

PERSONAL DETAILS

Surname	Stratigi
Name	Kalliopi
Father's name	Charalampos
Date of Birth	10 / 01 / 1984
Nationality	Greek (Hellenic)
Place of Birth	Heraklion, Crete
Address	E. Kouroupaki 1 - GR71306
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STUDIES

Nov 2009 PhD
Mar 2015 Biology department, University of Crete, Greece

PhD Thesis in Biology,
Lab. of Gene Regulation in the Immune system
Supervising: Ast. Prof. C. G. Spilianakis
Thesis title: Study of the Tnfa allele homologous pairing in murine macrophages

Aug 2008 Master of Science
Oct 2009 Medical School, University of Crete

Lab. of Gene Regulation in the Immune system
Supervising: Ast. Prof. C. G. Spilianakis
Thesis title: Nuclear co-localization of homologous alleles and study of the protein complexes that mediate these interactions in mice

Sep 2007 Medical School, University of Crete, Greece
Oct 2009 Graduate program in **Cellular and Genetic Etiology, Diagnosis and Treatment of Human Disease.**

Successfully attended the following program courses:

- *Interdisciplinary approach to Molecular, Cellular and Genetic Basis of Human disease*
- *Introduction in Basic Laboratory Methodology*
- *Introduction in Clinical Research Methodology*
- *Biostatistics*
- *Pathogenetic basis of Human disease*
- *Immunity and Infection*
- *Biology and treatment of Cancer*
- *Clinical Genetics and Genetic Epidemiology*

• **Three-month laboratory experience:**

Lab. of Biochemistry, Medical School, University of Crete.
Supervising: Ast. Prof. E. A. Papakonstanti

RESEARCH WORK : “The p110 δ isoform of PI3 kinase and the regulation of the tumor-suppressor protein PTEN through the Akt/PKB signalling pathway”.

Sep 2005 King’s College, London

Sep 2006

Graduate program
MSc in Forensic Science

Attended the following program courses:

- Principles of Forensic Science
 - Biology
 - Chemistry
 - Communicating science
- The Forensic Process
 - Fibres, traces, firearms, fingerprints, fire investigation, computers, blood pattern analysis, marks
 - Statistics
 - Quality assurance
 - Law
- Forensic Toxicology and Drugs of Abuse
 - Pharmacokinetics, drug metabolism, Raman spectroscopy, MS, MALDI-TOF
- Forensic Biology
 - Forensic pathology, odontology, facial identification
 - Single-cell PCR and sequencing techniques, mtDNA, mini-STRs, SNPs, haplotypes

Sep 2001 Biology department, University of Crete, Greece

June 2005

Degree in Biology (grade 7.38/10)

Sep 1998 1st High School Heraklion, Crete, Greece

June 2001

Grade 18.1 / 20

LABORATORY EXPERIENCE AND PUBLICATIONS

Jan 2016 Post-doctoral researcher

Today

Lab. of DNA damage in mammalian physiology and aging
Supervising: Prof. G. A. Garinis
The functional link between DNA damage signaling and innate immune responses in mammals

Funded by: Horizon 2020 ERC Consolidator grant “DeFiNER”

Sep 2013 Post-doctoral researcher

Aug 2015

Lab. of Gene Regulation in the Immune system, Molecular Immunology
Supervising: Ast. Prof. C. G. Spilianakis
The regulatory networks of lncRNAs SeT and ASeT in the macrophage immune responses

