



HELLENIC REPUBLIC
UNIVERSITY OF CRETE

DEPARTMENT OF BIOLOGY

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FOUNDATION FOR RESEARCH &
TECHNOLOGY – HELLAS (FORTH)

**INSTITUTE OF MOLECULAR BIOLOGY
& BIOTECHNOLOGY (IMBB)**

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Curriculum Vitae – Charalampos G. Spilianakis

Personal Information

Place of birth: Athens (Greece)
Marital status: Married with one child
Work Address: Institute of Molecular Biology and Biotechnology (IMBB-FORTH), N.Plastira 100
GR70013 Heraklion, Crete, Greece
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RESEARCHERID: C-9893-2011

Education

1998-2003: **PhD** in Molecular Biology and Biomedicine, Department of Biology - University of Crete, Greece. Laboratory of Prof. Joseph Papamatheakis.
1996-1998: **MSc** in Molecular Biology, Department of Biology - University of Crete, Greece. Laboratory of Prof. Joseph Papamatheakis.
1992-1996: **Bachelor** in Biology, Department of Biology - University of Crete, Greece.

Current Positions

10/2016-present: **Associate Professor** of Molecular Biology & Epigenetics, Department of Biology - University of Crete, Greece
09/2009-present: **Principal Investigator**, Institute of Molecular Biology and Biotechnology (IMBB-FORTH), Greece

Previous Positions

2009-2016: **Assistant Professor** of Biochemistry, Department of Biology - University of Crete, Greece (Tenured 03/2013)
2008-2009: **Research Assistant Professor**, Institute of Molecular Biology and Biotechnology (IMBB-FORTH), Greece
2003-2007: **Postdoctoral Fellow**, Section of Immunobiology, Yale University School of Medicine and Howard Hughes Medical Institute, New Haven, USA. Laboratory of Prof. Richard A. Flavell.

Publications Overview

Source of data:	Thomson Reuters – Web of Science (November 2016)
Total citations:	1727
Total citations (w/o self):	1686
Average citations (w/o self)/publication:	70.25
Total Impact Factor:	285.790
<i>h-index</i> :	16

1. Doxaki C., Kampranis S.C., Eliopoulos A.G., Spilianakis C., Tsatsanis C. (2015) Coordinated Regulation of miR-155 and miR-146a Genes during Induction of Endotoxin Tolerance in Macrophages. **J Immunol.** 195(12):5750-5761. (*citations: 2*)
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 USA**, 112(13):E1577-1586 (*citations: 3*)

