

Emmanouil I. Athanasiadis

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1. Current Positions

09/2022 – today

Assistant Professor in Computational Biology and Medical Informatics, [Medical Image and Signal Processing Laboratory \(MEDISP\)](#), [Department of Biomedical Engineering](#), School of Engineering, University of West Attica, Athens, **GR**

07/2018 – today

Visiting Scientist, [Open Targets Consortium \(OTAR\)](#), European Molecular Biology Laboratory (EMBL), European Bioinformatics Institute (EMBL-EBI), Wellcome Genome Campus, Hinxton, Cambridge, **UK**

2. Previous Positions

07/2020 – 08/2022

Staff Research Scientist - B (Associate Professor level), Head of the Computational Facility of the Greek Genome Center (HPC and Computational Pipelines), [Biomedical Research Foundation of the Academy of Athens](#) (BRFAA), Athens, **GR**

07/2018 – 07/2020

GSK Associate Fellow – Computational Biologist, Research and Development (R&D), Medical Science and Technology (MST), Functional Genomics (FxG), [GlaxoSmithKline \(GSK\)](#), Stevenage, London, **UK**

01/2016 – 07/2018

Research Associate, Cancer Research UK & ERC: *Less is more: Single Cell Analysis of Zebrafish Blood Development*. Department of Haematology, School of Clinical Medicine, [University of Cambridge](#), Gene expression genomics, [Wellcome Trust Sanger Institute](#), [Wellcome - MRC Cambridge Stem Cell Institute](#), Cambridge, **UK**

08/2011 – 12/2015

Research Associate, FP7 Cooperation: (a) *Mechanisms of induction of pluripotent cells: From transcriptional noise to therapies with the use of stem cells*, (b) *PIK3CA Oncogenic Mutations in Breast and Colon Cancers: Development of Targeted Anticancer Drugs*, [Biomedical Research Foundation of the Academy of Athens](#) (BRFAA), Athens, **GR**

06/2010 – 09/2010

Research Associate, Marie Curie: [3D anatomical functional models for the human musculoskeletal system](#). Medical Physics and Biomedical Engineering, [University College London](#) (UCL), London, **UK**

09/2008 – 05/2010

Research Assistant, Scholarship KARATHODORI “*Theoretical and clinical study of the acceptance of drugs that combine vasodilatory action*”. Department of Medical Physics, School of Clinical Medicine, [University of Patras](#), Patras, **GR**

01/2006 – 05/2006

Research Assistant, IST-2001-38911: *Self-organized societies of connectionist intelligent agents capable of learning (SOCIAL)*. Department of Medical Physics, School of Clinical Medicine, [University of Patras](#), Patras, **GR**

- 01/2005 – 12/2006 **Research Assistant**, Pythagoras II: *In vivo* study of angiogenesis in experimental animals using modern processing algorithms and image analysis techniques. Department of Medical Physics, School of Clinical Medicine, [University of Patras](#), Patras, **GR**
- 04/2004 – 06/2004 **Research Assistant**, Archimedes: Reformation of Under Graduate's Schedule. Department of Medical Instrumentation Technology, Faculty of Technological Applications, [Technological Educational Institute of Athens](#), Athens, **GR**

3. Education

- 11/2006 – 05/2010 **PhD**, International Interdepartmental Postgraduate Program in Medical Physics, Schools of Medicine and Physics, [University of Patras](#), Patras, **GR**
Thesis: "DNA Microarray image processing based on advanced pattern recognition techniques"
- 09/2004 – 06/2006 **MSc**, International Interdepartmental Postgraduate Program in Medical Physics, Schools of Medicine and Physics, [University of Patras](#), Patras, **GR**
Thesis: "Microarray Image Processing Based on Clustering and Active Contours Techniques"
- 04/2000 – 03/2004 **BSc**, Biomedical Engineering (Medical Instrumentation Technology Engineer) Technological Educational Institute of Athens, Faculty of Technological Applications, Department of Biomedical Engineering (former Medical Instruments Technology), [Technological Educational Institute of Athens](#), Athens, **GR**

4. Skills

Languages:

Greek

Native language

English (Level – C2)

Certificate of Proficiency in English (ECPE), Michigan

German (Level – B2)

