

CURRICULUM VITAE

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Education:

1994-1998 **B.Sc.** University of Crete, Department of Biology, Greece
1998-2000 **M.Sc.** University of Crete, Department of Biology and Institute of Molecular Biology & Biotechnology, Greece: Molecular Biology & Biomedicine
“Investigating the role of the *Drosophila melanogaster* neurogenic gene *neuralized* in Notch signaling”, Advisor: Prof. Christos Delidakis
2000-2005 **Ph.D.** University of Crete, Department of Biology and Institute of Molecular Biology & Biotechnology, Greece: Molecular Biology & Biomedicine
“The role of the ubiquitin ligases Neuralized and Mindbomb1 and endocytosis of the DSL ligands Delta and Serrate in Notch signaling”, Advisor: Prof. Christos Delidakis

Academic Positions:

April 2012- **Assistant Professor**, Department of Biological Sciences, University of Cyprus, Nicosia, Cyprus
2005-2012 **Postdoctoral Research Fellow** in the laboratory of Prof. Norbert Perrimon, Department of Genetics, Harvard Medical School, Boston, Massachusetts, USA

Other Professional Positions:

2013- Reviewer for Developmental Cell, Plos Genetics, Plos One, Frontiers in Cell Infection Microbiology, Science Signaling
2012- Editorial Board, Scientific Editor, Developmental Biology Journal, Hindawi Publishing Corporation, Egypt-USA
2012- Committee Member, Biological Sciences, KYSATS (Cyprus council for the recognition of higher education qualifications)

Funding ID

2013-2014 **Fondation Santé Research Grant**, *Drosophila* tracheal remodeling during inflammation and cancer, €40,000
2012-2016 **Marie Curie Career Integration Grant**, TubeRemodeling PCIG10-GA-2011-303727, €100,000; Tubular organ remodeling during development, homeostasis and disease
2012 **Start-up funding, University of Cyprus**, €85,000

Awards and Honors:

2012-2016 **Marie Curie Career Integration Grant**, PCIG10-GA-2011-303727
2006-2007 **EMBO Long-term Postdoctoral Research Fellowship** (LTF2005-900)
2002-2005 **Herakleitos Fellowship for Ph.D. Studies**, Greek Ministry of Education
1998-2002 **EPEAEK Fellowship for M.Sc. and Ph.D. Studies**, Greek Ministry of Education

1995-1998 **Award for excellence in undergraduate studies**, Federal Funding Foundation (IKY), Greece

Research Supervisor

2012- Research advisor for three Ph.D. students, seven M.Sc. students (6 graduated) and ten diploma students (9 graduated), University of Cyprus.

2005-2012 Responsible for training new users on the two confocal microscopes of the Department of Genetics at Harvard Medical School. Fluorescence, Confocal techniques.

2008-2011 Research advisor for three undergraduate summer interns and two graduate students, Harvard Medical School. Training in molecular genetics, molecular biology, *Drosophila* genetics and development, microscopy.

1998-2005 Research advisor for two undergraduate and three rotation students, University of Crete. Training in molecular genetics, molecular biology, *Drosophila* genetics and development, microscopy.

Teaching

2013- **BIO 202** Molecular Biology (undergraduate course, spring semester)

2013- **BIO 869** Special Topics in *Drosophila* Biology (graduate course, spring semester)

2013- **BIO 350** Development and Genetics of Model Organisms (undergraduate course, fall semester)

2012 **BIO 680** Research Methodology in Biomedical Sciences (graduate course, fall semester)

Meetings & Conferences

Invited Talks

2017 Fondation Santé Fellows Symposium, Athens, Greece

2016 20th EMBO Molecular and Developmental Biology of *Drosophila*, Crete, Greece

2015 *Drosophila* as a model in cancer BioMed Conference, IRB, Barcelona

2014 Career Development; Biology and Biomedical Sciences, Nicosia, Cyprus

2014 Scientific Meeting of High School Teachers of Biology, Nicosia, Cyprus

2012 Postgraduate students' meeting, University of Cyprus, Nicosia, Cyprus

2012 University of Cyprus, Department of Biological Sciences, Nicosia, Cyprus

2011 University of Cyprus, Nicosia, Cyprus

2011 Wayne State University, Detroit, MI

2010 Koc University, Istanbul, Turkey

2008 EMBO fellows meeting, Boston, MA

Poster Presentations & Abstracts

2014 19th EMBO The Molecular and Developmental Biology of *Drosophila*, 2014, Crete, Greece