3. Zorca CE, Kim LK, Kim YJ, Krause MR, Zenklusen D, Spilianakis CG, Flavell RA. (2015) Myosin VI regulates gene pairing and transcriptional pause release in T cells. **Proc Natl Acad Sci USA**, 112(13):E1587-1593 (*citations: 2*)
4. Williams A., Lee G.R., Spilianakis C.G., Hwang S.S., Eisenbarth S.C., Flavell R.A. (2013) Hypersensitive site 6 of the TH2 locus control region is essential for TH2 cytokine expression. **Proc Natl Acad Sci USA** 110(17): 6955-6960 (*citations: 9*)
5. Deligianni C., Spilianakis C.G. (2012) Long-range genomic interactions epigenetically regulate the expression of a cytokine receptor. **EMBO Rep.** 13: 819-826 (*citations: 3*)
6. Ktistaki E., Garefalaki A., Williams A., Andrews S.R., Bell D.M., Foster K.E., Spilianakis C.G., Flavell R.A., Kosyakova N., Trifonov V., Liehr T., Kioussis D. (2010) CD8 locus nuclear dynamics during thymocyte development. **J Immunol.** 184: 5686-5695 (*citations: 8*)
7. Williams A., Spilianakis C.G., Flavell R.A. (2010) Interchromosomal association and gene regulation in trans. **Trends Genet.** 26: 188-197 (*citations: 48*)
8. Amsen D., Spilianakis C.G., Flavell R.A. (2009) How are T(H)1 and T(H)2 effector cells made? **Curr Opin Immunol.** 21: 153-160 (*citations: 89*)
9. Brown M.R., Kronengold J., Gazula V.R., Spilianakis C.G., Flavell R.A., von Hehn C.A., Bhattacharjee A., Kaczmarek L.K. (2008) Amino-terminal isoforms of the Slack K⁺ channel, regulated by alternative promoters, differentially modulate rhythmic firing and adaptation. **J Physiol.** 586: 5161-5179 (*citations: 32*)
10. Town T., Breunig J.J., Sarkisian M.R., Spilianakis C.G., Ayoub A.E., Liu X., Ferrandino A.F., Gallagher A.R., Li M.O., Rakic P., Flavell RA. (2008) The stumpy gene is required for mammalian ciliogenesis. **Proc Natl Acad Sci USA** 105: 2853-2858 (*citations: 61*)
11. Spilianakis C.G., Flavell R.A. (2007) Epigenetic regulation of Ifny expression. **Nat Immunol.** 8: 681-683 (*citations: 9*)
12. Spilianakis C.G., Flavell R.A. (2006) Managing associations between different chromosomes. **Science** 312: 207-208 (*citations: 13*)
13. Lee G.R., Kim S.T., Spilianakis C.G., Fields P.E., Flavell R.A. (2006) T helper cell differentiation: Regulation by cis-elements and epigenetics. **Immunity** 4: 369-379 (*citations: 189*)
14. Gialitakis M., Kretsovali A., Spilianakis C.G., Kravariti L., Mages J., Hoffmann R., Hatzopoulos A.K., Papamatheakis J. (2006) Coordinated changes of histone modifications and HDAC mobilization regulate the induction of MHC class II genes by Trichostatin A. **Nucleic Acids Res.** 34: 765-772 (*citations: 43*)
15. Spilianakis C.G., Lee G.R., Flavell R.A. (2005) Twisting the Th1/Th2 immune response via the retinoid X receptor: Lessons from a genetic approach. **Eur J Immunol.** 35: 3400-3404 (*citations: 16*)
16. Spilianakis C.G., Lalioti M., Town T., Lee G.R., Flavell R.A. (2005) Interchromosomal associations between alternatively expressed loci. **Nature** (Full Research Article) 435: 637-645 (*citations: 443*)
17. Lee G.R., Spilianakis C.G., Flavell R.A. (2005) Hypersensitive site 7 of the TH2 locus control region is essential for expressing TH2 cytokine genes and for long-range intrachromosomal interactions. **Nat Immunol.** 6: 42-48 (*citations: 97*)
18. Spilianakis C.G., Flavell R.A. (2004) Long-range intrachromosomal interactions in the T helper type-2 cytokine locus. **Nat Immunol.** 5: 1017-1027 (*citations: 273*)
19. Muhlethaler-Mottet A., Krawczyk M., Masternak K., Spilianakis C.G., Kretsovali A., Papamatheakis J., Reith W. (2004) The S box of major histocompatibility complex class II promoters is a key determinant for recruitment of the transcriptional co-activator CIITA. **J Biol Chem.** 279: 40529-40535 (*citations: 17*)
20. Tzortzakaki E., Spilianakis C.G., Zika E., Kretsovali A., Papamatheakis J. (2003) Steroid receptor coactivator 1 links the steroid and interferon gamma response pathways. **Mol Endocrinol.** 12: 2509-2518 (*citations: 16*)
21. Spilianakis C.G.*, Kretsovali A.*, Agalioti T.*, Makatounakis T., Thanos D., Papamatheakis J. (2003) CIITA regulates transcription onset via Ser5-phosphorylation of RNA Pol II. **EMBO J.** 22: 5125-5136 (*equal first authorship) (*citations: 66*)
22. Spilianakis C.G., Kretsovali A., Dimakopoulos A., Makatounakis T., Papamatheakis J. (2001) Self-association of class II transactivator correlates with its intracellular localization and transactivation. **J Biol Chem.** 276: 32191-32197 (*citations: 33*)