ZERTIFIKAT Deutsch als Fremdsprache, Goethe-Institut

5. Scholarships and Awards

- 01/2019 – 01/2020 **GSK-Innovation, Performance, Trust and Culture (IPTC) Award**, Recognised as one of GSK's most impactful performers in 2019, GlaxoSmithKline (GSK), Stevenage, London, **UK**
- 01/2019 – 01/2020 Elected **GSK Associate Fellow**, GlaxoSmithKline (GSK), Stevenage, London, **UK**
- 07/2018 – 07/2020 **13 Bronze, 2 Silver and 1 Gold Global Recognition Award**, GlaxoSmithKline (GSK), Stevenage, London, **UK**
- 01/2015 – 01/2016 **Computational award** by the Greek Research and Technology Network - 'ARIS' National HPC 2015 Infrastructure for the project entitled "GRAND" (250,000 core hours)
- 01/2013 – 01/2013 **Prize for best poster presentation** at the 4th National Conference of forum of public health & social medicine, Royal Olympic Hotel, Athens, Greece

01/2012 – 01/2012	Third Prize for best oral presentation at the 6 th National Congress of Interventional Radiology Conference and Cultural Center University of Patras, Patras, Greece
04/14/2011	Publication of the <i>PhD</i> Abstract thesis in the journal Medical Physics (Impact Factor 4.506)
01/2008 – 12/2010	Scholarship awarded by the K. Karatheodoris Research Program . Reference: Professor Anastasos Bezerianos (bezer@med.upatras.gr)
01/2006 – 12/2008	Scholarship awarded by the State Scholarships Foundation of Greece (IKY) for PhD studies . References: Professor Ioannis Kandarakis (kandarakis@uniwa.gr)
01/2005 – 12/2006	Scholarship awarded by the State Scholarships Foundation of Greece (IKY) for MSc studies . References: Professor Ioannis Kandarakis (kandarakis@uniwa.gr)
01/2004 – 12/2006	Distinction awarded by the State Scholarships Foundation of Greece , as 1 st ranked student for both 1 st and 2 nd academic year of Medical Physics MSc course. Reference: Emeritus Professor George Nikiforidis (gnikif@med.upatras.gr)
01/2001 – 12/2002	Distinction awarded by the State Scholarships Foundation of Greece , as 1 st ranked student for the 1 st academic year of BSc course. Reference: Emeritus Professor Dionisis Cavouras (cavouras@uniwa.gr)

6. Teaching Experience in Postgraduate Programms (MSc)

09/2022 – today	Biomedical Methods and Technology in Diagnosis , Department of Biomedical Engineering, University of West Attica, Athens, GR 1 st year Modules: Biostatistics, Computational Biology
09/2022 – today	Molecular and Cellular Biology and Biotechnology , Faculty of Medicine, University of Ioannina, GR (Invited Instructor) 1 st year Modules: Functional Genomics
10/2021 – today	Modern Applications in Medical Imaging , Department of Biomedical Sciences, University of West Attica, Athens, GR 1 st year Module: Radiogenomics
10/2020 – today	Data Science and Information Technologies (DSIT) , Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Athens, GR (Guest Instructor) 1 st year Module: Computational Biology
10/2014 – 07/2016	Advanced Systems and Methods in Biomedical Engineering , Faculty of Technological Applications, University of West Attica, Athens, GR 1 st Year courses: Mathematical methods and application to modern biosciences 1 st Year courses: Informatics techniques in medicine and other biosciences
10/2012 – 12/2015	Information Technologies in Medicine and Biology , Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Athens, GR (Guest Instructor) 1 st Year courses: Simulation Methods in Medicine and Biology 1 st Year courses: Computer Modeling of Biomolecules

