

Curriculum Vitae – Charalampos G. Spilianakis

Personal Information

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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: **BSc** 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
Total citations:	2272
Average citations (w/o self)/publication:	73.32
Total Impact Factor:	477.038
<i>h-index</i> :	19

1. Eralda Salataj, [Charalampos Spilianakis](#), Julie Chaumeil. Single-cell detection of primary transcripts, their genomic loci and nuclear factors by immuno-3D RNA/DNA FISH in T cells. **Front. Immunol.** 2023, Vol.13
2. George Papadogkonas, Dionysios-Alexandros Papamatheakis and [Charalampos Spilianakis](#). 3D Genome Organization as an Epigenetic Determinant of Transcription Regulation in T Cells. **Front. Immunol.** 2022, 13:921375
3. Tomas Zelenka, Antonios Klonizakis, Despina Tsoukatou, Dionysios-Alexandros Papamatheakis, Sören Franzenburg, Petros Tzerpos, Ioannis-Rafail Tzonevrakis, George Papadogkonas, Manouela Kapsetaki, Christoforos Nikolaou, Dariusz Plewczynski and [Charalampos Spilianakis](#). The 3D enhancer network of the developing T cell genome is shaped by SATB1. **Nat. Communications** 2022, 13(1): 6954
4. Papadogkonas G, Papamatheakis DA, [Spilianakis C](#). 3D Genome Organization as an Epigenetic Determinant of Transcription Regulation in T Cells. **Front Immunol.** 2022 Jun 22;13:921375.
5. Zelenka T, [Spilianakis C](#). HiChIP and Hi-C Protocol Optimized for Primary Murine T Cells. **Methods Protoc.** 2021; 4(3):49.

6. Zelenka T & Spilianakis C.G. (2020) SATB1-mediated chromatin landscape in T cells. **Nucleus** 11: 117-131
7. Salataj E, Stathopoulou C, Hafþórsson RA, Nikolaou C, Spilianakis C.G. (2019) Developmental Conservation of microRNA Gene Localization at the Nuclear Periphery. **PLoS One** 14(11):e0223759.
8. Patsalos A, Tzerpos P, Halasz L, Nagy G, Pap A, Giannakis N, Lyroni K, Koliaraki V, Pintye E, Dezso B, Kollias G, Spilianakis CG, Nagy L. (2019) The BACH1-HMOX1 Regulatory Axis Is Indispensable for Proper Macrophage Subtype Specification and Skeletal Muscle Regeneration. **J Immunol.** 203(6):1532-1547.
9. Stathopoulou C, Kapsetaki M, Stratigi K, Spilianakis C. (2017) Long non-coding RNA SeT and miR-155 regulate the Tnfa gene allelic expression profile. **PLoS One** 14;12(9):e0184788.
10. 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.
11. 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
12. 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
13. 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
14. Deligianni C., Spilianakis C.G. (2012) Long-range genomic interactions epigenetically regulate the expression of a cytokine receptor. **EMBO Rep.** 13: 819-826
15. 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
16. Williams A., Spilianakis C.G., Flavell R.A. (2010) Interchromosomal association and gene regulation in trans. **Trends Genet.** 26: 188-197
17. 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
18. 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
19. 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
20. Spilianakis C.G., Flavell R.A. (2007) Epigenetic regulation of Ifny expression. **Nat Immunol.** 8: 681-683
21. Spilianakis C.G., Flavell R.A. (2006) Managing associations between different chromosomes. **Science** 312: 207-208
22. 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
23. 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
24. 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
25. 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
26. 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
27. Spilianakis C.G., Flavell R.A. (2004) Long-range intrachromosomal interactions in the T helper type-2 cytokine locus. **Nat Immunol.** 5: 1017-1027

28. 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
29. 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
30. 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)
31. 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
32. **J Biol Chem.** 276: 32191-32197
33. 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
34. 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

