

CURRICULUM VITAE
KONSTANTINA T. TSOUMANI

PERSONAL DETAILS

Date & place of birth: 11.09.1983, Ioannina, Greece
Nationality: Greek
Address: Ploutonos 26, 41221, Larissa, Greece
Phone number: +302410565296
E – mail: kotsouma@bio.uth.gr

ACADEMIC DEGREES

- 09/2006-06/2012: PhD in Molecular Biology and Genomics
Department of Biochemistry & Biotechnology, University of Thessaly, Greece
PhD Thesis: “Molecular analysis of genome organization and structure of the olive fruit fly, *Bactrocera oleae*”.
- 09/2001-03/2006: BSc in Biochemistry & Biotechnology
School of Health Sciences, University of Thessaly, Greece

LANGUAGES

- Greek: Native
- English: Certificate of Proficiency in English, University of Michigan.
- Italian: Certificato Medio di conoscenza della lingua italiana.

ACADEMIC AND RESEARCH EXPERIENCE

- 02/2013- Present: Visiting lecturer (PD 407/80) at the course of Molecular Biology I
Dept of Biochemistry & Biotechnology, University of Thessaly, Greece
- 08/2012- Present: Post-doctoral researcher
Laboratory of Molecular Biology & Genomics, *Dept of Biochemistry & Biotechnology, University of Thessaly, Greece*
- 2006-2013: Supervision of 7 graduate Diploma Theses, *Dept of Biochemistry & Biotechnology, University of Thessaly, Greece*
- 2008-2010: Invited lecturer on “Eukaryotic chromosomes” presented at the postgraduate course *Methodology and techniques*, MSc “Molecular Biology and Genetics Applications – Diagnostic Markers”. *Dept of Biochemistry & Biotechnology, University of Thessaly, Greece*
- 2007-2010: Teaching assistant at the Laboratory-Practical undergraduate course of Molecular Biology I & II, *Dept of Biochemistry & Biotechnology, University of Thessaly, Greece*
- 04/2007: 1st International Workshop Genomics, Evolution and Biodiversity, Athens, Greece
- 04/2005-03/2006: Diploma thesis in Molecular Biology
Title: “Physical map construction in the olive fly, *Bactrocera oleae*”, *Dept of Biochemistry & Biotechnology, University of Thessaly, Greece*
- 07/2003-09/2003: Practical training, Biochemistry Lab, *General Hospital of Ioannina, Greece*

PARTICIPATION IN RESEARCH PROJECTS

- 2013-2014: Post-doctoral Researcher
“Sexing strains based on embryonic lethality for SIT in olive fly”, financed by the Programme for the promotion of the exchange and scientific cooperation between Greece and Germany (IKYDA 2013). Principal Investigator: K. Mathiopoulos
- 2012-2015: Post-doctoral Researcher
“Novel approaches to Olive fly control: focus on olfactory and reproductive systems”, implemented under the "ARISTEIA" Action of the "OPERATIONAL PROGRAMME EDUCATION AND LIFELONG LEARNING" and co-funded by the European Social Fund (ESF) and National Resources. Principal Investigator: K. Mathiopoulos
- 01/2011-12/2011: Researcher
“HPV incidence in the upper respiratory system of the healthy human population of Thessaly”, financed by the “Targeted Research Actions” Programs of the University of Thessaly Research Committee. Principal Investigator: E. Peteinaki
- 04/2006-07/2007: PhD student
“Molecular analysis of olive fly chromosomes, with emphasis on the Y chromosome, as well as use of molecular markers for the assessment of the fly's invasion in California”, financed by the University Research Teams Support Program "Pythagoras II" of the Greek Ministry of National Education and Religious Affairs. Principal Investigator: K. Mathiopoulos

PEER-REVIEWED PUBLICATIONS

- **Tsoumani KT**, Drosopoulou E, Mavragani-Tsipidou P, Mathiopoulos KD. Molecular characterization and chromosomal distribution of a species-specific centromeric repetitive DNA sequence from the olive fruit fly, *Bactrocera oleae*. (submitted)
- **Tsoumani KT** and Mathiopoulos KD (2012) Genome size estimation with quantitative real-time PCR in two Tephritidae species: *Ceratitis capitata* and *Bactrocera oleae*. *J Appl Entomol.* 136(8): 626-631
<http://onlinelibrary.wiley.com/doi/10.1111/j.1439-0418.2011.01684.x/pdf>
- **Tsoumani KT**, Augustinos AA, Kakani EG, Drosopoulou E, Mavragani-Tsipidou P, Mathiopoulos KD. (2011) Isolation, functional analysis and applications of expressed sequence tags from *Bactrocera oleae*. *Molecular Genetics and Genomics.* 285(1): 33-45
<http://www.springerlink.com/content/w75r373un4371286/fulltext.pdf>
- Kakani EG, Zygouridis NE, **Tsoumani KT**, Seraphides N, Zalom FG, Kostas D Mathiopoulos KD (2010). Spinosad resistance development in wild olive fruit fly *Bactrocera oleae* (Diptera: Tephritidae) populations in California. *Pest Management Science.* 66(4): 345-460
<http://onlinelibrary.wiley.com/doi/10.1002/ps.1921/pdf>

MONOGRAPHS

Tsoumani, K.: Molecular analysis of genome organization and structure of the olive fruit fly, *Bactrocera oleae*. *PhD Thesis*. Department of Biochemistry & Biotechnology, University of Thessaly, Greece, June 2012.