7. Teaching Experience in Undergraduate Programms (BSc)

- 09/2022 – today **Department of Biomedical Engineering**, University of West Attica, Athens, **GR**
1st year Module: Computer Programming Principles and Computer Programming Techniques
- 11/2015 – 01/2016 **Adjunct Laboratory Instructor (Lecturer level) at the department of Biomedical Engineering**, Faculty of Technological Applications, University of West Attica, Athens, **GR**
1st Year courses: Measurements of electrical circuits in Biomedical Engineering I and II
2nd Year courses: Medical Electronics
4th Year courses: Methodology for design & construction biomedical devices
- 10/2014 – 07/2015 **Adjunct Laboratory Instructor (Lecturer level) at the department of Biomedical Engineering**, Faculty of Technological Applications, University of West Attica, Athens, **GR**
1st Year courses: Measurements of electrical circuits in Biomedical Engineering I and II
2nd Year courses: Medical Electronics
4th Year courses: Methodology for design & construction biomedical devices
- 10/2013 – 07/2014 **Adjunct Laboratory Instructor (Lecturer level) at the department of Biomedical Engineering**, Faculty of Technological Applications, University of West Attica, Athens, **GR**
1st Year courses: Measurements of electrical circuits in Biomedical Engineering I and II
2nd Year courses: Medical Electronics
4th Year courses: Methodology for design & construction biomedical devices
- 10/2012 – 07/2013 **Adjunct Laboratory Instructor (Lecturer level) at the department of Biomedical Engineering**, Faculty of Technological Applications, University of West Attica, Athens, **GR**
1st Year courses: Measurements of electrical circuits in Biomedical Engineering I and II
2nd Year courses: Medical Electronics
- 10/2011 – 07/2012 **Adjunct Laboratory Instructor (Lecturer level) at the department of Biomedical Engineering**, Faculty of Technological Applications, University of West Attica, Athens, **GR**
1st Year courses: Measurements of electrical circuits in Biomedical Engineering I and II
2nd Year courses: Medical Electronics
- 10/2010 – 07/2011 **Adjunct Laboratory Instructor (Lecturer level) at the department of Biomedical Engineering**, Faculty of Technological Applications, University of West Attica, Athens, **GR**
2nd Year courses: Medical Electronics
4th Year courses: Microprocessor-based Instrumentation
- 10/2005 – 12/2005 **Laboratory Assistant at the Laboratory of Medical Physics**, School of Clinical Medicine, University of Patras, Patras, **GR**
1st Year courses: Medical Physics
- 11/2004 – 12/2004 **Laboratory Assistant at the Laboratory of Medical Physics**, School of Clinical Medicine, University of Patras, Patras, **GR**
1st Year courses: Medical Physics

8. Current Participation in Research Programs

- 09/2022 – today
Role: Funding Co-applicant & Research Group Member
Funding Agency: [Hellenic Foundation for Research & Innovation](#)
Title: Exploring Neuro Cardiac Axis
- 01/2020 – today
Role: Research Group Member
Funding Agency: [Open Targets](#), [EMBL-EBI](#)
Title: «OTAR2067 Cell type deconvolution of gene expression in disease data»
- 01/2020 – today
Role: Research Group Member
Funding Agency: [Open Targets](#), [EMBL-EBI](#)
Title: «OTAR2070 Immuno-Oncology Target Identification using Spatial Transcriptomics»
- 07/2018 – today
Role: Research Group Member
Funding Agency: [Open Targets](#), [EMBL-EBI](#)
Title: «OTAR051 Identification and functional validation of genes involved in non-alcoholic steatohepatitis liver disease (NASH)»

9. Previous Participation in Research Programs

- 01/2021 – 09/2022
Role: Research Group Member
Funding Agency: [National Organization of Public Health](#)
Title: National Genomic Surveillance Network for SARS-CoV-2 mutations, leading the computational analysis for the BRFAA (end-to-end computational analysis in more than 70,000 SARS-CoV-2 viromes)
- 07/2020 – 09/2022
Role: Research Group Member
Funding Agency: General Secretariat for Research and Technology, [Greece vs Corona](#)
Title: Flagship Action for SARS-CoV-2. Epidemiological study in Greece through extensive virus and antibody detection tests, viral genome sequencing and genetic analysis of patients
- 06/2018 – 07/2020
Role: Research Group Member
Funding Agency: [Open Targets](#), [EMBL-EBI](#)
Title: «OTAR027 Discovery of immune cells and molecules involved in asthma remission»
- 01/2016 – 06/2018
Role: Research Group Member
Funding Agency: [European Research Council](#) (Starting Grant)
Title: «Characterizing hematopoietic stem cells and their environment»
- 03/2015 – 12/2015
Role: Research Group Member
Funding Agency: [European Research Council](#) (Matching Funds)
Title: «Mechanisms of induction of pluripotent cells: From transcriptional noise to therapies with the use of stem cells (NOISEPLUS)»
- 08/2011 – 03/2015
Role: Research Group Member
Funding Agency: [European Research Council](#) (Cooperation)
Title: «PIK3CA Oncogenic Mutations in Breast and Colon Cancers: Development of Targeted Anticancer Drugs (POM)»
- 06/2010 – 09/2010
Role: Research Group Member
Funding Agency: [Marie Skłodowska - Curie](#)
Title: «3D anatomical functional models for the human musculoskeletal system (3DAH)»