Conference Proceedings

1. Deligianni C., Spilianakis C.G. Long-range genomic cytokine-receptor interaction regulates gene expression. **CYTOKINE** (2009) 48(1-2): 2; Tri-Society Annual Conference of the International-Cytokine-Society/International-Society-of-Interferon-and-Cytokine-Research/Society-of-Leukocyte-Biology
2. Spilianakis C.G. Interchromosomal cytokine gene regulation. **CYTOKINE** (2009) 48(1-2): 3-3; Tri-Society Annual Conference of the International-Cytokine-Society/International-Society-of-Interferon-and-Cytokine-Research/Society-of-Leukocyte-Biology
3. Spilianakis C.G., Lalioti M., Town T., Lee, GR, Flavell, RA. Epigenetic regulation of cytokine gene expression. **IMMUNOLOGY** (2009) 116: 30-30, Supplement 1
4. Tzerpos P., Savvidis T., Aivaliotis M., Benos P., Spilianakis C.G. Bioinformatic and proteomic analysis of transcription factor binding sites in interacting regulatory elements in mouse T cells. **FEBS Journal** (2013) 280:20-20; 38th Congress of the Federation-of-European-Biochemical-Societies (FEBS)
5. Doxaki C., Eliopoulos A., Spilianakis C.G., Tsatsanis C. 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** (2013) 32: S65-S65, Supplement 1
6. Patsalos A, Tzerpos P, Halasz L, Nagy G, Pap A, Giannakis N, Lyroni K, Koliaraki V, Pintye E, Dezso B, Kollias G, Spilianakis CG, Nagy L. Macrophage BACH1, a heme regulated transcriptional repressor, controls HMOX1 and skeletal muscle regeneration. **FASEB JOURNAL** (2019) 33; Experimental Biology Meeting
7. Vakonaki E, Fragkiadaki P, Salataj E, Alegkakis A, Kouvidi E, Tzatzarakis MN, Spilianakis CG, Tsatsakis AM The lack of telomeres with or without the use of vitamin supplements. **Toxicology Letters** (2016) 258: S93

Funding ID

- 2023-2025 Greek Secretariat for Research & Technology, Flagship Actions, “Identification, confirmation and exploitation of the genetic basis of non-communicable multifactorial diseases for the development of new therapeutic approaches and reliable biomarkers”. Funding: 4.915.000€. (Partner: 150.000€) (TAEDR-0535850)
- 2019-2023 H2020-MSCA-ETN-2018, “Joint Training and Research Program on Chromatin Dynamics and the DNA Damage Response”. Funding: 4.011.939€. (Partner: 243.000€) (GA-622934)
- 2018-2019 Research Grant in the Biomedical Sciences, FONDATION SANTE. “X-COAT: SATB1 unleashes the inactive X chromosome in T lymphocytes: implications for autoimmunity” (Principal Investigator) Funding: 50.000€.
- 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

- “Fondation Santé Grant Recipients”, FONDATION SANTE, Athens, 29-30 September 2023
- Cancéropôle Grand Sud-Ouest, Genome Dynamics and Cancer, September 15-16 2022, Toulouse, France
- “2019 Fellows Symposium”, FONDATION SANTE, Ionic Center, Athens, 24-25 May 2019.
- EMBO Workshop, The genome in three dimensions, Kyllini, Greece, 20-24 May 2019.
- Nuclear Landscapes 2018 Conference, Warsaw, Poland, 14-16 September 2018.
- “2017 Fellows Symposium”, FONDATION SANTE, Ionic Center, Athens, 24-25 May 2019.
- aDDress-ITN Conference on Molecular Mechanisms in Ageing and Disease, Hersonissos 24-25 September 2016.
- 23rd International Conference on Clinical Oncology, Heraklion, Crete, 12-15 November 2015.
- Recent Advances in *Omics* 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

- Department of Microbiology, Tumor and Cell Biology, Karolinska Institute, Stockholm, Sweden, 09 December 2016.
- Center for Infectious Medicine, Karolinska Institute, Stockholm, Sweden, 7-10 December 2016
- 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

- 2019 Summer School Computer Sciences Department, University of Crete, Heraklion July 01-03 2019, Greece
- 2019 21st Conference of Chemistry Graduate Students, Department of Chemistry, University of Crete, Heraklion May 15-17 2019, Greece
- 2018 Erasmus Intensive Programme, 5th International Course, “Care and use of laboratory animals”, 04-15 June 2018, Heraklion, Crete, Greece.
- 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

- 2018 Coorganiser of IMBB-WORKSHOP “Gene Regulation: from Transcription Factors to Nuclear Architecture and Beyond” - A symposium in honor of Joseph Papamatheakis’ 70th birthday, Heraklion, Crete, Greece, 21 July 2018

- 2017 Coorganiser of Chromatin3D ITN 2nd Annual meeting, Stockholm, Sweden, 16-18 March 2017
- 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