23. Spilianakis C.G., Papamatheakis J., Kretsovali A. (2000) Acetylation by PCAF enhances CIITA nuclear accumulation and transactivation of major histocompatibility complex class II genes. **Mol Cell Biol.** 22: 8489-8498 (*citations: 113*)
24. Kretsovali A., Agalioti T., Spilianakis C.G., Tzortzakaki E., Merika M., Papamatheakis J. (1998) Involvement of CREB binding protein in expression of major histocompatibility complex class II genes via interaction with the class II transactivator. **Mol Cell Biol.** 18: 6777-6783 (*citations: 142*)

Conference Proceedings

1. Tzerpos P., Savvidis T., Aivaliotis M., Benos P., Spilianakis C.G. (2013) Bioinformatic and proteomic analysis of transcription factor binding sites in interacting regulatory elements in mouse T cells. *FEBS Journal* 280:20-20
2. Doxaki C., Eliopoulos A., Spilianakis C.G., Tsatsanis C. (2013) Physical interaction between miR-155 and miR-146a gene loci: Co-regulation during macrophage activation and induction of endotoxin tolerance. *International Journal of Molecular Medicine* 32: S65-S65
3. Deligianni C., Spilianakis C.G. (2009) Long-range genomic cytokine-receptor interaction regulates gene expression. *CYTOKINE* 48(1-2): 2
4. Spilianakis CG. Interchromosomal cytokine gene regulation. (2009) *CYTOKINE* 48(1-2): 3
5. Spilianakis CG, Lalioti M, Town T, et al. Epigenetic regulation of cytokine gene expression (2009) *IMMUNOLOGY* 116: 30-30

Funding ID

- 2015-2018 H2020-MSCA-ETN-2014, “Chromatin3D: Chromatin Dynamics in Development and Disease”. (Coordinator) Funding: 3.782.583€. (GA-622934)
- 2015-2017 SIEMENS - Greek Secretariat for Research & Technology, “Applications of key enabling technologies”, Funding 1.580.000€. (Institutional representative & Coordinator) “Modern Technological Approaches and Applications in the fields of Biology, Biophotonics and Health” (IMBB: 440.590€).
- 2014-2015 Research Grant in the Biomedical Sciences, FONDATION SANTE. “MAGNET: The regulatory networks of the lncRNAs *SeT* and *AseT* in macrophage immune responses.” (Principal Investigator) Funding: 40.000€.
- 2012-2015 KRIPIS-BIOSYS, Greek Secretariat for Research & Technology, “Development activities for Systems Biology”, Funding: 2.519.000€. (Work-Package Coordinator) “Gene regulation & Regenerative Biology” (WP4: 229.902€).
- 2012-2015 *Excellence Grant*, General Secretariat for Research and Technology-Greece. “MIRACLE: Subnuclear localization and transcriptional regulation of miRNA gene loci in the immune system.” (Principal Investigator) Funding: 300.000€.
- 2012-2015 Greek Ministry of Education. “miREG: MicroRNAs and Transcription Factor Networks in the regulation of cell differentiation, aging and tumorigenesis.” (Partner) Funding: 600.000€.
- 2012-2014 University of Crete. Nuclear organization and epigenetic regulation of gene loci involved in the differentiation process of CD4⁺ cells.” (Principal Investigator) Funding: 10.000€.
- 2012-2014 University of Crete. Travel Grant. Funding: 2.500€.
- 2009-2012 Capacities-FP7-REGPOT-2008-1. “ProFI: Proteomics Facility at the Institute of Molecular Biology and Biotechnology” (Partner) Funding: 911.392€. (GA-229823)
- 2009-2013 Marie Curie International Re-integration Grant (IRG). “InterPro: Functional protein complexes that regulate T helper cell differentiation”. (Principal Investigator) Funding: 100.000€. (GA-239339)
- 2008-2012 *Investigator Award*, Cancer Research Institute-USA. “Biochemical isolation and characterization of the protein complexes that regulate interchromosomal interactions.” (Principal Investigator) Funding: 200.000\$.
- 2008-2011 IMBB intramural start-up funds. Funding: 200.000€.