09/2008 – 05/2010	Role: Research Group Member Funding Agency: Constantin Carathéodory Funding Program Title: «Theoretical and clinical study of the acceptance of drugs that combine vasodilatory action»
01/2006 – 05/2006	Role: Research Group Member Funding Agency: European Research Council Title: «Self-organized societies of connectionist intelligent agents capable of learning (SOCIAL)»
01/2005 – 12/2006	Role: Research Group Member Funding Agency: PYTHAGORAS II -Ministry of Education (EPEAEK) Title: «In vivo study of angiogenesis in experimental animals using modern processing algorithms and image analysis techniques»
04/2004 – 06/2004	Role: Research Group Member Funding Agency: ARCHIMEDES - 7th Framework Programme (FP7) Title: «Reformation of Under Graduate's Schedule»

10. Peer Reviewed Journal Publications (Full Manuscripts)

- Gribben Ch, Galanakis V, Calderwood A, Chazarra-Gil R, Rouhani F, Mahbubani K, Godfrey E, **Athanasidis E**, SaebParsy K, Allison M, Mohorianu I, Vallier L (2023) Acquisition of epithelial plasticity in the human liver during chronic disease progression. *Nature*, Under 2nd Revision, (IF 69.500)
- Voutyraki C, Choromidis A, Meligkounaki A, Vlachopoulos A, Theodorou V, Grammenoudi S, **Athanasidis E**, Giangrande A, Zacharioudaki E, Delidakis Ch (2023) Growth deregulation and interaction with host haemocytes contribute to tumour progression in a Drosophila brain tumour model. *Proceedings of the National Academy of Sciences (PNAS)*, Under 2nd Revision, (IF 12.780)
- Simigdala N, Chalari A, Sklirou A, Chavdoula E, Papafotiou G, Melissa P, Paschalidis N, Pateras I, **Athanasidis E**, Konstantopoulos D, Trougakos I, Klinakis A (2023) [Loss of KMT2C in vivo leads to EMT, mitochondrial dysfunction and improved response to lapatinib](#). *Cellular and Molecular Life Sciences (CMLS)*, 80(4), 100, (IF 9.261)
- Bousali M, Pogka V, Vatsellas G, Loupis T, **Athanasidis E**, Zoi K, Thanos D, Paraskevis D, Mentis A, Karamitros T (2022) [Tracing the first days of the SARS-CoV-2 pandemic in Greece and the role of the firstly imported group of travelers](#). *Microbiology Spectrum*, e0213422, (IF 9.043)
- Frangou E, Garantziotis P, Grigoriou M, Banos A, Nikolopoulos D, Pieta A, Doulas S, Fanouriakis A, Hatzioannou A, Manolakou T, Alissafi T, Verginis P, **Athanasidis E**, Dermitzakis E, Bertisias G, Filia A, Boumpas D (2022) [Cross-species transcriptome analysis for early detection and specific therapeutic targeting of human lupus nephritis](#). *Annals of the Rheumatic Diseases*, Published Online First: 29 July 2022. doi: 10.1136/annrheumdis-2021-222069 (IF 27.973)
- Anagnostopoulos A, Gaitanis A, Gkiozos I, **Athanasidis E**, Chatziioannou S, Syrigos K, Thanos D, Chatziioannou A, Papanikolaou N (2022) [Radiomics/Radiogenomics in Lung Cancer: Basic Principles and Initial Clinical Results](#) *Cancers*, 14 (7), 1657 (IF 6.639)
- Vougioukalaki M, Georgila K, **Athanasidis E**, Eliopoulos A (2022) [Cell adhesion tunes inflammatory TPL2 kinase signal transduction](#). *Cellular and Molecular Life Sciences*, 79 (3), 1-17. (IF 9.261)
- Stamatiki KP, Kastana P, Bousis D, Ntenekou D, Varela A, Davos C, Nikou S, Papadaki E, Tsigkas G, **Athanasidis E**, Herradon G, Mikelis C, Beis D, Papadimitriou E. (2022) [Protein tyrosine phosphatase receptor-ζ1 deletion triggers defective heart morphogenesis in mice and zebrafish](#). *American Journal of Physiology-Heart and Circulatory Physiology*, 322(1), H8-H24. (IF 4.733)
- Kanaki Z, Voutsina A, Markou A, Pateras IS, Potaris K, Avgeris M, Makrythanasis P, **Athanasidis E**, Vamvakaris I, Patsea E, Vachlas K, Lianidou E, Georgoulas V, Kotsakis A, Klinakis A (2021) [Generation of Non-Small Cell Lung Cancer Patient-Derived Xenografts to Study Intra-Tumor Heterogeneity](#). *Cancers*, 13(10), 2246. (IF 6.639)