- 2023 Epigenetics, Chromatin Development and Disease, Victoria, British Columbia, Canada, Keystone Symposia, 12-15 March 2023
Dionysios-Alexandros Papamatheakis, Petros Tzerpos, Tomas Zelenka, Despina Tsoukatou, Charalampos Spilianakis (Poster) The interplay of SATB1 and BACH1 in gene regulation of T cells and the cause of autoimmunity
- 2022 The Molecular Mechanisms of Immune Cell Development and Function Conference, Nova Scotia, Canada, July 31-August 4, 2022
George Papadogkonas, Tomas Zelenka, Thodoris Savvidis, Pantelis Topalis, Petros Tzerpos, George Panagopoulos, Debbie Tsoukatou, Charalampos Spilianakis (Poster) Investigation of SATB1 functions in T cell development and (auto)-immunity
- 2021 Epigenetics, Melbourne, 17-19 February 2021
- 2020 Genome Organization & Nuclear Function, Cold Spring Harbor Laboratory, April 28-May 01, 2020.
- 2018 Genome Architecture in Cell Fate and Disease, Gordon Research Conference, August 3-4, 2019, Hong Kong.
- 2017 Young Leaders Project, The Andreas Papandreou Foundation, Heraklion, 06-08 July 2017.
- 2016 ChIA-PET (Chromatin Interaction Analysis Using Paired-End Tag Sequencing) Workshop, The Jackson Laboratories, November 7-11, 2016, Farmington, Connecticut, USA
- 2016 FEBS Workshop in Chromatin Proteomics, Heraklion, Greece, October 2016.
- 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.

Teaching and supervision activities

Undergraduate courses

- 2009-11 “Nobel Prizes in Biology”, Department of Biology, University of Crete.
 2009-18 “Biochemistry I” (sole lecturer), Department of Biology, University of Crete.
 2009- “Reading Course”, Department of Biology, University of Crete.
 2009- “Laboratory Internship”, Department of Biology, University of Crete.
 2010-20 “Essential Cell Biology” (4 lectures), Department of Chemistry, University of Crete.
 2011- “When Biochemistry meets Epigenetics” (sole lecturer), Department of Biology, University of Crete.
 2012-19 3 lectures in the Laboratory course “General Methods for the Identification and Analysis of Biological Macromolecules”, Department of Biology, University of Crete.
 2018- “Molecular Biology” (sole lecturer), Department of Biology, University of Crete.
 2021- “When Biochemistry meets Epigenetics – ERASMUS+” (sole lecturer), Department of Biology, University of Crete.
 2022- “Molecular Biology-ERASMUS+” (sole lecturer), Department of Biology, University of Crete.
 2022- “Genomes” (sole lecturer), Department of Biology, University of Crete.
 2022- “Genomes-ERASMUS+” (sole lecturer), Department of Biology, University of Crete.
 2022- “Research and Communication skills for Biologists” (sole lecturer), Department of Biology, University of Crete.

Graduate courses

- 2008-19 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: “Autoimmune/Inflammatory and Infectious Diseases” (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.
 2011-22 Graduate Programme on “Molecular Biology-Biomedicine”. Course: “Multicellular organization of life” (3 lectures). Departments of Biology and Medicine, University of Crete.
 2015-19 Graduate Programme on “Molecular Biology-Biomedicine”. Course: “Biomedical Sciences & Technology” (2 lectures). Departments of Biology and Medicine, University of Crete.
 2020- Graduate Programme on “Bioethics”. Course: “Introduction to Biology” (2 lectures). School of Social Sciences, University of Crete.

Supervision

- As an independent investigator the last seven years I have supervised 9 PhD students in my lab (5 completed, 3 ongoing) and 1 postdoctoral fellow.
- I have supervised 9 MSc students (1 year lab project each).
- I have also supervised
 - o 30 Diploma thesis students (27 completed, 3 ongoing),
 - o 32 undergraduate research projects (three months each) and

- 25 graduate MSc rotation students.
- I was also an external supervisor for 39 PhD students,
- an external evaluator for 58 PhD theses,
- an examiner for 33 Qualifying PhD exams and
- an external evaluator for 32 MSc theses.

