

# Curriculum vitae

## Personal Information

<b>FIRST NAME / SURNAME</b>	Nick - Batsiotos
<b>ADDRESS</b>	Foutri 40, 19200, Elefsina, Attica
<b>TEL</b>	+30 6982427408
<b>EMAIL</b>	nickbatsi99@gmail.com
<b>NATIONALITY</b>	Greek
<b>DATE OF BIRTH</b>	19.09.1992
<b>GENDER</b>	Male

## Education

<b>2016-today</b>	M. Sc. in Molecular Biology and Biomedicine University of Crete and Institute of Molecular Biology and Biotechnology, FORTH
<b>2011-2016</b>	Bachelor of Science (BSc) in Biology (main field of study: “Biomolecular Science and Biotechnology”) University of Crete (UOC), Heraklion Crete
<b>2010</b>	Graduation from 2 <sup>nd</sup> High School of Elefsina

## Research Experience

<b>October 2017-today</b>	<u>M.Sc. Thesis</u> Institute of Molecular Biology & Biotechnology, Neurogenetics and Aging Laboratory “Delineating the role of histone variants in murine development and disease”
<b>Supervisor</b>	IMBB Group Leader (Full Professor, Univ. of Crete) George Garinis
<b>July 2017-September 2017</b>	<u>Internship</u> Institute of Molecular Biology & Biotechnology, Development and Gene Expression Laboratory “Cell polarity proteins and fate determinants in multi-step tumorigenesis”
<b>Supervisor</b>	IMBB Group Leader (Full Professor, Univ. of Crete) Joseph Papamatheakis

<b>May 2017-July 2017</b>	<u>Internship</u> Institute of Molecular Biology & Biotechnology, Molecular Hematopoiesis Laboratory “Abolishing GATA1’s binding on RP genes as a means of understanding the way it regulates them during the erythroid stage”
<b>Supervisor</b>	IMBB Group Leader John Strouboulis
<b>March 2017-May 2017</b>	<u>Internship</u> Institute of Molecular Biology & Biotechnology, Neurogenetics and Aging Laboratory “Connecting DNA lesions and disruption of cell differentiation to developmental defects”
<b>Supervisor</b>	IMBB Group Leader (Full Professor, Univ. of Crete) George Garinis
<b>February 2015- January 2016, July 2016-August 2016</b>	<u>Diploma Thesis</u> Institute of Molecular Biology & Biotechnology, Laboratory of Developmental Genetics “Analysis of the regulatory regions of the <i>Drosophila</i> Hey, a bHLH-O gene that is activated by Notch signaling”
<b>Supervisor</b>	Senior Staff Scientist Maria Monastirioti, IMBB Group Leader (Full Professor, Univ. of Crete) Christos Delidakis
<b>November 2014-January 2015</b>	<u>Practice</u> Creta Interclinic, Department of Microbiology
<b>Supervisor</b>	Microbiologist Androniki Panaousi

### Seminars and Conferences

<b>5-7 June</b>	Functional Genomics in Genome Instability and Ageing EMBO Young Investigators Programme
<b>2-6 September 2016</b>	Neurofly 2016, 16 <sup>th</sup> European Neurobiology of <i>Drosophila</i> Conference, Chania, Crete, Greece.
<b>4-8 October 2015</b>	The Notch meeting IX.
<b>06-10 July 2015</b>	The Onassis Foundation Science Lecture Series 2015 in Biology. “Stem cells: From basic biology to translational research”, Heraklion, Crete, Greece.

- 25-28 May 2015** EMBO Workshop on Developmental Circuits in Aging, Hersonissos, Crete, Greece.
- 9-11 November 2012** 63<sup>rd</sup> Hellenic Society for Biochemistry and Molecular Biology, Heraklion Crete, Greece
- FORTH SEMINARS  
(INSTITUTE OF  
MOLECULAR BIOLOGY  
AND BIOTECHNOLOGY)**
- 5 October 2017** "Epigenetic regulation of cell fate decisions in satellite cells-mediated muscle regeneration"  
By Jeff Dilworth. Sprott Center for Stem Cell Research  
Ottawa Hospital Research Institute University of Ottawa  
Canada
- 23 June 2017** "Nucleotide Excision Repair and innate immune responses in macrophages"  
By Evi Goulielmaki. Garinis' Lab IMBB
- 15 June 2017** "Bloodpharming: In vitro generation of red blood cells from stem cell sources for therapeutic applications"  
By Jan Frayne. School of Biochemistry  
Biomedical Sciences Building,  
University of Bristol, UK
- 7 June 2017** "Immunotherapy of cancer"  
By Dimitris Tzeranis. Gravanis' lab IMBB
- 1 June 2017** "Mesenchymal causalities in inflammation and cancer"  
George Kollias  
Professor of Physiology, Medical School, University of Athens  
President and Director, Biomedical Sciences Research Center  
"Alexander Fleming"
- 19 May 2017** "Characterization of Friend of GATA-1 (FOG-1) Interactions: With CTCF And Cohesins In Erythroid Cells"  
By Grigoris Tsaknakis. Strouboulis' Lab IMBB
- 5 May 2017** "Regulation of Neuronal Autophagy by Neurotrophin Signaling"  
By Emmanouela Kallergi. Nikolettou's Lab IMBB
- 19 May 2017** "Nesprins and Autophagy"  
Margarita-Elena Papandreou  
Tavernarakis' Lab

