

CURRICULUM VITAE

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Nationality: Greek
Languages: Greek (native), English, French, Spanish

Education and Training

- 1981** Graduation from Arsakeion High School, Psychikon, Athens, Greece.
- 1981-1986** Undergraduate student, Department of Biology, University of Athens, Athens, Greece.
- 1985-1986** Undergraduate training in the laboratory of Biochemistry of Glucocorticoid Receptors.
Diploma thesis: "Biochemical analysis of glucocorticoid receptors in cancer cell lines"
Supervisors: Prof. K. Sekeris and Dr M. N. Alexis
- 1986** B.Sc. in Biology, Department of Biology, University of Athens, Athens, Greece.
- 1986-1988** Graduate student at the Department of Biology, University of Crete and Institute of Molecular Biology and Biotechnology (IMBB), Heraklion, Greece.
- 1988** *M.Sc.* in Molecular Biology, University of Crete and Institute of Molecular Biology and Biotechnology (IMBB) Heraklion, Greece.

Thesis Advisor: Prof. S. Papamatheakis

1988 - 1993

Graduate student at the Department of Biology, University of Crete and Institute of Molecular Biology and Biotechnology (IMBB), Heraklion, Greece.

1993

PhD in Molecular Biology

Thesis Title: «The functional organisation of the MHC class II proximal 5' regions: elements and factors that determine tissue specific and interferon gamma activity of E α and E β promoters».

Thesis Advisor: Prof. S. Papamatheakis

University of Crete and Institute of Molecular Biology and Institute of Molecular Biology and Biotechnology (IMBB), Heraklion, Greece.

1993 - 1995

Post-doctoral fellow at the laboratory of Prof. D. Karagogeos.

University of Crete, Medical School and Institute of Molecular Biology and Institute of Molecular Biology and Biotechnology (IMBB), Heraklion, Greece.

1995 - 2000

Post-doctoral fellow at the laboratory of Prof. V. Pachnis.

Division of Developmental Neurobiology, National Institute for Medical Research, Mill Hill, London, UK.

2002-2005

Temporary teaching staff (P.D. 407/80)

Department of Molecular Biology and Genetics, Democritus University of Thrace, Alexandroupolis, Greece.

2005- 2012

Assistant Professor of Molecular Biology.

Department of Molecular Biology and Genetics, Democritus University of Thrace, Alexandroupolis, Greece

2012- present

Associate Professor of Molecular & Developmental Biology.

Department of Molecular Biology and Genetics,
Democritus University of Thrace, Alexandroupolis,
Greece

Fellowships-Awards

1986 – 1988	Graduate Student (MSc) Fellowship from the Institute of Molecular Biology and Biotechnology, Heraklion, Crete.
1988 – 1993	Graduate Student (PhD) fellowship from the University of Crete Heraklion, Crete.
1988 – 1993	Graduate (PhD) Student Fellowship from the Institute of Molecular Biology and Biotechnology, Heraklion, Crete.
1994	Xanthopoulos-Pneumatikos annual award for the best PhD thesis discussed in 1993 in Biosciences.
1993 – 1995	Post Doctoral Fellowship from the Institute of Molecular Biology and Biotechnology, Heraklion, Crete.
1995-1997	Post Doctoral Fellowship from the Medical Research Council, London, UK.
1997 – 1999	TMR (Training and Mobility for Researchers) Marie Curie Fellowship from the European Union.
2000	Marie Curie Return grant from the European Union