Fellowships and Awards

- 2008-2011: Investigator Award, Cancer Research Institute, USA (200.000\$).
- 2007: Howard Hughes Medical Institute Research Associate Fellowship (47.000\$/annum).

- 2006-2007: Postdoctoral Fellowship from Yale University (44.000\$/annum).
 2003-2006: Postdoctoral Fellowship from Cancer Research Institute-USA (130.500\$).
 2001: Award from Greek Secretariat for Research & Technology, for excellent scientific work in postgraduate studies (1500€).
 2000: Fellowship from PENED programme entitled, “Molecular study of osteosarcomas”.
 1999: EPEAEK Fellowship from the postgraduate programme for Molecular Biology and Biomedicine.
 1998: First Award from Greek Fellowship Foundation (IKY) for excellence as a postgraduate student.
 1996-1998: Fellowship from the Foundation of Research and Technology of Greece.

Invited Presentations

International Conferences

- Recent Advances in *Omic*s Research, Jagiellonian University, Krakow, Poland, 23-24 October 2014.
- International conference on “GENE REGULATION: From DNA sequence to nuclear structure”, Eugenides Foundation, Athens, Greece, 14-16 November 2012.
- Tri-Society Annual Conference of the Society for Leukocyte Biology, International Cytokine Society, and the International Society for Interferon and Cytokine Research, Lisbon, Portugal, 18-21 October 2009
- International symposium in “Epigenetics, Epigenomics and Applications”, Centre for Research and Technology Hellas - CE.R.T.H., Thessaloniki, Greece, June 27 2008.
- 4th Annual CMSB Members Symposium, Leiden, Netherlands, September 7th 2007.
- European Conference on Human Genetics, Nice, France, June 16-19 2007.

International centers of Excellence

- University of Debrecen, Medical & Health Science Center, Hungary, May 14th 2015.
- Duke University, Genome Sciences Center, NC, USA, May 5th 2007.
- Hammersmith Hospital, MRC, London, UK, April 2nd 2007.
- Rockefeller University, NY, USA, March 5th 2007.
- Harvard University, Department of Pathology, MA, USA, February 28th 2007.
- Harvard University, Department of Cell Biology, MA, USA, February 22nd 2007.
- Columbia University, Department of Biology, NY, USA, February 14th 2007.
- University of Massachusetts in Worcester, Department of Pathology, MA, USA, February 2nd 2007.
- Washington University in Saint Louis, Depts. of Pathology/Immunology, MO, USA, January 5th 2007.
- Duke University, Department of Immunology, NC, USA, November 28th 2006.
- IMBB-FORTH, Heraklion, Crete, Greece, September 18th 2006.
- National Institute of Allergy and Infectious Diseases (NIAID), Laboratory of Cellular and Molecular Immunology (LCMI), MD, USA, March 28th 2006.
- Moffit Cancer Center, University of South Florida, FL, USA, March 15th 2006.
- Biomedical Sciences Research Center Alexander Fleming, Institute of Immunology, Athens, Greece, March 28th 2005.

Invited Speaker in Workshops and Summer Schools

- 2015 Erasmus Intensive Programme, 2nd International Course, “Care and use of laboratory animals”, 1-12 June 2015, Heraklion, Crete, Greece.
- 2014 European Summer School on Gene Regulation, 9-13 June 2014, Heraklion, Crete, Greece.
- 2014 Erasmus Intensive Programme “Care and use of laboratory animals. Science, philosophy and society”, 5-16 May 2014, Heraklion, Crete, Greece.
- 2014 Third Summer School in Medical and Biosciences Research and Management, Mani, Greece, 17-25 May 2014.
- 2013 Hellenic Conference in Immunology, Athens, Greece 12-14 December 2013.
- 2012 “Protein to Proteomics Workshop”, Heraklion, Crete, Greece, 5-9 March 2012.
- 2011 “Workshop on Functional and Structural Proteomics”, Pasteur Institute, 6-7 October 2011.
- 2009 Summer School of Immunology, Fiscardo, Kefalonia, Greece, 2009.
- 2008 Summer School of Immunology, Kolympari, Crete, July 2008.