10. Giovanni C, **Athanasiadis E**, Daniel O, Garcia-Bernado J, Göttgens B, Cvejic A, Vallier L. (2020) [Analysis of endothelial-to-haematopoietic transition at the single cell level identifies cell cycle regulation as a driver of differentiation](#). **Genome Biology**, 21, 157 (IF 17.910)
11. Karatzas E*, Zamora JE*, **Athanasiadis E**, Dellis D, Cournia Z, Spyrou GM (2020) [ChemBioServer 2.0: an advanced web server for filtering, clustering and networking of chemical compounds facilitating both drug discovery and repurposing](#). **Bioinformatics**, 36(8), 2602 *Joint First Authors (IF 6.937)
12. Hernández P*, Strzelecka P*, **Athanasiadis E***, Hall D, Robalo A, Collins C, Boudinot P, Levraud JP, Cvejic A. (2018) [Single-cell transcriptional analysis reveals ILC-like cells in zebrafish](#). **Science immunology** 3 (29), eaau5265 *Joint First Authors (IF 30.630)
13. **Athanasiadis E***, Botthof J*, Andres H, Ferreira L, Lio P, Cvejic A (2017) [Single-cell RNA-Sequencing uncovers transcriptional states and fate decisions in haematopoiesis](#). **Nature Communications**, 8(1), 2045 *Joint First Authors (IF 17.690)
14. Toutouzas K, Skoumas J, Koutagiar I, Benetos G, Pianou N, Georgakopoulos A, Galanakis S, Antonopoulos A, Drakopoulou M, Oikonomou E, Kafouris P, **Athanasiadis E**, Metaxas M, Spyrou G, Pallantza Z, Galiatsatos N, Aggeli C, Antoniadis Ch, Keramida G, Peters A, Anagnostopoulos C, Tousoulis D (2017) [Vascular inflammation and metabolic activity in hematopoietic organs and liver in familial combined hyperlipidemia and heterozygous familial hypercholesterolemia](#). **Journal of Clinical Lipidology**, 12(1), 33 (IF 3.580)
15. **Athanasiadis E**, Bourdakou M, Spyrou G (2017) [D-Map: Random walking on gene network inference maps towards differential avenue discovery](#). **IEEE/ACM Transactions on Computational Biology and Bioinformatics**, 14(2), 484 (I.F: 3.710)
16. Toutouzas K, Koutagiar I, Benetos G, Aggeli C, Georgakopoulos A, **Athanasiadis E**, Pianou N, Trachanellis S, Patelis N, Agrogiannis G, Kafouris P, Filis K, Bessias N, Klonaris C, Spyrou G, Tsiamis E, Siores E, Patsouris E, Cokkinos D, Tousoulis D, Anagnostopoulos CD (2016) [Inflamed human carotid plaques evaluated by PET/CT exhibit increased temperature: insights from an in vivo study](#). **European Heart Journal - Cardiovascular Imaging**, 18(11):1236 (IF 9.130)
17. Dee CT*, Nagaraju RT*, **Athanasiadis EI**, Gray C, Del Ama LF, Johnston SA, Secombes CJ, Cvejic A, Hurlstone AFL (2016) [CD4-transgenic zebrafish reveal tissue-resident Th2- and regulatory T cell-like populations and diverse mononuclear phagocytes](#). **Journal of Immunology**, 197 (9), 3520 *Joint First Authors ** Cover Page of the Issue (I.F: 5.422)
18. Papadavid E, Braoudaki M, Bourdakou M, Lykoudi A, Nikolaou V, Tounta G, Ekonomidi A, **Athanasiadis E**, Spyrou G, Antoniou C, Kitsiou-Tzeli S, Rigopoulos D, Kolialexi A (2016) [Aberrant microRNA expression in tumor mycosis fungoides](#). **Tumor Biology**, 37(11), 14667 (IF 3.650)
19. Tzanoukos G, **Athanasiadis E**, Gaitanis A, Georgakopoulos A, Chatziioannou A, Chatziioannou S, Spyrou G (2016) [SPNsim: A database of simulated solitary pulmonary nodule PET/CT images facilitating computer aided diagnosis](#). **Journal of Biomedical Informatics**, 63, 357 (IF 6.317)
20. Bourdakou M, **Athanasiadis E**, Spyrou G (2016) [Discovering gene re-ranking efficiency and conserved gene-gene relationships derived from gene co-expression network analysis on breast cancer data](#). **Scientific Reports**, 19(6), 20518 (I.F: 4.996)
21. Siavelis J, Bourdakou M, **Athanasiadis E**, Spyrou G, Nikita K (2016) [Bioinformatics methods in drug repurposing for Alzheimer's disease](#). **Briefings in Bioinformatics**, 17(2), 322 (IF 11.622)
22. Eleftheriou S, Bourdakou M, **Athanasiadis E**, Spyrou G. (2015) [GeneStoryTeller: A mobile app for quick and comprehensive information retrieval of human genes](#). **Database: the journal of biological databases and curation**. 2015, bav048 (IF 3.240)
23. **Athanasiadis E**, Bourdakou M, Spyrou G (2015) [ZoomOut: Analyzing multiple networks as single nodes](#). **IEEE/ACM Transactions on Computational Biology and Bioinformatics**. 12(5), 1213 (IF 3.710)
24. Pilalis E, Koutsandreas T, Valavanis I, **Athanasiadis E**, Spyrou G, Chatziioannou A (2015) [EnNetVis: a web-application for the automatic reconstruction and visualization of the enriched metabolic and signaling super-pathways deriving from genomic experiments](#). **Computational and Structural Biotechnology Journal**, 13, 248 (IF 7.271)
25. **Athanasiadis E**, Antonopoulou K, Chatzinasiou F, Lill CM, Bourdakou MM, Sakellariou A, Kypreou K, Stefanaki I, Evangelou E, Ioannidis J, Bertram L, Stratigos A, Spyrou G (2014) [A database of genetic association studies in melanoma using network-driven data exploration tools](#). **Database: the journal of biological databases and curation**, 2014, bau101 (IF 3.240)