Grants

Grant	Budget (euro)
<p>1. Differentiation of human neural stem cells to cholinergic neurons: the role of the transcription factor LHX7. BILATERAL S.&T. COOPERATION between the HELLENIC RE-PUBLIC and the REPUBLIC OF POLAND, GSRT, 3RD COMMUNITY SUPPORT FRAMEWORK, OPERATIONAL PROGRAM "COMPETITIVENESS" (EPAN) Measure 4.3, Action 4.3.6.1. Duration: 2006-2007 Project Leader: M. Grigoriou</p>	11,740
<p>2. Development of infrastructure for the identifications of carriers of inherited diseases. INTERREG IIIA Greece-Bulgaria, 3RD COMMUNITY SUPPORT FRAMEWORK, Measure 3.1. Duration: 2006-2008 Project Leader: M. Grigoriou</p>	300,000
<p>3. Detection and functional characterization of insecticide resistance mutations in <i>Bactrocera oleae</i> and <i>Bactrocera dorsalis</i>, for environmentally compatible control applications. SCIENTIFIC and TECHNOLOGICAL COOPERATION Between RTD ORGANISATIONS in GREECE and RTD ORGANISATIONS in TAIWAN Measure 4.3, Action 4.3.6.1. Duration 2006- 2008 Project Leader: John Vontas</p>	60,000
<p>4. ace-1 mutation in natural populations of mosquitos in Evros providence «Bioapplications Company» Duration: 2008-present Project Leader: M. Grigoriou</p>	15,000
<p>5. Strengthening Regional Bioresearch Potential in Greece: Advanced scientific performance at the Department of Molecular Biology and Genetics in Thrace, 7th Framework REGPOT-2008-1 EUROPEAN UNION Project Leader: M. Agianian</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, 3RD COMMUNITY SUPPORT FRAMEWORK, Measure 3.1. 509,407
 Duration: 2011-2013
 Project Leader: G. Skavdis
7. “miREG: MicroRNAs and Transcription Factor Networks in the regulation of cell differentiation, aging and tumorigenesis” GSRT/Thalis Action. 600,000
 Duration: 2012-2015
 Project Leader: J. Papamatheakis

Teaching

- 2003 – present** MBG 305: Developmental Biology (compulsory module)
- 2004 – present** MBG 403: Molecular Neurobiology (compulsory module)
- 2008 – present** MBG 605: Stem Cell and Regenerative Biology (optional module)
- 2005 – present** Supervision of 12 students performing Diploma Theses in the Department of Molecular Biology and Genetics, DUTH.
- 2007 – present** Supervision of 4 PhD students.
- 2005 – present** ERASMUS program co-ordinator for the Department of Molecular Biology and Genetics, Democritus University of Thrace

Publications

Publications	22
Total impact factor:	142,61
Average impact factor:	7,60
Total citations:	1912

1. 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.
2. Paschou, P., Stylianopoulou, E. Karagiannidis, I., Rizzo, R. Tarnok, Z. Wolanczyk, T., Hebebrand, J., N"othen, M. Lehmkuhl, G. Farkas, L. Nagy, P., Szymanska, U., Lykidis, D. Androustos, 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.
3. Kazanidou A., Nikou D., **Grigoriou M.**, Vontas J., Skavdis G. (2009) Short report: a multiplex PCR assay for simultaneous genotyping of kdr and ace-1 loci in *Anopheles gambiae*. *Am J Trop Med Hyg.* 80:236-8.
4. Liodis P., Denaxa M., **Grigoriou M.**, Akufo-Addo C., Yanagawa Y. and Pachnis V. (2007) Lhx6 activity is required for the normal migration and specification of cortical interneuron subtypes. *J. Neurosci.* 27: 3078 –3089.
5. Fragkouli A., Hearn C., Errington M., Cooke S., **Grigoriou M.**, Bliss T., Stylianopoulou F. and Pachnis V. (2005) Loss of forebrain cholinergic neurons and impairment in spatial learning and memory in LHX7-deficient mice. *Eur. J. Neurosci.* 21: 2923-2938.
6. Parnavelas J.G., Anderson S.A., Lavdas A., **Grigoriou M.**, Pachnis V. and Rubenstein J.L. (2000). The contribution of the ganglionic eminence to the neuronal cell types of the cerebral cortex. *Novartis Found. Symp.* 228: 129-139; discussion 139-147.
7. Lavdas* A., **Grigoriou M.***, Pachnis V. and Parnavelas J. (1999). The medial ganglionic eminence gives rise to a population of early neurons in the developing cerebral cortex. *J. Neurosci.* 19: 7881-7888. *equal contribution.