Organization of Meetings & Workshops

- 2016 Coorganiser with Bruno Amati of Workshop “Folding chromatin in Three dimensions”, Milan, Italy, 04 February 2016.
- 2014 Member of the Scientific organizing committee for the “3rd Summer School in Medical & Biosciences Research & Management, WHBA, Mani, Greece, 17-25 May 2014.
- 2012 Member of the Scientific organizing committee for the “2nd Greek Orbitrap Users Meeting”, IMBB-FORTH, Heraklion, Greece, 23-24 April 2012.
- 2012 Member of the Scientific organizing committee for the “Proteins to Proteomics Workshop”, IMBB-FORTH, Heraklion, Greece, 05-09 March 2012.
- 2011 Member of the Scientific organizing committee for the “Workshop on Functional & Structural Proteomics, Institute Pasteur, Athens, Greece, 06-07 October 2011.
- 2010 Member of the Scientific organizing committee of the “First International Proteomics Conference on Crete”. IMBB-FORTH, Heraklion, Greece, 07-09 October 2010.

Conference/Meeting participation (as a PI, 2008-2015)

- 2015 66th Congress of the Hellenic Society of Biochemistry and Molecular Biology, Athens 11-13 December 2015 (Invited speaker).
- 2015 The Non-coding Genome, EMBO/EMBL Symposium, Heidelberg, Germany, 18-22 October 2015. Salataj E., Stathopoulou C., Hafthorsson R., Spilianakis C.G. (Poster) “Subnuclear localization of miRNA loci: A link between nuclear periphery and transcriptional regulation”
- 2015 Stem Cell Epigenetics, Sitges, Spain, 20-22 September 2015. Salataj E., Stathopoulou C. and Spilianakis C.G. (Poster) “Subnuclear localization of miRNA gene loci as a potential mechanism of transcriptional regulation”.
- 2015 EMBO Conference “Chromatin and Epigenetics”, Heidelberg, Germany, 6-10 May 2015. Stratigi K., Kapsetaki M., Aivaliotis M., Town T., Flavell R. A. and Spilianakis C.G. (Poster) “Spatial proximity of homologous alleles and long noncoding RNAs regulate a switch in allelic gene expression”.
- 2015 EMBO Conference “Chromatin and Epigenetics”, Heidelberg, Germany, 6-10 May 2015. Tzerpos P., Panagopoulos G., Savvidis T., Aivaliotis M., Benos P.V., Spilianakis C. (Poster) “Convergent roles of transcription factors BACH1 and SATB1 in murine T cells”.
- 2015 International Course: Non Coding Genome, Institute Curie, Paris, France, 09-13 February 2015. Salataj E., Stathopoulou C., Spilianakis C. (Poster) “Subnuclear localization of miRNA loci as a potential mechanism of transcriptional regulation”.
- 2014 EMBO Practical Course “Non-coding RNA in Infection”, Wurzburg, Germany, 12-18 October 2014. Kapsetaki M., Stratigi K. and Spilianakis C. (Poster) “LncRNAs SeT and ASeT regulate *Tnfa* gene expression”
- 2014 EMBO Workshop: “Non-coding RNAs in genome expression, maintenance and stability”, Cargese (Corsica), France, 07-10 October 2014. Salataj E., Stathopoulou C. and Spilianakis C.G. (Poster) “Subnuclear localization of miRNA gene loci as a potential mechanism of transcriptional regulation”.
- 2014 3rd Summer School in Medical & Biosciences Research & Management, Itilo-Mani, Laconia, Greece, 17-25 May 2014. Charalampos Spilianakis (speaker) “Homologous pairing and long non-coding RNAs regulate *Tnfa* allelic expression”.
- 2013 9th Hellenic Conference of Immunology, Athens, Greece, 12-14 December 2013. Charalampos Spilianakis (speaker), “Epigenetic regulation of cytokines”.
- 2013 The 5th EMBO meeting, Amsterdam, The Netherlands, 21-24 September 2013. Claire Psyllaki & Charalampos Spilianakis (Poster), “SATB1 mediates long-range chromosomal interactions in CD4⁺ cells”.
- 2013 38th FEBS Congress “Mechanisms in Biology”, St Petersburg, Russia, 6-11 July 2013. Tzerpos P., Savvidis T., Aivaliotis M., Benos P.V., Spilianakis C. (Poster) “Bioinformatic and proteomic analysis of transcription factor binding sites in interacting regulatory elements in mouse T cells”.
- 2012 “Gene regulation: From DNA Sequence to Nuclear Structure”, INTEGER-ITN Conference, Eugenides Foundation, Athens, Greece, 14-16 November 2012.