ABSTRACTS IN INTERNATIONAL AND GREEK CONFERENCE PROCEEDINGS

- 2nd International Symposium of TEAM, Kolymbari, Greece (2012).
KT Tsoumani, AA Augustinos, EG Kakani, E Drosopoulou, P Mavragani-Tsipidou, KD Mathiopoulos. *Molecular*

analysis of genome organization and structure of the olive fly, Bactrocera oleae.

- 34th Scientific Conference of Hellenic Society for Biological Sciences, Trikala, Greece (2012).
MG Gregoriou, C Kouimani, EG Kakani, NE Zygouridis, **KT Tsoumani**, FG Zalom and KD Mathiopoulos.
Spinosad resistance in Bactrocera oleae.
- 6th International Symposium on of Molecular Insect Science, Amsterdam, Netherlands (2011).
KT Tsoumani, AA Augustinos, EG Kakani, E Drosopoulou, P Mavragani-Tsipidou, KD Mathiopoulos. *Molecular analysis of genome organization and structure of the olive fly, Bactrocera oleae.* P2.102.
ME Gregoriou, EG Kakani, N Lourou, NE Zygouridis, **KT Tsoumani**, FG Zalom and KD Mathiopoulos.
"Olive fly Resistance in Organophosphate and Spinosad Insecticides".
- 8th International Symposium on Fruit Flies of Economic Importance, Valencia, Spain (2010).
Tsoumani K, Augustinos AA, Kakani EG, Drosopoulou E, Mavragani-Tsipidou P and Mathiopoulos KD.
Expressed Sequence Tags from the olive fly Bactrocera oleae. Congress Programme and Abstracts.
- 13th Scientific Conference of Hellenic Entomological Society, Alexandroupolis, Greece (2009).
Kakani EG, Zygouridis NE, **Tsoumani KT**, Seraphides N, Zalom FG, Mathiopoulos KD. *Low levels of spinosad resistance in the olive fruit fly, Bactrocera oleae.* Proceedings of 13th Scientific Conference of Hellenic Entomological Society, p. 349
Tsoumani KT, Augoustinos AA, Kakani EG, Drosopoulou E, Mavragani-Tsipidou P, Mathiopoulos KD.
Applications of EST markers in olive fly's genomics analysis. Proceedings of 13th Scientific Conference of Hellenic Entomological Society, p. 189
- 31st Scientific Conference of Hellenic Society for Biological Sciences, Patras, Greece (2009).
Kakani EG, Zygouridis NE, **Tsoumani K**, Serapehides N, Zalom FG, Mathiopoulos KD. *Spinosad resistance in wild olive fly populations in California.* Proceedings of 31th Scientific Conference HSBS, p. 111.
Tsoumani KT, Augoustinos AA, Kakani EG, Drosopoulou E, Mavragani-Tsipidou P, Mathiopoulos KD. (2009)
Two useful applications of ESTs in the olive fly: Cytogenetic map and epic markers. Proceedings of 31th Scientific Conference HSBS, p. 373.
- 12th Scientific Conference of Hellenic Entomological Society, Larnaca, Cyprus (2007).
Tsoumani K, Kakani E, Drosopoulou E, Mavraganni-Tsipidou P, Mathiopoulos K. *Isolation and characterization of EST markers in the olive fly, Bactrocera oleae (Diptera: Tephritidae) towards the construction of a cytogenetic map.* Proceedings of 12th Scientific Conference of Hellenic Entomological Society, p. 131
Tsoumani K and Mathiopoulos K. *"Achilles, a new retrotransposon of the olive fruit fly with Y-chromosome preference"*.
- 7th European Congress of Entomology, Izmir, Turkey (2006).
Mathiopoulos K, **Tsoumani K**, Kakani E, Gariou – Papalexioiu A, Bourtzis K, Zacharopoulou A. *"Achilles, a new retrotransposon of the olive fruit fly with Y-chromosome preference"*. Acts of the VIII European Congress of Entomology: 85.
- 28th Scientific Conference of Hellenic Society for Biological Sciences, Ioannina, Greece (2006).
Tsoumani K, Kakani E, Gariou – Papalexioiu A, Bourtzis K, Zacharopoulou A, Mathiopoulos K. *"Achilles, a new retrotransposon of the olive fruit fly with Y-chromosome preference"*. Proceedings of 28th Scientific Conference HSBS, p. 422.

MEMBER OF SCIENTIFIC SOCIETIES

- Pan-Hellenic Association of Bioscientists
- Working Group on Tephritidae from Europe, Asia and the Middle East (TEAM)
- Hellenic Association of Biochemistry and Biotechnology