thomas M Houslay, Lucy I Wright, Luca Livraghi, Luke C Evans, Lucy A Friend, Tracey Chapman, John Vontas, **Natasa Kambouraki**, Francis M Jiggins (2017) *Vertically transmitted rhabdoviruses are found across three insect families and have dynamic interactions with their hosts*. Proc. R. Soc. B Biol. Sci., p. 284. <https://doi.org/10.1098/rspb.2016.2381>
- Vasileia Balabanidou, **Anastasia Kampouraki**, Marina MacLean, Gary J. Blomquist, Claus Tittiger, M. Patricia Juárez, Sergio J. Mijailovsky, George Chalepakis, Amalia Anthousi, Amy Lynd, Sanou Antoine, Janet Hemingway, Hilary Ranson, Gareth J. Lycett, and John Vontas (2016) *Cytochrome P450 associated with insecticide resistance catalyzes cuticular hydrocarbon production in *Anopheles gambiae**. Proc Natl Acad Sci U S A. <https://doi.org/10.1073/pnas.1608295113>
- Linda Grigoraki, Jacques Lagnel, Ilias Kioulos, **Anastasia Kampouraki**, Evangelia Morou, Pierrick Labbé, Mylene Weill, John Vontas (2015) *Transcriptome profiling and genetic study reveal amplified carboxylesterase genes implicated in temephos resistance, in the Asian Tiger Mosquito *Aedes albopictus**. PLoS Negl Trop Dis 9(5):e0003771. <https://doi.org/10.1371/journal.pntd.0003771>
- Ilias Kioulos, **Anastasia Kampouraki**, Evangelia Morou, George Skavdis, John Vontas (2014) *Insecticide resistance status in the major West Nile virus vector *Culex pipiens* from Greece*. Pest Management Science 70: 623-627 <https://doi.org/10.1002/ps.3595>

Oral Presentations

- **A. Kampouraki**, E. Roiditakis, N. Pavlidi, A. Vlachaki, M. Stavrakaki, I. Vouganis, D. Gilpathi and J. Vontas Analysis and monitoring of insecticide resistance in the olive fruit fly *Bactrocera oleae* (Diptera: Tephritidae). 17th Panhellenic Entomological Congress Athens, Agricultural University of Athens, 19-22 September 2017

List of conference posters/oral presentations

- J. Vontas, N. Pavlidi, **A. Kampouraki**, M. Stavrakaki, N. Wybouw, W. Dermauw, R. Nauen, T. Van Leeuwen, E. Roiditakis Pyrethroid resistance in the olive fruit fly *Bactrocera oleae* : evolution, molecular characterisation and operational impact. 14th European Congress of Entomology. 2-6 JULY 2018. NAPLES, ITALY
- L. Grigoraki, L. Swevers, **A. Kampouraki**, V. Mpalampanidou, P. Labbe, A. Chaskopoulou, M. Weill and J. Vontas Molecular characterization and geographical distribution of temephos resistance in the major dengue and chikungunya vector *Aedes albopictus*. 17th Panhellenic Entomological Congress Athens, Agricultural University of Athens, 19-22 September 2017
- V. Balabanidou, M. Aivaliotis, J.R. Girotti, **A. Kampouraki**, G. Lycett, H. Ranson, P. Juarez and J. Vontas The Achilles' heel of *Anopheles gambiae*? (LEGOmics). 17th Panhellenic Entomological Congress Athens, Agricultural University of Athens, 19-22 September 2017
- N. Pavlidi, **A. Kampouraki**, V. Tseliou, N. Wybou, W. Dermauw, T. Van Leeuwen, J. Vontas. Identification and molecular characterization of pyrethroid resistance in the olive fruit fly *Bactrocera oleae*. 16th Panhellenic Entomological Congress Heraklio, 20-23 October 2015
- C. CH. Voudouris, P.A. Eliopoulos, P. Skouras, A.P. Kalaitzaki, **N. Kampouraki**, A.N. Kati, J. Vontas AND J.T. Margaritopoulos Monitoring of resistance of Greek Mediterranean fruit fly populations to the insecticides deltamethrin and spinosad. 16th Panhellenic Entomological Congress Heraklio, 20-23 October 2015
- L. Grigoraki, V. Balabanidou, M. Fotakis, A. Chaskopoulou, **N. Kampouraki**, A. Anthousi, G. Lycett, H. Ranson AND J. Vontas Molecular characterization of insecticide resistance in mosquito - disease vectors. 16th Panhellenic Entomological Congress Heraklio, 20-23 October 2015 (oral Grigoraki)
- Douris V., Koutsioulis D., **Kampouraki N.**, Marinis D., Mironidis G.K., Christou I.K., Bouriotis V. and Vontas J. Molecular and functional characterization of three chitin deacetylase-like genes from *Helicoverpa armigera*. 9th International Workshop on the Molecular Biology and Genetics of the Lepidoptera, Kolympari, Crete, Greece, 17-23 August 2014 (poster)
- N. Pavlidi, N. Wybouw, W. Dermauw, **A. Kampouraki**, Y. Livadaras, G. Skavdis, T. Van Leeuwen, J. Vontas. Genomic approaches for understanding the adaptation of the olive fruit fly *Bactrocera oleae* to olives. XVI International Congress on Molecular Plant-Microbe Interactions, Rhodes 6-10 July 2014 (poster).
- Grigoraki L., Poupardin R., Pavlidi N., **Kampouraki A.**, Lirakis M., Morou E., Wondji C., and Vontas J. Molecular characterization of temephos resistance in the major dengue and chikungunya vector *Aedes albopictus*, 2013 Kolympari mosquito meeting, Kolympari Greece, 15-19

July 2013 (oral Grigoraki).