Funded by: Fondation Santé

Nov 2009 Lab. of Gene Regulation in the Immune system, Molecular Immunology

Aug 2013

Supervising: Ast. Prof. C. G. Spilianakis

- PhD thesis**
- Cell cultures, isolation and activation of cells from mice, DNA, RNA-DNA, Immuno FISH, Immunofluorescence and Western Blotting, Confocal microscopy, Mass spectrometry, Chromatin Immunoprecipitation (ChIP), Chromatin isolation by RNA Purification (ChIRP)
- Aug 2008**
Oct 2009
Lab. of Gene Regulation in the Immune system, Molecular Immunology
Supervising: Ast. Prof. C. G. Spilianakis
- Master's thesis**
- *in situ* fluorescence hybridization (DNA FISH, RNA:DNA FISH, Immuno:RNA:DNA FISH), imaging techniques (Confocal microscopy), chromatin, DNA and RNA isolation and quantification, RT-PCR, EMSA, SouthWestern blotting, DNA affinity chromatography
- June 2008**
July 2008
Lab. Of Biochemistry, Medical School, University of Crete
Supervising: Ast. Prof. E. Papakonstanti
- The p110d isoform of PI3 kinase and the regulation of the tumor-suppressor protein PTEN through the Akt/PKB signalling pathway*
- Nov 2006**
Sep 2007
Lab. of Internal Medicine, Medical School, University of Crete
Supervising: Prof. D. Kofteridis, Prof. D. Boumpas
- Work experience**
- Among other projects focused on "the effect of TLR2 and TLR4 in the increased prevalence of infection in patients with Type 2 Diabetes Mellitus"*
- Cell culture, isolation and activation of PBMCs, FACS, Western Blotting, ELISA, RFLPs
- June 2004**
Sep 2005
Lab. of Toxicology and Criminal Chemistry, Molecular Toxicology, Medical School, University of Crete
Supervising: Prof. A. Tsatsakis
Co-supervising: Ass. Prof. Alexandraki
- Diploma Thesis**
- TITLE:** " Frequency analysis of genetic polymorphisms of the gene PON1 in lung cancer and Parkinson's disease in populations exposed to herbicides"
- A poster with this work was accepted by the 42nd European Congress in Toxicology in Krakow, Poland (Eurotox, 2005)
 - Work experience in paternity testing using STRs, DNA profiling with the ABI Prism 310, hospital routine work of analyses of samples with GC-MS/-FID/-NPD, HPLC-UV.
- July 2003**
Lab. of Gene Expression in Mammalian systems, IMBB, FoRTH
Supervising: Prof. J. Papamatheakis
- Work experience**
- Cell culture, Southern and Western blotting.*
- July 2002**
Aug 2002
Lab. of Developmental and Functional Biology in Mammalian systems, IMBB, FoRTH
Supervising: Dr. C. Mamalaki
- Work experience**
- Work included generation of transgenic mice, DNA και RNA extraction, RFLPs, Southern and Northern blotting.*

PUBLICATIONS

1. **Stratigi K**, Chatzidoukaki O, Garinis GA. (2016) DNA damage-induced inflammation and nuclear architecture. *Mech Ageing Dev*, ISSN 0047-6374, <http://dx.doi.org/10.1016/j.mad.2016.09.008>.

2. **Stratigi K**, Kapsetaki M, Aivaliotis M, Town T, Flavell RA, Spilianakis CG. (2015) Spatial proximity of homologous alleles and long noncoding RNAs regulate a switch in allelic gene expression. *Proc Natl Acad Sci U S A* doi:10.1073/pnas.1502182112.
3. Tzenaki N, Andreou M, **Stratigi K**, Vergetaki A, Makrigiannakis A, Vanhaesebroeck B, Papakonstanti EA. (2012) High levels of p110 δ PI3K expression in solid tumor cells suppress PTEN activity, generating cellular sensitivity to p110 δ inhibitors through PTEN activation. *FASEB J.* 26(6):2498-508.
4. Galanakis E, Kofteridis D, **Stratigi K**, Petraki E, Vazgiourakis V, Fragouli E, Mamoulakis D, Boumpas DT, Goulielmos GN. (2008) Intron 4 a/b polymorphism of the endothelial nitric oxide synthase gene is associated with both type 1 and type 2 diabetes in a genetically homogeneous population. *Hum Immunol.* 69(4-5):279-83.