26. Antonopoulou K, Stefanaki I, Lill CM, Chatzinasiou F, Kypreou K, Karagianni F, **Athanasiadis E**, Spyrou GM, Ioannidis J, Bertram L, Evangelou E, Stratigos A (2014) [Updated field synopsis and systematic meta-analyses of genetic association studies in cutaneous melanoma: The MelGene database](#). *Journal of Investigative Dermatology*, 135(4), 1074 (IF 8.551)
27. Niarchou A, Alexandridou A, **Athanasiadis E**, Spyrou G (2013) [C-PAmP: Large scale analysis and database construction containing high scoring computationally predicted antimicrobial peptides for all the available plant species](#). *PLoS ONE*, 8(11), e79728 (IF 3.752)
28. Ninos K, Kostopoulos S, Sidiropoulos K, Kalatzis I, Glotsos D, **Athanasiadis E**, Ravazoula P, Panayiotakis G, Economou G, Cavouras D (2013) [Computer-based image analysis system designed to differentiate between low-grade and high-grade laryngeal cancer cases](#). *Analytical and Quantitative Cytology and Histology*, 35(5), 261 (IF 0.185)
29. Solomou E, Kostopoulos S, Sidiropoulos K, **Athanasiadis E**, Lavdas E, Glotsos D, Sakellaropoulos G, Zampakis P, Stonham J, Cavouras D (2013) [Designing a pattern recognition system on GPU for discriminating between patients with micro-ischaemic and multiple sclerosis lesions using MRI images](#). *International Journal of High Performance Computing Applications*, 27(3), 348 (IF 1.625)
30. Sidiropoulos KP, Kostopoulos SA, Glotsos DT, **Athanasiadis EI**, Dimitropoulos ND, Stonham JT, Cavouras DA (2013) [Multimodality GPU-based computer-assisted diagnosis of breast cancer using ultrasound and digital mammography images](#). *International Journal of Computer Assisted Radiology and Surgery*, 8(4), 547 (IF 2.473)
31. Paraskevopoulou MD*, Vlachos IS*, **Athanasiadis E**, Spyrou G (2013) [BiDaS: a web-based Monte Carlo BioData Simulator based on sequence/feature characteristics](#). *Nucleic acids research*, 41, W582 *Joint First Authors (IF 19.160)
32. Kostopoulos S, Sidiropoulos K, Glotsos D, **Athanasiadis E**, Boutsikou K, Lavdas E, Oikonomou G, Fezoulidis IV, Vlychou M, Hantes M, Cavouras D (2013) [Pattern-recognition system, designed on GPU for discriminating between injured normal and pathological knee cartilage](#). *Magnetic Resonance Imaging*, 31(5), 761 (IF 2.546)
33. **Athanasiadis E**, Cournia Z, Spyrou G (2012) [ChemBioServer: A web-based pipeline for filtering, clustering and visualization of chemical compounds used in drug discovery](#). *Bioinformatics*, 28 (22), pp. 3002-3003. (IF 6.937)