8. Taraviras S., Marcos-Gutierrez C.V., Durbec P., Jani H., **Grigoriou M.**, Sukumaran M., Wang L.C., Reisman G. and Pachnis V. (1999) Signalling by the RET tyrosine kinase receptor and its role in the development of the mammalian enteric nervous system. *Development* 126: 2785-2797.
9. Tucker A., Yamada G., **Grigoriou M.**, Pachnis V. and Sharpe T. (1999). Fgf8 determines rostral-caudal polarity in the first branchial arch. *Development* 126: 51-61.
10. **Grigoriou M.**, Tucker A., Sharpe P. and Pachnis V. Expression and regulation of Lhx6 and Lhx7, a novel subfamily of LIM homeodomain encoding genes, suggests a role in mammalian head development. (1998) *Development* 125: 2063-2074.
11. Pachnis V., Durbec P., Taraviras S., **Grigoriou M.** and Natarajan D. (1998) III. Role Of the RET signal transduction pathway in development of the mammalian enteric nervous system. *Am. J. Physiol.* 275: G183-G186.
12. Natarajan D., **Grigoriou M.**, Marcos-Gutierrez C.V., Atkins C. and Pachnis V. (1999). Multipotential progenitors of the mammalian enteric nervous system capable of colonizing aganglionic bowel in organ culture *Development* 126: 157-168.
13. Durbec P., Marcos-Gutierrez C.V., Kilkenny C., **Grigoriou M.**, Wartiovaara K., Suvanto P., Smith D., Ponder B., Costantini F., Saarma M., Sariola H. and Pachnis V. (1996). GDNF signalling through the Ret receptor tyrosine kinase. *Nature* 381: 789-793.
14. Trupp M., Arenas E., Fainzilber M., Nilsson A.S., Sieber B.A., **Grigoriou M.**, Kilkenny C., Salazar-Gruesso E., Pachnis V., Arumae U., Saarma M., Sariola H. and Ibanez C. (1996). Functional receptor for GDNF encoded by the c-ret proto-oncogene. *Nature* 381: 785-788.
15. **Grigoriou M.** (1993). The functional organisation of the MHC class II proximal 5' regulatory regions: Elements and factors that determine tissue specific and interferon- γ activity of E β promoter. Ph.D thesis, University of Crete.
16. **Grigoriou M.**, Kastriaki M.C., Modi W., Theodorakis K., Mankoo B., Pachnis V., and Karagogeos D. (1995). Isolation of the human MOX2 homeobox gene and localisation to chromosome 7p22.1 - p21.3. *Genomics* 26: 550-555.
17. Thanos D., **Grigoriou M.**, Stravopodis D., Liapaki K., and Papamatheakis J. (1993). The MHC class II E β promoter: A complex arrangement of positive and negative elements determines B cell and interferon gamma regulated expression. *Nucleic Acids Res.* 21: 6010-6019.

18. Vassiliadis S., Kyrpides N., Stravopodis D., **Grigoriou M.**, Athanassakis I. and Papamatheakis J. (1993) Investigation of intracellular signals generated by γ -interferon and IL-4 leading to the induction of class II antigen expression. *Mediators Inflamm.* 2: 343-348.
19. Vassiliadis S., Stravopodis D., **Grigoriou M.**, Kyrpides N. and Papamatheakis J. (1993) One- and two-level regulation patterns affecting NF kappa B mRNA activity after treatment with TNF-alpha, IFN-gamma and IL-4. *Eur.Cytokine Netw.* 4: 25-30.
20. Athanassiadis A., Grigoriou M., Thanos D., Papamatheakis J. and Kokkinidis, D. 1990. Complete sequence of the Pvu II restriction enzyme *Nucleic Acids Res.* 18: 6434.
21. Athanassakis I., Galanopoulos V., **Grigoriou M.**, and Papamatheakis J. (1989) Induction of class II MHC antigen expression on the murine placenta correlates with fetal abortion. *Cell. Immunol.* 128: 438-449.
22. Thanos D., Mavrothallasitis G, **Grigoriou M.**, Bygrave A. and Papamatheakis J. (1990) Multiple control regions regulate the constitutive and inducible expression of E α gene. *Ann. N. Y. Acad. Sci.* 546: 255-257.

Books

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