Reviewer

Grant Applications

International

- 2022 Medical Research Council, UK Research and Innovation
- 2020-2022 European Research Council, STARTING grant proposals, LS7 Panel
- 2020-2022 Italian Ministry of Universities and Research (MUR)
- 2020 Member of the Evaluation Committee of PhD candidates for Institut Curie's EuReCa PhD Program
- 2018-2022 European Research Council, SYNERGY grant proposals, LS Panel
- 2014-2022 External Evaluator for Marie Skłodowska-Curie Individual Fellowships H2020-MSCA-IF, Scientific Panel [LIF]
- 2015-2022 External Evaluator for EU-COST Action proposals
- 2016-2022 Proposal Evaluator for Agence Nationale de la Recherche (ANR), France
- 2015-2022 Evaluator for the Hungarian Scientific Research Fund (OTKA). Review Panel member of the "Molecular Biology and Molecular Interactions" committee
- 2018 Proposal Evaluator for Bulgarian National Science Fund COVID-19
- 2016-2018 External Evaluator for the Cyprus Research Promotion Foundation, "Cyprus Research Award – Young Researcher", Foundation of Research, Cyprus
- 2017 «RESTART 2016-2020» Programmes for Research, Technological Development and Innovation, Programme «Excellence Hubs», Cyprus
- 2014 External Expert Evaluator for grant proposals for the "Marsden Fund" of the ROYAL ACADEMY of New Zealand
- 2011-2012 Reviewer of scientific proposals for the EU funded programme FP7-PEOPLE-CIG (Career Integration Grants)
- 2007 The Netherland's Organization for Scientific Research

National

- 2020-2022 General Secretariat for Research and Technology, "Postdocs-ELIDEK"
- 2019-2020 State Scholarships Foundation. Evaluator "Postdoctoral Fellows-Cycle B"
- 2018 State Scholarships Foundation. Evaluator "Doctoral Fellows"
- 2017/2019 EYDE-ETAK, Evaluator of the action "EREVNO DIMIOURGO KAINOTOMO", Cycle B'
- 2018 Karatheodoris Foundation, University of Patras
- 2017/2019 EDBM34, Greek Ministry of Education
- 2013 Greek Ministry of Education, Lifelong Learning for University graduates
- 2013 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-Turkey"
- 2012 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-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
- 2010 Greek Ministry of Education. Reviewer of research proposals for the programme "ARCHIMEDES", postdoctoral fellowships for higher education institutions

Journals**Member of the Academic Editorial Board for:**

- Frontiers in Immunology (FrontiersIn)
- PLOS One (Public Library of Science)
- International Journal of Epigenetics (Spandidos Publications)
- Molecular & Cellular Oncology (Landes Bioscience)

Reviewer of research manuscripts for:

- Nature Immunology (Nature publishing group),
- Nature Communications (Nature publishing group)
- Nature Scientific Reports (Nature publishing group)
- Communications Biology (Nature publishing group)
- Signal Transduction and Targeted Therapy (Nature publishing group)
- Cell Reports (Cell Press)
- iScience (Cell Press)
- Life Science Alliance (EMBO Press)
- Frontiers in Immunology (FrontiersIn)
- Frontiers in Cell and Developmental Biology (FrontiersIn)
- Frontiers in Genetics (FrontiersIn)
- Frontiers in Aging (FrontiersIn)
- Frontiers in Bioscience (FrontiersIn)
- PLOS One (Public Library of Science)
- European Journal of Immunology (WILEY-VCH Verlag GmbH & Co)
- Journal of Molecular Biology (Elsevier)
- Gene Regulatory Mechanisms (Elsevier)
- Microbial Pathogenesis (Elsevier)
- Education Research Review (Elsevier)
- BBA Gene Regulatory Mechanisms (Elsevier)
- BMRI Genetics (Hindawi Publishing Corporation)
- Mediators of Inflammation (Hindawi Publishing Corporation)
- Biomed Research International (Hindawi Publishing Corporation)
- BMRI Genetics (Hindawi Publishing Corporation)
- Journal of Aging Research (Hindawi Publishing Corporation)
- Molecular and Cellular Biochemistry (Springer)
- International Journal of Molecular Sciences (MDPI)
- Biomedicines (MDPI)
- Biomolecules (MDPI)
- Cancers (MDPI)
- Cells (MDPI)
- Genes (MDPI)
- Life (MDPI)
- Journal of Leucocyte Biology (Oxford Academic)
- Molecular Oncology (Landes Bioscience)