CONFERENCES

- *Poster presentation* "Persistent DNA damage signaling triggers aberrant chromatin organization changes during mammalian development" at FEBS Workshop on Chromatin Proteomics, Heraklion, Crete (October 2016).
- *Poster presentation* "The functional link between DNA damage signaling and innate immune responses in macrophages" at FEBS Workshop on Chromatin Proteomics, Heraklion, Crete (October 2016).
- *Poster presentation* "Spatial proximity of homologous alleles and long noncoding RNAs regulate a switch in allelic gene expression" at EMBO Conference: Chromatin and Epigenetics, Heidelberg (May 2015).
- *Speech entitled* "Homologous pairing and long non-coding RNAs regulate *Tnfa* allelic expression" in the IMBB Colloquia, FORTH (Mar. 2014).
- *Poster presentation and speech* "Homologous pairing and long non-coding RNAs regulate *Tnfa* allelic expression" at InteGeR Conference, Athens (Nov. 2012).
- *Poster presentation entitled* "Homologous association in the *TNF α* locus" in the Workshop on Functional and Structural Proteomics, Pasteur Institute, Athens (Oct. 2011).
- *Poster presentation entitled* "Inter-chromosomal interactions in the *TNF α* locus" in the 1st International Proteomics Conference on Crete IPCC01 (Oct. 2010).
- *1st Workshop in Chromatin Proteomics.* Ludwig Maximilians University of Munich, Munich (Mar. 2010).
- *Proteomics Workshop.* ProFI, IMBB, FoRTH, Heraklion (Feb. 2010).
- *Poster presentation entitled* "Identification of the mammalian GAGA factor" in the ProFI Symposium, IMBB, FoRTH, Heraklion (Oct. 2009).
- *29th Scientific Congress of Hellenic Society of Biological Sciences,* Kavala (May 2007).
- *Human Identification e-Symposium (HumID)* (Feb. 2006).

- *Forensic e-Symposium (April 2005).*
- *9th World Congress of Advances in Oncology and 7th International Symposium on Molecular Medicine (Oct. 2004).*

TEACHING/TRAINING EXPERIENCE

Undergraduate course: Mechanisms of Ageing and Longevity (BIOL-400, 8th semester) in Biology Department, University of Crete, Greece. Funded by the National Strategic Reference Framework (ESF).

Lecture on “**Inter-chromosomal interactions in gene regulation**” in Graduate Course Molecular Basis of Human Disease (MBNA-101), Medical School, University of Crete, Greece

Ourania Chatzidoukaki 1.01.16-today PhD candidate in Biology
Chryssa Stathopoulou 1.02.13-31.08.15 PhD candidate in Biology
Eralda Salataj 1.02.13-31.08.15 PhD candidate in Biology
Georgios Arampatzis 1.02.10-15.06.10 3-month lab. experience «Expression of PKM2 in GFP vector». 1.09.10-today Diploma thesis
Agathoklis Andrianos 1.02.10-15.06.10 3-month lab. experience 1.10.10-1.02.11 Lab. Training 2.02.11-today Diploma thesis «*In vitro* study of the genetic interaction of TNF α with Arrb1, P2RX4 and Adipor1 and their expression, in murine macrophages»
Marcello Kritsiotakis 28.09.09-30.08.10 Diploma thesis «The role of Pur1 in the homologous association of the TNF α alleles in murine macrophages»

LANGUAGES

Mar 1999 University of Michigan
Certificate of Proficiency in English
Dec 1998 University of Cambridge
Certificate of Proficiency in English, Grade B
May 1998 Certificato Medio di conoscenza della lingua italiana

EXTRA STUDIES, SOCIAL ACTIVITIES AND INTERESTS

- *Good knowledge of computers*
- *Diving : Open Water Diver diploma*
- *Dancing : Teaching beginners' classes in Latin-American dances*
- *Target shooting : Member of the Heraklion Shooting Club*
- *Music : Saxophone, Percussion*
- *Painting : Free drawing*