

# *CURRICULUM VITAE*

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**Nationality:** Greek  
**Languages:** Greek (native), English

## Education and Training

- 1986** Graduation from High School, Athens, Greece.
- 1987 - 1991** Undergraduate student, Department of Biology, University of Athens, Athens, Greece.
- 1990 - 1991** Undergraduate training in Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology (IMBB-FoRTH).  
Diploma thesis  
Supervisor: Prof. C. Louis
- 1991** B.Sc. in Biology, Department of Biology, University of Athens, Athens, Greece.
- 1991 - 1992** Graduate student at the Department of Biology, University of Crete and IMBB-FoRTH, Heraklion, Greece.
- 1992 - 1995** Graduate student at the Department of Biology, University of Crete and Institute of Molecular Biology and Biotechnology (IMBB), Heraklion, Greece.
- 1995** Ph.D in Molecular Biology: "Characterisation of midgut-specific promoters of the mosquito *A. gambiae*."

Supervisor: Prof. C. Louis

- 1995 - 2000** Post-doctoral fellow at the laboratory of Prof. D. Kioussis  
Division of Molecular Immunology, National Institute for  
Medical Research, Mill Hill, London, UK.
- 2000 - 2001** Military Service
- 2002 - 2004** Temporary teaching staff (P.D. 407/80)  
Department of Molecular Biology and Genetics, Democritus  
University of Thrace, Alexandroupolis, Greece.
- 2004 - 2009** Lecturer of Molecular Biology.  
Department of Molecular Biology and Genetics, Democritus  
University of Thrace, Alexandroupolis, Greece
- 2009 - present** Assistant Professor of Molecular Biology.  
Department of Molecular Biology and Genetics, Democritus  
University of Thrace, Alexandroupolis, Greece

## Fellowships

<b>1991-1992</b>	Graduate Student (MSc) Fellowship from the Institute of Molecular Biology and Biotechnology, Heraklion, Crete.
<b>1992 - 1995</b>	Graduate Student (PhD) fellowship from the University of Crete Heraklion, Crete.
<b>1996</b>	Post Doctoral Fellowship awarded by the Medical Research Council (MRC), UK.
<b>1996-1997</b>	Post Doctoral Fellowship from EU (Training and Mobility for Researchers- TMR)
<b>1995-1997</b>	Post Doctoral Fellowship from the Medical Research Council, London, UK.
<b>1997 - 2000</b>	Post Doctoral Fellowship awarded by the Leukaemia Research (LRF), UK.

## Grants

Grant	Budget (euro)
<p>1. Study of the resistance in commonly used insecticides, of natural mosquito populations, in the province of Thrace (Greece and Turkey). BILATERAL S.&amp;T. COOPERATION between the HELLENIC REPUBLIC and the REPUBLIC OF TURKEY, GSRT, 3<sup>RD</sup> COMMUNITY SUPPORT FRAMEWORK, OPERATIONAL PROGRAM “COMPETITIVENESS” (EPAN) Measure 4.3, Action 4.3.6.1. Duration: 2006-2007 <i>Project Leader: G. Skavdis</i></p>	11,740
<p>2. Development of infrastructure for the identifications of carriers of inherited diseases. INTERREG IIIA Greece-Bulgaria, 3<sup>RD</sup> COMMUNITY SUPPORT FRAMEWORK, Measure 3.1. Duration: 2006-2008 <i>G. Skavdis: Workpackage leader</i> <i>Project Leader: M. Grigoriou</i></p>	300,000
<p>3. Detection of resistance-associated point mutations of organophosphate-insensitive acetylcholinesterase in natural populations of the olive fruit fly, <i>Bactrocera oleae</i>, in the province of Thrace (Greece) and in the province of Canakkale (Turkey). BILATERAL S.&amp;T. COOPERATION between the HELLENIC REPUBLIC and the REPUBLIC OF TURKEY, GSRT, 3<sup>RD</sup> COMMUNITY SUPPORT FRAMEWORK, OPERATIONAL PROGRAM “COMPETITIVENESS” (EPAN) Measure 4.3, Action 4.3.6.1. Duration 2006- 2008 <i>Project Leader: G. Skavdis</i></p>	11,740
<p>4. <i>kdr</i> mutation in natural populations of mosquitos in Evros providence. «Bioapplications Company» Duration: 2007- present <i>Project Leader: G. Skavdis</i></p>	29,750
<p>5. <b>Strengthening Regional Bioresearch Potential in Greece:</b>Advanced scientific performance at the Department of Molecular Biology and Genetics in Thrace (Biostrength), 7th Framework Programme “Capacities”, Coordination and Support Action REGPOT-2008-1 EUROPEAN UNION <i>G. Skavdis: Workpackage leader</i> <i>Project Leader: M. Agianian</i></p>	1,000,000

6. Cross-Border Collaboration for the Promotion of Technological Applications and Scientific Education on Medicinal Molecular Biology. INTERREG IIIA Greece-Bulgaria, 3 <sup>RD</sup> COMMUNITY SUPPORT FRAMEWORK, Measure 3.1. <i>Duration: 2011-2013</i> <i>Project Leader: G. Skavdis</i>	509,407
7. Development of a novel, environmentally friendly method for the control of <i>Bactrocera oleae</i> . John S. Latsis Public Benefit Foundation <i>Duration: 2012-2013</i> <i>Project Leader: G. Skavdis</i>	12,000
8. Genomic and functional approaches for understanding insecticide resistance mechanisms in major agricultural pest GSRT/Thales Action <i>Duration: 2012-2015</i> <i>Project Leader: J. Vontas</i>	600,000
9. Development of IT and molecular diagnostic tools for improving the sustainability of pesticide based approaches to control agricultural pests of major economic importance in Greece <i>Duration: 2012-2015</i> <i>Project Leader: C. Louis</i>	600,000