- Tzerpos P., Savvidis T., Aivaliotis M., Benos P.V., Spilianakis C. (Poster), “Bioinformatic and proteomic analysis of transcription factor binding sites in interacting regulatory elements in mouse T cells”.
- 2012 "Gene regulation: From DNA Sequence to Nuclear Structure", INTEGER-ITN Conference, Eugenides Foundation, Athens, Greece, 14-16 November 2012.
Stratigi C., Kapsetaki M., Aivaliotis M. and Spilianakis C.G (Poster) “Homologous pairing and long non-coding RNAs regulate *Tnfa* allelic expression”.
- 2012 “2nd Greek Orbitrap Users Meeting”, Heraklion, Crete, April 23-24 2012.
- 2012 Joint Meeting: Chromatin Dynamics-Epigenomics, Keystone Resort, Colorado, USA (Organizers: B.R. Cairns, G.Almouzni, S.E. Jacobsen, S.Henikoff), 17-22 January 2012.
Charalampos Spilianakis, C.Deligianni (Poster), “IfnyR1 gene expression is regulated via CTCF-mediated long range intrachromosomal interactions with the *Ifny* locus”.
- 2012 Joint Meeting on Chromatin Dynamics and Epigenomics, Keystone, Colorado, USA, January 17-22.
Poster presented: Deligianni C., Spilianakis C.G., “IfnyR1 gene expression is regulated via CTCF-mediated long range intrachromosomal interactions with the *Ifny* locus”.
- 2011 Workshop on Functional & Structural Proteomics, Institute Pasteur, Athens, Greece, 6-7 October 2011.
C. Stratigi, M. Aivaliotis, C. Spilianakis (Poster), “Homologous association in the TNF α locus”.
- 2010 1st International Proteomics Conference on Crete, Heraklion, Crete, Greece, 07-08 October 2010.
P. Tzerpos ,T. Savvidis, M.Sarris , M.Aivaliotis, C.Spilianakis (Poster) “Affinity Capture and Mass Spectrometric Identification of Specific DNA Binding Proteins”.
- 2010 1st International Proteomics Conference on Crete, Heraklion, Crete, Greece, 07-08 October 2010.
C. Stratigi, M. Aivaliotis, C. Spilianakis (Poster) “Inter-chromosomal interactions in the TNF α locus”.
- 2010 "Chromatin Proteomics", Munich, Germany, 23-24 March 2010
Callina Stratigi (Poster).
- 2009 "60th Greek Conference of the Hellenic Society of Biochemistry and Molecular Biology", Athens, Greece, 20-22 November 2009.
Charalampos Spilianakis (Invited speaker), “Interchromosomal cytokine gene regulation”.
- 2009 Tri-Society Annual Conference of the Society for Leukocyte Biology, International Cytokine Society, and the International Society for Interferon and Cytokine Research, Lisbon, Portugal, 18-21 October.
Deligianni C., Spilianakis C.G. Long-range genomic cytokine-receptor interaction regulates gene expression. (*Poster selected for oral presentation by C.Deligianni who was awarded the 2nd student prize*)
- 2009 Tri-Society Annual Conference of the Society for Leukocyte Biology, International Cytokine Society, and the International Society for Interferon and Cytokine Research, "Cellular and Cytokine Interactions in Health and Disease", Lisbon, Portugal, 18-21 October 2009
C.Spilianakis (Invited speaker) “Interchromosomal cytokine gene regulation”