- 7 April 2017**  
 "From proteins to functional proteomics and protein interaction networks and vice versa"  
 Michalis Aivaliotis  
 Proteomics Facility
- 24 March 2017**  
 "Workflows for advanced RNA-Seq and ChIP-Seq data analysis"  
 Pantelis Topalis  
 Bioinformatics Facility
- 30 September 2016**  
 "Organization of learned behaviour in a mini-brain"  
 By Ayse Yarali.  
 Research Group Molecular Systems Biology of Learning  
 Leibniz Institute for Neurobiology  
 Magdeburg, Germany
- 16 September 2016**  
 "The Third and Fourth Dimensions in Biology and Medicine; Micro-CT and the Virtual Museum of Natural History"  
 By James S. Michaelson. Dept. Pathology, Harvard Medical School  
 Director, Laboratory of Quantitative Medicine, Massachusetts General Hospital
- 22 July 2016**  
 "Reduced insulin signaling can inhibit age related sleep syndromes in flies"  
 By Thanos Metaxakis. Tavernarakis lab IMBB
- 8 July 2016**  
 "Chromatin organization in CD4 T cells"  
 By Babis Spilianakis. IMBB
- 4 December 2015**  
 "Introduction to NGS analysis"  
 By Giorgio Papadopoulos. IMBB-Bioinformatics Support Group
- 13 November 2015**  
 "Epigenetic mechanisms in gene regulation"  
 By Iannis Talianidis. BSRC "Alexander Fleming"
- 30 October 2015** "  
 Proteome meets genome:dysregulation of chromatin composition in embryonic stem cells"  
 By Jeroen Krijgsveld. EMBL, Heidelberg
- 6 July 2015**  
 "Making and shaping epithelial tubes"  
 By Amin S. Ghabrial. Dept. of Cell and Developmental Biology  
 University of Pennsylvania School of Medicine
- 19 June 2015**  
 "Novel microRNAs for fine-tuning of mouse Embryonic Stem Cell fate decision through regulation of TGF- signaling"  
 By Christiana Hadjimichael. Papamatheakis lab IMBB
- 15 May 2015**  
 "The crossroads of transcription & replication: multifunctional factors at work"

13 March 2015

By Herome Poli. Friedrich Miescher Institute, Basel, CH

“Tagging NER in development and disease”

By Georgia Chatzinikolaou. Garinis lab IMBB

### Languages

Greek (native)

English (excellent)

### Laboratory skills

#### **Molecular techniques**

General experience in cloning, cells transfection, PCR, quantitative real-time PCR, reverse transcription PCR, DNA extraction, RNA extraction, Western blot analysis, RNA Immunoprecipitation, Chromatin Immunoprecipitation, GRO, Cell culture (standard procedures, transfection and freezing), Nuclear Extract Preparation from adherent cells and murine tissues, Pull down with strep beads

#### **Histological techniques**

Tissue dissection from Drosophila larvae and mice, Mouse Embryonic Fibroblast Isolation, immunohistochemistry,

#### **Genetic methods**

Drosophila *melanogaster* genetics (preservation, setting crosses and screening), experience in cell cultures, *Mus musculus* (C57BL/6) and transgenic mouse models genetics(handling, breeding, markings, tailings, genotyping, tissue dissection)

#### **Technical skills**

Certified user of confocal microscope, experience in electron microscopy

#### **Computer-based skills**

Windows, Microsoft Office, Vector NTI, RSAT, Adobe Photoshop, ImageJ, R Studio, software needed to design primers for PCR and quantitative real-time PCR

#### **-Databases**

Pubmed, Fly Factor Survey, UCSC Genome Bioinformatics, VDRC, Fly Enhancers Stark Lab, RSAT, NEB, GenScript, EvoPrinterHD, Blast, Gene Ontology Consortium

### Work experience

#### **January-March 2012**

Volunteering in laboratory of Natural History Museum of Crete. Classification of vertebrates.

#### **Supervisor**

Lymberakis Petros, Vertebrates Department.

### Publications and Posters

Participating with the poster: Batsiotos N., Koltsaki I., Pitsidianaki I., Delidakis C., Monastiriotti M. “Analysis of the regulatory regions of the Drosophila Hey, a bHLH-O gene that is activated by Notch signaling” in the:

- Neurofly 2016 conference, Chania Greece
- 67th Panhellenic Conference of the HSBMB, Ioannina, Greece.”.

**Other activities and interests**

Reading, cinema, music, swimming and running.

**References**

**Available upon request**

**Professor Christos Delidakis**

IMBB Group Leader (Full Professor, Univ. of Crete)  
Nikolaou Plastira 100, P.O Box 1385 GR 70013, Heraklion, Crete, Greece

[delidaki@imbb.forth.gr](mailto:delidaki@imbb.forth.gr)

Phone :+30 2810 391112

**Professor George Garinis**

IMBB Group Leader  
Nikolaou Plastira 100, GR-70013, Heraklion, Crete, Greece

[garinis@imbb.forth.gr](mailto:garinis@imbb.forth.gr)

Phone : +30 2810 391246 (office)

**Senior Staff Scientist Maria Monastirioti**

IMBB Group Leader  
Nikolaou Plastira 100, GR-70013, Heraklion, Crete, Greece

[monastir@imbb.forth.gr](mailto:monastir@imbb.forth.gr)

Phone: +30 2810 391117