2013 23rd European *Drosophila* Research Conference, 2013, Barcelona, Spain

2012 52nd Annual *Drosophila* Research Conference, Chicago, IL

2011 Developmental Biology Gordon Research Conference, New Hampshire, MA

2010 51st Annual *Drosophila* Research Conference, Washington, DC

2010 GSA Model Organisms to Human Biology, Boston, MA

2009 50th Annual *Drosophila* Research Conference, Chicago, IL

2008 HHMI Scientific Meeting, Developmental Pathways: from Pluripotency to Tissue and Organ Formation Bethesda, Maryland

2008 49th Annual *Drosophila* Research Conference, San Diego, CA

2007 48th Annual *Drosophila* Research Conference, Philadelphia, PA

2006 EMBO fellows meeting, San Diego, CA

Peer-reviewed Publications, Reviews and Book Chapters

1. Tamamouna, V., Panagi, M., Theophanous, A., Demosthenous, M., Teloni, S., Michail, M., Papadopoulou, M., **Pitsouli, C.*** and Apidianakis, Y.* Tissue-intrinsic Eiger/TNF controls stem cell divisions and propensity for tumorigenesis. (*submitted*) * **corresponding authors**
2. Tamamouna, V. and **Pitsouli, C.** The Hypoxia Inducible Factor-1 α in angiogenesis and cancer: insights from the *Drosophila* model. InTechOpen, Edited by: Fumiaki Uchiumi, Gene Expression and Regulation in Mammalian Cells (*in press*).
3. Apidianakis, Y., Tamamouna, V., Teloni, S. and **Pitsouli, C.** (2017). Intestinal stem cells: a decade of intensive research in *Drosophila* and the road ahead. Elsevier, Edited by: Petros Ligoxygakis, Advances in Insect Physiology Vol 52, Insect Immunity: 139-178.
4. Kux, K. and **Pitsouli, C.** (2014). Tissue communication in regenerative inflammatory signalling; lessons from the fly gut. Front Cell Infect Microbiol. 4:49.
5. **Pitsouli, C.** # and Perrimon, N. (2013). The homeobox transcription factor Cut coordinates patterning and growth during *Drosophila* airway remodeling. Science Signaling 6(263):ra12. # **corresponding author**
6. Perrimon, N., **Pitsouli, C.** and Shilo, B.N. (2012). Signalling mechanisms controlling cell fate and embryonic patterning. CSHL Press, Edited by: Lewis Cantley, Tony Hunter, Richard Sever, and Jeremy Thorner, Cold Spring Harbor, Perspectives in Biology 2012; 1:a005975.
7. Bangi, E., **Pitsouli, C.**, Rahme, L.G., Cagan, R. and Apidianakis, Y. (2012). Immune response to bacteria induces dissemination of Ras-activated *Drosophila* hindgut cells. EMBO Reports 13(6): 569-76.
8. **Pitsouli, C.** # and Perrimon, N. (2010). Embryonic multipotent progenitors remodel the *Drosophila* airways during metamorphosis. Development 137(21): 3615-24. # **corresponding author**
9. **Pitsouli, C.**, Apidianakis, Y. and Perrimon, N. (2009). Homeostasis in infected epithelia: stem cells take the lead. Cell Host Microbe 6(4): 301-7.
10. Apidianakis, Y.*, **Pitsouli, C.***, Perrimon, N. and Rahme, L.G. (2009). Synergy between Bacterial Infection and Genetic Predisposition in Intestinal Dysplasia. Proc Natl Acad Sci USA 106(49): 20883-8. * **equal contribution**
11. Vinegoni, C., Razansky, D., **Pitsouli, C.**, Perrimon, N., Ntziachristos, V. and Weissleder, R. (2009). Mesoscopic fluorescence tomography for in-vivo imaging of developing *Drosophila*. J Vis Exp 30. pii: 1510. doi: 10.3791/1510.
12. **Pitsouli, C.** and Perrimon, N. (2008). Developmental Biology: Our Fly Cousins' gut. Nature 454: 592-3.
13. Markstein, M., **Pitsouli, C.**, Villalta, C., Celniker, S.E. and Perrimon, N. (2008). Exploiting position effects and the gypsy retrovirus insulator to engineer precisely expressed transgenes. Nature Genetics 40(4): 476-83.
14. Vinegoni, C. *, **Pitsouli, C. ***, Razansky, D. *, Perrimon, N. and Ntziachristos, V. (2008). In vivo imaging of *Drosophila melanogaster* pupae with mesoscopic fluorescence tomography. Nature Methods 5(1): 45-7. * **equal contribution**
15. Glittenberg, M., **Pitsouli, C.**, Garvey, C., Delidakis, C. and Bray, S. (2006). Role of conserved intracellular motifs in Serrate signalling, cis-inhibition and endocytosis. EMBO J 25(20): 4697-706.
16. **Pitsouli, C.** and Delidakis, C. (2005). The interplay between DSL proteins and ubiquitin ligases in Notch signaling. Development 132(18): 4041-50
17. Pavlopoulos, E. *, **Pitsouli, C. ***, Klueg, K.M., Muskavitch, M.A., Moschonas, N.K. and Delidakis, C. (2001). *neutralized* encodes a peripheral membrane protein involved in Delta signaling and endocytosis. Developmental Cell 1(6): 807-16. * **equal contribution**