Prizes and Awards

- 2008-2011: Investigator Award, Cancer Research Institute, USA.
- 2007: Howard Hughes Medical Institute Research Associate Fellowship.
- 2006-2007: Postdoctoral Fellowship from Yale University.
- 2003-2006: Postdoctoral Fellowship from Cancer Research Institute-USA.
- 2001: Award from Greek Secretariat for Research and Technology, for excellent scientific work in postgraduate studies.
- 2000: Fellowship from PENED programme entitled, “Molecular study of osteosarcomas”.
- 1999: EPEAEK Fellowship from the postgraduate program for Molecular Biology and Biomedicine.
- 1998: First Award from Greek Fellowship Foundation (IKY) for excellence as a postgraduate student.
- 1996-1998: Fellowship from the Foundation of Research and Technology of Greece.

International Collaborations

- R.A.Flavell (Immunobiology, Yale University, USA): Mechanisms of CD4 lymphocyte differentiation using mouse models.
- Terrence Town (Cedars-Sinai Medical Center, USA): Development of microscopy technologies for the study of homologous associations of gene loci.

- K.Igarashi (Tohoku University,Japan): Study of immune system homeostasis of *Bach1*^{-/-} mice.
- D.Amsen (Academisch Medisch Centrum,The Netherlands): The role of SATB1 protein in the development of CD8⁺ T lymphocytes.
- T.Benos (University of Pittsburgh, USA): Bioinformatics analysis of transcription factor binding sites of interacting regulatory elements in mouse T cells.
- K.Mavromatis (DOE Genome Institute, Berkeley, USA): Bioinformatics analysis for the identification of regulatory elements in miRNA gene loci expressed in the immune system.
- V.Pachnis (MRC, National Institute for Medical Research, UK): generation of a conditional *Satb1* knockout mouse.
- L.Nagy (Sanford-Burnham Medical Research Institute, USA & University of Debrecen, Hungary): Muscle regeneration in *Bach1*^{-/-} mice.

Teaching and supervision activities

Undergraduate courses

- 2009-10 “Nobel Prizes in Biology”, Department of Biology, University of Crete.
- 2010- “Biochemistry I” (sole lecturer), Department of Biology, University of Crete.
- 2010- “Essential Cell Biology” (4 lectures), Department of Chemistry, University of Crete.
- 2011- “When Biochemistry meets Epigenetics” (sole lecturer), Department of Biology, University of Crete.
- 2012 3 lectures in the Laboratory course “General Methods for the Identification and Analysis of Biological Macromolecules”, Department of Biology, University of Crete.
- 2015- Responsible for the undergraduate course «Molecular Biology», Department of Biology, University of Crete.

Graduate courses

- 2008- Graduate Programme on “Molecular Biology-Biomedicine”. Course: “Molecular organization of life” (2 lectures). Departments of Biology and Medicine, University of Crete.
- 2008- Graduate Programme on “Molecular Basis of Human Disease”. Course: “Immunity and Infections” (1 lecture). Medical School, University of Crete.
- 2009-14 Graduate Programme on “Horticultural Genetics and Biotechnology”. Course: “Basic Principles of Biochemistry” (10 lectures). Mediterranean Agronomic Institute of Chania.
- 2011- Graduate Programme on “Molecular Biology-Biomedicine”. Course: “Multicellular organization of life” (3 lectures). Departments of Biology and Medicine, University of Crete.
- 2015- Graduate Programme on “Molecular Biology-Biomedicine”. Course: “Biomedical Sciences & Technology” (2 lectures). Departments of Biology and Medicine, University of Crete.

