

Personal Data:



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Academic Qualifications:

- Ph.D. in Biology (2002) Dept. of Biochemistry and Molecular Biology, University of Athens
- Degree in Biology (1992) Dept. of Biochemistry and Molecular Biology, University of Athens

Appointments:

- 2005-today: Laboratory technician in the Department of Biochemistry and Molecular Biology, University of Athens. Collaborative researcher in Prof. R.Lecanidou's lab and in Prof. G.Rodakis' lab.
- 2002-2005: Post-doctoral fellowship in the Institute of Molecular Biology and Biotechnology (IMBB, FORTH, Crete).

Working project: "Investigation of the molecular mechanisms of expression of the histocompatibility antigens during the immune system's differentiation".

- 2001-2002: Post-graduate collaborative researcher in Agricultural Biotechnology's grand EPET II with the title: «High-throughput screening for agonists and antagonists of hormones and other natural insect regulators in plant extracts. Synthesis and application in plant protection programs» (Institute of Biology, N.C.S.R. "Demokritos")
- 2000-2001: Post-graduate collaborative researcher in GSRT's grand PENED '99 with the title: «Development of genetic engineering technologies for the biological control of Medfly and other insect pests» (Institute of Biology, N.C.S.R. "Demokritos")
- 1996-1998: Post-graduate collaborative researcher in GSRT's grand PENED '95 with the title: «Study of activators and repressors of the expression of early chorion genes of the silkworm *B. mori*». (Dpt. of Biochemistry and Molecular Biology, University of Athens)
- 1996: Post-graduate research visitor in the Department of Medical Biochemistry, Faculty of Medicine, The University of Calgary (Alberta, Canada). Training in "screening of cDNA expression libraries with synthetic oligonucleotides".
- 1993, 1994: Post-graduate research visitor in Institute of Molecular Biology and Biotechnology (IMBB, FORTH, Crete). Training in DNA-protein interaction techniques.

Teaching Activities: (current)

Undergraduate courses

- Teaching and technical assistance in laboratory practice for the undergraduate courses of Molecular Biology and Biochemistry (for faculty of Pharmacy)
- Technical assistance in laboratory practice for the undergraduate courses of Clinical Chemistry

Research Interests/Activities: (last 10 years)

- Transcriptional regulation of genes during development. The system of *Bombyx mori*'s Chorion genes.
- Signaling and transcriptional regulation of eukaryotic genes. The paradigm of Major Histocompatibility class II (MHC II) genes.
- Genetic engineering technologies for the biological pest control.
- Molecular mechanisms of the unorthodox phenomenon of Doubly Uniparental Inheritance of mtDNA in bivalve mollusks

Scientific Publications/Citations:

- 5 publications in refereed journals
- More than 13 citations.

Top five publications

- Kravariti L., R. Lecanidou and G.C. Rodakis (1995) Sequence analysis of a small early chorion gene subfamily interspersed within the late gene locus in *Bombyx mori*. J Mol Evol. Jul;41(1):24-33



- Kravariti L., J. Thomas, S. Sourmeli, G.C. Rodakis, B. Mauchamp, G. Chavancy and R. Lecanidou (2001) The biolistic method as a tool for testing the differential activity of putative silkworm chorion gene promoters. *Insect Biochem. Mol. Biol.* 31:473-479.
- Sourmeli S., L. Kravariti, R. Lecanidou. (2003) In vitro analysis of *Bombyx mori* early chorion gene regulation: stage specific expression involves interactions with C/EBP-like and GATA factors. *Insect Biochem Mol Biol.* 33:525-540
- Swevers L., L. Kravariti, S. Ciolfi, M. Xenou-Kokoletsi, N. Ragoussis, G. Smagghe, Y. Nakagawa, B. Mazomenos and K. Iatrou. (2004) A cell-based high-throughput screening system for detecting ecdysteroid agonists and antagonists in plant extracts and libraries of synthetic compounds. *FASEB J.* 18:134-6.
- Gialitakis M., A. Kretsovali, C. Spilianakis, L. Kravariti, J. Mages, R. Hoffmann, A.K. Hatzopoulos, and J. Papamatheakis. (2006) Coordinated changes of histone modifications and HDAC mobilization regulate the induction of MHC class II genes by Trichostatin A. *Nucleic Acids Res.* 34:765-72.

Distinctions:

- 1993-1996: Bodossaki scholarship for PhD dissertation in Molecular Biology (UoA, Faculty of Biology)

Other Activities:

- Abstracts in 9 national conferences
- 7 International Workshops and conferences