



## CURRICULUM VITAE EMILIA P. SKAFIDA

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### **Education**

**10/2017 -now:** Graduate student in the MSc program "Molecular Biology – Biomedicine" at Biology and Medicine Departments of University of Crete and IMBB-FORTH.

**10/2013- 10/2017:** Undergraduate studies at the Biology Department, University of Crete, with direction to Biomolecular Science and Biotechnology. Graduation grade 8.22 out of 10.

**06/2013:** Graduation from 1<sup>st</sup> General Lyceum of Kalivia, Attiki, Greece, with grade 18.4 out of 20 "excellent".

**06/2010:** Graduation from 1<sup>st</sup> High School of Kalivia, Attiki, Greece, with grade 19 12/13 out of 20 "excellent".

## **Research experience**

**1/10/2018- now:** Master thesis in the laboratory of Developmental Genetics, IMBB-FORTH, Greece. Advisors: Prof. Christos Delidakis and Dr Maria Monastirioti.

*Master thesis:* The role of the transcription factor HEY in the development and function of *Drosophila* midgut.

**16/7/2018- 30/9/2018:** MSc Rotation in the laboratory of Host Defense and Fungal Pathogenesis, School of Medicine, University of Crete, Greece. Advisor: Prof. Georgios Chamilos

*Project title:* The role of serum proteins against *Mucorales* fungi.

**15/5/2018- 13/7/2018:** MSc Rotation in the laboratory of Biosensors Technology (IMBB-FORTH, Greece) in collaboration with the laboratory of Molecular Plant Biology (Department of Biology, University of Crete and IMBB-FORTH, Greece). Advisors: Prof. Electra Gizeli and Prof. Kriton Kalantidis.

*Project title:* "Detection of Potato Spindle Tuber Viroid (PSTVd) via Loop-Mediated Isothermal Amplification (LAMP) and Colorimetric assays".

**12/3/2018-13/5/2018:** MSc Rotation in the laboratory of Developmental Genetics, IMBB-FORTH, Greece. Advisor: Dr Maria Monastirioti.

*Project title:* "Lineage tracing of Hey expression in *Drosophila* Gut".

**23/6/2017-18/9/2017:** Erasmus placement training in the laboratory of Genetics, Department of Biomolecular Science and Biotechnology, University of Milan, Italy. Advisor: Prof. Roberto Mantovani.

*Project title:* Characterization of NF-Y in mouse ES cells.

**27/9/2016- 10/6/2017:** Diploma thesis in the laboratory of Medical Chemistry, Faculty of Medicine, University of Crete, IMBB-FORTH, Greece. Advisor: Prof. Georgios Mavrothalassitis.

*Diploma thesis:* The role of Ets2-repressor factor (ERF) in the differentiation of hematopoietic stem cells.

**06/2016-08/2016 :** Undergraduate training in the laboratory of Mammalian Molecular Biology, IMBB-FORTH, Greece. Advisor: Prof. Josef Papamatheakis.

*Project title:* GFP-Foxm1 Cloning into lentiviral vector lenti GFP-Puro.

## **Technical Skills**

### **Biochemistry:**

Western Blot, Affinity Chromatography, Immunostaining

**Cellular Biology:**

*Cell culture: primary murine bone marrow cells, HEK293T and HEK293A cells, embryonic stem cells (ESCs) - hanging drops method and RA treatment*

*Microbiology: liquid and solid culture of bacteria, isolation and transformation of bacteria, amplification and titration of adenoviruses, agroinfiltration, cultures of Aspergillus and Mucorales fungi*

*Microscopy: fluorescence and light microscopy*

*Flow cytometry: surface markers of hematopoietic and endothelial cells*

*Transplantation of hematopoietic stem cells in irradiated mice.*

*Hematopoietic colony forming assay (CFUs)*

**Molecular Biology:**

*Cloning: ligation, transformation, mini- and maxi- preps*

*PCR genotyping, Loop-mediated Isothermal Amplification (LAMP)*

*mRNA extraction and qRT-PCR analysis*

**Fellowship/Awards**

*2016: Erasmus Scholarship for Erasmus+ Program*

**Conferences**

*11/12/2015-13/12/2015: 66<sup>th</sup> Panhellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology*

*6/6/2018- 7/6/2018: Bioinformatic analysis of NGS data for plant virus detection and Hands-on Training School, IMMB-FORTH, Herakleion, Greece*

**Languages**

*English: Certificate of Proficiency in English Level C2 University of Michigan (2012)*

*Italian: Advanced Level C1 of Italian Language, State Language Certificate (2015)*

*French: Diploma in French Language Studies (DELF) B2, France Institute of Greece (2017)*

**Computer Skills**

*Image Lab of BioRad, Flowing Software, Office (Word, Excel, PowerPoint)*

*References available upon request.*