Community activities

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| 2022- | Member of the Public Relations Committee of the Department of Biology at the University of Crete |
| 2022 | Member of the founding committee of the Postgraduate Study Program in "Pharmaceutical Biotechnology" of the University of Crete |
| 2022 | Member of the event co-organization committee at the Department of Biology, with the DASTA structure of the University of Crete |
| 2022 | Representative of the Department of Biology and co-organizer of a conference with the Panhellenic Union of Biologists |
| 2021-2022 | Member of the Undergraduate Curriculum Reform Committee |

- 2021-2022 Member of the election committee for the selection of members of the Research Committee of the University of Crete
- 2021 Member of the conference co-organization committee from the Departments of the Faculty of Technological Sciences of the University of Crete
- 2021 Evaluator of candidates PD407/80 with subject "Computational Biology", Department of Biology, University of Crete
- 2020-2022 Member of the Finance committee of the Biology Department
- 2020-2022 Member of the committee (speaker) "Welcome of first-year students in the Department of Biology"
- 2020-2022 Member of the Internal Evaluation Committee of the Department of Biology (OMEA)
- 2020-2021 Member of the Examination Committee in the Department of Biology during the SARS-Cov2 Pandemic
- 2020-2021 Scientific manager of the University of Crete team for participation in the international iGEM Synthetic Biology competition
- 2020 Member of the candidate evaluation committee for the Manassaki scholarship, Department of Biology, University of Crete
- 2019-2021 Member of the Major Board of Panhellenic Examinations, Ministry of Education & Religious Affairs.
- 2019 Member of the Staff Evaluation and Selection Committee within the National Network of Precision Medicine at IMBB-FORTH
- 2018-2019 Presentation of the Biology Department to visiting secondary schools
- 2017-2018 Evaluator for the selection of Postdoctoral fellows within the ARCHERS program of IMBB-FORTH, funded by the Stavros Niarchos Foundation
- 2017/2020/2022 Evaluator for candidates at the Department of Biology of the University of Crete within the framework of the program "Acquisition of Academic Experience for new PhD holders 2017-2018 at the University of Crete
- 2017 Member of the two-day FORTH Retreat organizing committee
- 2016-2017 Member of the Graduate Studies Committee of the Department of Biology, University of Crete
- 2016 Member of the Graduate Studies Committee of the University of Crete
- 2015-2016 President of the postgraduate program "Molecular Biology - Biomedicine", collaboration between the Departments of Biology and Medicine of the University of Crete and IMBB-FORTH
- 2016 Member of the Graduate Studies Committee of the University of Crete
- 2015-2022 Speaker on Biosecurity issues at the Security Committee meeting organized at FORTH with the participation of University of Crete students
- 2015 Member of the Committee for Consolidation of Undergraduate Studies Programs of the Department of Biology, University of Crete
- 2014-2022 Member of the Undergraduate Studies Committee of the Department of Biology, University of Crete
- 2014-2015 Alternate member of the Graduate Studies Committee of the University of Crete
- 2014 Member of the Selection Committee for Biology Department candidates for participation in the "65th Lindau Nobel Laureate Meeting"
- 2014 Member of Educational and Research Personnel evaluation committees for the Department of Biology, University of Crete
- 2013 Member of the personnel evaluation committee of the central structures of FORTH
- 2013 Member of the evaluation committee for the IMBB-FORTH personnel
- 2013 Member of four project monitoring and acceptance committees managed by ELKE of the University of Crete
- 2012 Member of the Mouse Management Committee of IMBB-FORTH
- 2011 Member of committee for the reform of the laboratory courses of the 1st Division of the Biology Department of the University of Crete
- 2010 -2019 Member of the coordinating body of the postgraduate program "Molecular Biology - Biomedicine", collaboration between the Departments of Biology and Medicine of the University of Crete and IMBB-ITE

- 2010-2022 Member of the Design and Management committee of the website of the Biology Department of the University of Crete
- 2010-2014 Member of the international advisory board for the Omicron Project “Enabling OMICs high-throughput technologies at the Jagiellonian University Medical College”, Krakow, Poland
- 2010 Member of the upgrade and maintenance committee of the new website of IMBB-FORTH
- 2010 Member of the committee for evaluating bids for the purchase of a fluorescence microscope (Zeiss-Apotome) from the University of Crete
- 2008 -2019 Member of the evaluation committee for newly admitted students in the "Molecular Biology - Biomedicine" postgraduate program, collaboration between the Departments of Biology and Medicine of the University of Crete and IMBB-ITE