

Curriculum Vitae

Name:	ZOUZANA KOUNOUPA
Nationality:	Greek
Date/Place of birth:	November 9th, 1985, Trinec, Czech Republic
Address:	Kourmoulidon 38, 71201, Heraklion Greece
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Education

- 1/11/2012- Today** PhD student, Lab. Of Neuroscience, Dept of Basic Science, University of Medical School and Institute of Molecular Biology and Biotechnology (IMBB-FORTH). Supervisor: Prof. Domna Karagogeos Thesis subject: *“Ex vivo analysis of the cortical GABAergic interneuron migration. The role of small Rho-GTPases, Rac1 and Rac3, in the organization of the cytoskeleton.”*
- 2010-2012** Graduate student of the Graduate Program of Neuroscience (GPN) Faculty of Medicine, University of Crete. *Diploma degree 8.57*
- 2003-2009** B.Sc. Degree of Molecular Biology and Genetics MBG, Democritus University of Thrace. *Diploma degree 7.33*

Scholarships

- 2014-2016** Manasaki Scholarship of Excellence, Medical School, University of Crete

Research Training

- 3/3/2012 - 1/10/2012** Master thesis in the laboratory of Basic Neuroscience of Professor Karagogeos, School of Medicine, University of Crete and IMBB, FORTH (Heraklion, Crete, Greece). Thesis subject: *“The role of small Rho-GTPases, Rac1 and Rac3, in cortical GABAergic interneuron development. In vitro and in vivo analysis.”*

Laboratory rotations

- 2/12/2011 - 2/3/2012** Tavernarakis N. Laboratory, IMBB, FORTH (Heraklion, Crete, Greece) Masters’ trainee on *“Necrotic mechanisms in neurons”*.

1/9/2011 - 1/12/2011	Basic Neuroscience Laboratory, School of Medicine, IMBB, FORTH (Heraklion, Crete, Greece), Masters' trainee on "Role of the juxtapanodal cell adhesion molecule, TAG-1 during Demyelination" under the supervision of Professor D. Karagozeos
1/5/2011 - 1/8/2011	Molecular Basis of Neurologic Disorders Laboratory of Medicine, University of Crete, (Heraklion, Crete, Greece), Masters' trainee on "Allosteric regulation of GLUD2 glutamate dehydrogenase" under the supervision of Professor A. Plaitakis.
Senior thesis research (2007-2008)	Gene and Cell Therapy Center, Hematology Department-BMT Unit, George Papanicolaou Hospital, (Thessaloniki, Greece). Thesis Subject: "Study of Toll-like receptors in the acute and chronic Graft versus Host Disease (GVHD)" under the supervision of Assistant Professor K. Chlichlia, A. Xagorari, E. Yannaki
2008-2009	Practical course in Gene and Cell Therapy Center, Hematology Department-BMT Unit, George Papanicolaou Hospital, (Thessaloniki, Greece), under the supervision of Evangelia Yannaki

Research Skills

Experimental Animals:	Transgenic animal handling, Transcardial perfusion, dissection of various CNS areas.
Cell Culture:	<i>In vitro</i> cell culture methods (primary CNS neurons, stem cell cultures). Organotypic slice cultures
Biochemical Analysis:	Western blot, Co-immunoprecipitation, SDS-PAGE.
Tissue preparation-Histological analysis:	Tissue preparation, Cryostat sectioning, morphological stainings (Cresyl violet, Lyxol Fast Blue), Immunohistochemical tissue analysis, immunocytochemistry, in situ hybridization.
Molecular Biology Methods:	DNA and RNA extraction and quantitation, PCR, RT-PCR, real time PCR, <i>In vitro</i> transcription.
Genetic manipulations:	Focal electroporation on organotypic slices
Imaging:	Time lapse imaging, Confocal (sp2, sp8), Inverted, Fluorescent, Optical microscopes.

Language skills

English	Michigan Proficiency
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Publications

- Spanaki C, Zaganas I, **Kounoupa Z**, Plaitakis A. "The complex regulation of human glud1 and glud2 glutamate dehydrogenases and its implications in nerve tissue biology." 2012 Neurochem Int. Sep; 61(4):470-81.

2. Simona Tivodar, Katerina Kalemaki*, **Zouzana Kounoupa***, Marina Vidaki, Kostas Theodorakis, Myrto Denaxa, Nicoletta Kessarlis, Ivan DeCurtis, Vassilis Pachnis, and Domna Karagogeos. (* These authors contributed equally to this work.) "Rac-GTPases Regulate Microtubule Stability and Axon Growth of Cortical GABAergic Interneurons." *Cereb Cortex*. 2015 Sep;25(9):2370-82.