## Teaching

<b>2004 – present</b>	MBG 204: Introduction to Molecular Biology Techniques (compulsory module)
<b>2004 – present</b>	MBG303: Advanced Molecular Biology Techniques (compulsory module)
<b>2008 – present</b>	MBG606: Behavioral Biology (optional module)
<b>2005 – present</b>	Supervision of students performing Diploma Theses in the Department of Molecular Biology and Genetics, DUTH.
<b>2007 – present</b>	Supervision of PhD student E. Sadikoglou

## Books

M. Grigoriou – G. Skavdis «Introduction to Biology» Savvalas ed., Athens 2002.

## Publications

1. Madueno E., Papagiannakis G., Rimmington G., Saunders R.D.C., Savakis C., Siden-Kiamos I., Skavdis G., Spanos L., Trenear J., Adam P., Ashburner M., Benos P., Bolshakov V. N., Coulson D., Glover D.M., Goerick S., Kafatos F.C., Louis C., Majerus T. and Modolell J. (1995). A physical map of the X chromosome of *Drosophila melanogaster*: Cosmid contigs and sequence tagged sites. *Genetics*, **139**: 1631-1647.
2. Sidén-Kiamos I., Skavdis G., Rubio J., Papagiannakis G. and Louis C. (1996). Isolation and characterization of three serine protease genes in the mosquito *Anopheles gambiae*. *Insect Molecular Biology*, **5**(1): 61-71.
3. Skavdis G., Sidén-Kiamos I., Müller H.M., Crisanti A. and Louis C. (1996). Conserved function of *Anopheles gambiae* midgut-specific promoters in the fruitfly. *EMBO J.*, **15**(2): 344-350.
4. Zhuma T., Tyrell R., Sekkali B., Skavdis G., Savelliev A., Tolaini M., Roderick K., Norton T., Smerdon S., Sedgwick S., Festenstein R., and Kioussis D. (1999). Human HMG box transcription factor HBP1: a role in hCDC2 LCR function. *EMBO J.*, **18**(22): 6396-6406.
5. Valianatos G., Skavdis G., Sidén-Kiamos I. and Louis C. (2000). The promoter of the *Anopheles gambiae* trypsin 1 gene retains a rudimentary inducibility in transgenic *Drosophila melanogaster*. *Dros. Inf. Serv.* **83**: 128-134.
6. Zagoraiou L., Drabek D., Alexaki S., Guy J.A., Klinakis A.G., Langeveld A., Skavdis G., Mamalaki C., Grosveld F., Savakis C. (2001). In vivo transposition of Minos, a *Drosophila* mobile element, in mammalian tissues. *Proc. Natl. Acad. Sci. U S A.* **98** (20): 11474-11478.
7. de Boer J., Williams A., Skavdis G., Harker N., Coles M., Tolaini M., Norton T., Williams K., Roderick K., Potocnik A. J., and Kioussis D. (2003) Transgenic mice with hematopoietic and lymphoid specific expression of Cre. *Eur. J. Immunol.* **33**(2): 314-325.
8. Margaritopoulos J. T., Skavdis G., Kalogiannis N., Nikou D., Morou E., Skouras P. J., Tsitsipis J. A. and Vontas J. (2008). Efficacy of the pyrethroid alpha cypermethrin against *Bactrocera oleae* populations from Greece and improved diagnostic for an iAChE mutation. *Pest Management Science* **64**(9):900-908.

9. Kazanidou A., Nikou D., Grigoriou M., Vontas J. and Skavdis G. (2009). A multiplex PCR assay for simultaneous genotyping of kdr and ace-1 loci in *Anopheles gambiae*. *Am. J. Trop. Med. Hyg.* **80**(2): 236-238.
10. Stylianopoulou E, Lykidis D, Ypsilantis P, Simopoulos C, Skavdis G, Grigoriou M. A rapid and highly sensitive method of non radioactive colorimetric *in situ* hybridization for the detection of mRNA on tissue sections. *PLoS One* 2012;7(3):e33898. doi: 10.1371/journal.pone.0033898. Epub 2012 Mar 30.
11. Paschou, P., Stylianopoulou, E. Karagiannidis, I., Rizzo, R. Tarnok, Z. Wolanczyk, T., Hebebrand, J., N"other, M. Lehmkuhl, G. Farkas, L. Nagy, P., Szymanska, U., Lykidis, D. Androutsos, C. Koumoula, A., Tsironi, V. , Barta, C. Klidonas, S., Ypsilantis, P., Simopoulos, C., Skavdis, G. and Grigoriou, M. (2012) Evaluation of the LIM homeobox genes LHX6 and LHX8 as candidates for Tourette Syndrome. *Genes Brain Behav.* 2012 Jun;**11**(4):444-51.
12. Kioulos I, Kampouraki A, Morou E, Skavdis G, Vontas J. Insecticide resistance status in the major WNV vector *Culex pipiens* from Greece. *Pest Manag Sci.* 2013 Jun 20. doi: 10.1002/ps.3595.