Supervision

As an independent investigator the last seven years I have supervised 5 PhD students in my lab (2 completed, 5 ongoing) and 1 postdoctoral fellow. I have supervised 7 MSc students (1 year lab project each). I have also supervised 16 Diploma thesis students (13 completed, 3 ongoing), 19 undergraduate research projects (three months each) and 18 graduate MSc rotation students. I was also an external supervisor for 23 PhD students, an external evaluator for 31 PhD theses, an examiner for 26 Qualifying PhD exams and an external evaluator for 13 MSc theses.

Reviewer

Grant Applications

- External reviewer for the Agence Nationale de la Recherche (ANR), France (2016).
- Evaluator for the Hungarian Scientific Research Fund (OTKA). Review Panel member of the “Molecular Biology and Molecular Interactions” committee (2015, 2016).
- External Expert Evaluator for EU-COST Action proposals (2015, 2016).
- External Expert Evaluator for grant proposals for the "Marsden Fund" of the ROYAL ACADEMY of New Zealand (2015).
- Expert Evaluator for Marie Skłodowska-Curie Individual Fellowships H2020-MSCA-IF-2014, H2020-MSCA-IF-2015, H2020-MSCA-IF-2016.
- The Netherlands Organisation for Scientific Research. Research proposals reviewer (2007).

- Reviewer of scientific proposals for the EU funded programme FP7-PEOPLE-CIG (Career Integration Grants) (2011).
- Greek Ministry of Education and General Secretariat of Research and Technology. Reviewer for the programme “Support of Small and Medium Enterprises for R&D activities” (2013).
- Greek Ministry of Education. Member of the Grant evaluating committee for the “Transnational cooperation of Greece-Slovakia”, HEALTH R&D proposals (2012).
- Greek Ministry of Education. Member of the Grant evaluating committee for the “Transnational cooperation of Greece-Turkey” (2013).
- Greek Ministry of Education. Member of the Grant evaluating committee for the “Transnational cooperation of Greece-China”, HEALTH R&D proposals (2012).
- Greek Ministry of Education. Reviewer of proposals for the programme “Lifelong Learning” in the thematic areas of Medicine, Pharmacology and Biotechnology (2012).
- Greek Ministry of Education. Reviewer of research proposals for the programme “ARCHIMEDES”, postdoctoral fellowships for higher education institutions (2010).
- Greek Ministry of Education, Lifelong Learning for University graduates (2013).

Journals

- Member of the Academic Editorial Board for PLOS One .
- Reviewer of research manuscripts for: Education Research Review (Elsevier, Impact Factor 2014: 2.452), European Journal of Immunology (WILEY-VCH Verlag GmbH & Co, Impact Factor 2014: 4.034), Journal of Aging Research (Hindawi Publishing Corporation), Nature Communications (Nature publishing group, Impact Factor 2014: 11.470), Nature Scientific Reports (Nature publishing group, Impact Factor 2014: 5.578), PLOS One (Public Library of Science, Impact Factor 2014: 3.234), Journal of Molecular Biology (Elsevier, Impact Factor 2014: 4.333), Molecular and Cellular Biochemistry (Springer).

Community activities

- Chair of the Graduate Programme «Molecular Biology – Biomedicine» of the Departments of Biology and Medicine of the University of Crete (2015).
- Member of the Evaluation Committee for the Central Administration’s personnel of the Foundation for Research & Technology Hellas (2014).
- Member of the Undergraduate studies Committee, Department of Biology, University of Crete (2014).
- Member of the Graduate Studies Committee of the University of Crete (since 2014).
- Member of the Animal users committee of the Institute of Molecular Biology & Biotechnology (IMBB-FORTH), (since 2012).
- Member of the Biology Department Web-committee since 2010.
- Member of the International Advisory Board for the Omicron Project “Enabling OMICs high-throughput technologies at the Faculty of Medicine Jagiellonian University Medical College”, Krakow, Poland (2010-2014).
- Member of the Admissions and Organizing committee for the graduate programme “Molecular Biology-Biomedicine” of the Departments of Biology and Medicine at the University of Crete since 2008.