
BIOGRAPHICAL SKETCH

MARIA E. GRIGORIOU

MARIA E. GRIGORIOU, PhD

Personal Webpage: <https://utopia.duth.gr/mgrigor/>

Associate Professor of Molecular & Developmental Biology, Department of Molecular Biology & Genetics, Democritus University of Thrace.

EDUCATION /TRAINING

INSTITUTION & LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Department of Biology, National Kapodistrian University of Athens	BSc	1986	Biology
Department of Biology, University of Crete	MSc	1988	Molecular Biology
Department of Biology, University of Crete	PhD	1993	Molecular Biology

A. ACADEMIC AND PROFESSIONAL POSITIONS

POSITIONS HELD

- 2012- present: Associate Professor of Molecular & Developmental Biology, Department of Molecular Biology and Genetics, Democritus University of Thrace.
- 2005-2012: Assistant Professor of Molecular Biology, Department of Molecular Biology and Genetics, Democritus University of Thrace.
- 2003-2005: Temporary teaching staff (P.D. 407/80), Department of Molecular Biology and Genetics, Democritus University of Thrace, Alexandroupolis, Greece.
- 2000: *Marie Curie Return grant from the European Union*
- 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.- TMR (Training and Mobility for Researchers) Marie Curie Fellowship from the European Union.
- 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. - Post Doctoral Fellowship from the Institute of Molecular Biology and Biotechnology, Heraklion, Crete.

ADVISORY-ADMINISTRATIVE DUTIES (*selected*)

- 2014- present: Department Chair, Department of Molecular Biology & Genetics, Democritus University of Thrace.
- 2012-2015 : Member of the Coordination Committee of the Graduate Studies Program “ Translational Research in Molecular Biology & Genetics” , Department of Molecular Biology & Genetics, Democritus University of Thrace
- 2008-2011: Member of the Internal Assessment Committee, Department of Molecular Biology & Genetics, Democritus University of Thrace
- 2007-2012: ERASMUS Departmental Coordinator, Department of Molecular Biology & Genetics, Democritus University of Thrace.
- 2007-2012: Member of the Diploma thesis Committee, Department of Molecular Biology & Genetics, Democritus University of Thrace
- 2008- present : PhD supervisor of 5 graduate students

B. RESEARCH INTERESTS

Cellular & molecular mechanisms underlying mammalian forebrain development.

Our work mainly focuses on: a) the role of the GRG family of co-repressors and their partners in neurogenesis and differentiation of the ventral telencephalon. b) the function of HSPC280 in cell cycle exit and neuronal differentiation. Experimental approaches: Molecular, biochemical and cellular approaches: cultures, protein biochemistry, RNA microarray analysis, real time-PCR, next generation sequencing, histology and imaging.

C. SELECTED PEER-REVIEWED PUBLICATIONS (*max 10, in chronological order*).

- Stylianopoulou E., Kalamakis G., Pitsiani M., Fysekis I., Ypsilantis P., Simopoulos C., Skavdis G. & Grigoriou M. (2016) HSPC280, a winged helix protein expressed in the subventricular zone of the developing ganglionic eminences, inhibits neuronal differentiation. *Histochem Cell Biol.* 145 (2), 175-184.
- Poulatsidou K.N., Lagoudaki R., Touloumi O., Kesidou E., Boziki M., Ravanidis S., Chlichlia K., Grigoriou M. & Grigoriadis N. (2015) Immunophenotype of mouse cerebral hemispheres-derived neural precursor cells. *Neurosci Lett.* 611: 33-39. doi: 10.1016/j.neulet.2015.11.011.
- Sadikoglou E, Daoutsali E, Petridou E, Grigoriou M & Skavdis G. Comparative analysis of internal ribosomal entry sites as molecular tools for bicistronic expression. (2014) *J Biotechnol.* 181: 31-4. doi: 10.1016/j.jbiotec.2014.03.033.
- Stylianopoulou E., Lykidis D., Ypsilantis P., Simopoulos C., Skavdis G. & Grigoriou M. (2012) A rapid and highly sensitive method of non radioactive colorimetric in situ hybridization for the detection of mRNA on tissue sections. *PLoS ONE* 7(3): e33898. doi:10.1371/journal.pone.0033898.
- Paschou P., Stylianopoulou E. Karagiannidis J., Rizzo R., Tarnok Z., Wolanczyk T., Hebebrand J., Nöthen M.J., Lehmkuhl G., Farkas L., Nagy P., Szymanska U., Lykidis D., Androutsos C., Tsironi V., Koumoula A., Barta C., Ypsilantis P., Simopoulos C., TSGeneSEE, Skavdis G. & Grigoriou M. (2012) Evaluation of the LIM homeobox genes LHX6 and LHX8 as candidates for Tourette Syndrome. *Genes, Brain and Behaviour*, Mar 21. doi: 10.1111/j.1601-183X.2012.00778.x
- Liodis P., Denaxa M., Grigoriou M., Akufo-Addo C., Yanagawa Y. & Pachnis V. (2007) Lhx6 activity is required for the normal migration and specification of cortical interneuron subtypes. *J. Neurosci.* 27: 3078-3089.

- Fragkouli A., Hearn C., Errington M., Cooke S., Grigoriou M., Bliss T., Stylianopoulou F. & 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.
- Grigoriou M., Lavdas A., Pachnis V. & 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.
- Grigoriou M., Tucker A., Sharpe P. & 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.
- Durbec P., Marcos-Gutierrez C.V., Kilkenny C., Grigoriou M., Wartiovaara K., Suvanto P., Smith D., Ponder B., Costantini F., Saarma M., Sariola H. & Pachnis V. (1996). GDNF signalling through the Ret receptor tyrosine kinase. *Nature* 381: 789-793.