34. **Athanasiadis E**, Cavouras D, Kostopoulos S, Glotsos D, Kalatzis I, Nikiforidis G (2011) [A wavelet-based Markov random field segmentation model in segmenting microarray experiments](#). *Computer Methods and Programs in Biomedicine*, 104(3), 307 (IF 7.027)
35. **Athanasiadis EI**, Cavouras DA, Glotsos DT, Georgiadis PV, Kalatzis IK, Nikiforidis GC (2009) [Segmentation of complementary DNA microarray images by wavelet-based markov random field model](#). *IEEE Transactions on Information Technology in Biomedicine*, 13(6), 1068 (IF 2.493)
36. **Athanasiadis EI**, Cavouras DA, Spyridonos PP, Glotsos DT, Kalatzis IK, Nikiforidis GC (2009) [Complementary DNA microarray image processing based on the fuzzy gaussian mixture model](#). *IEEE Transactions on Information Technology in Biomedicine*, 13(4), 419 (IF 2.493)
37. Georgiadis P, Cavouras D, Kalatzis I, Glotsos D, **Athanasiadis E**, Kostopoulos S, Sifaki K, Malamas M, Nikiforidis G, Solomou E (2009) [Enhancing the discrimination accuracy between metastases, gliomas and meningiomas on brain MRI by volumetric textural features and ensemble pattern recognition methods](#). *Magnetic Resonance Imaging*, 27(1), 120 (IF 2.546)
38. Kagadis GC, Spyridonos P, Karnabatidis D, Diamantopoulos A, **Athanasiadis E**, Daskalakis A, Katsanos K, Cavouras D, Mihailidis D, Siablis D, Nikiforidis GC (2008) [Computerized analysis of digital subtraction angiography: A tool for quantitative in-vivo vascular imaging](#). *Journal of Digital Imaging*, 21(4), 433 (IF 4.056)
39. Glotsos D, Kalatzis I, Spyridonos P, Kostopoulos S, Daskalakis A, **Athanasiadis E**, Ravazoula P, Nikiforidis G, Cavouras D (2008) [Improving accuracy in astrocytomas grading by integrating a robust least squares mapping driven support vector machine classifier into a two level grade classification scheme](#). *Computer Methods and Programs in Biomedicine*, 90(3), 251 (IF 7.027)
40. **Athanasiadis E**, Cavouras D, Spyridonos P, Kalatzis I, Nikiforidis G (2007) [An automatic microarray image gridding technique based on continuous wavelet transform](#). *Lecture Notes in Computer Science*, 4673 LNCS, 864 (IF 1.363)

11. Peer Review Journal Publications (Abstracts)

1. Galanakis V, Gribben Ch, Calderwood A, Moutsopoulos I, Kania K, **Athanasiadis E**, Allison M, Mohorianu I, Vallier L (2022) [Chronic injury induces plasticity between cholangiocytes and hepatocytes in the human liver](#). *Journal of Hepatology*, 77(S742) (IF 30.080)
2. Benetos G, Toutouzas K, Koutagiar I, Skoumas I, Pianou N, Georgakopoulos A, Galanakis S, Antonopoulos A, Oikonomou E, Kafouris P, **Athanasiadis E**, Metaxas M, Spyrou G, Pallantz Z, Aggeli C, Antoniadis C, Keramida G, Peters A, Tousoulis D (2018) [Relationship of arterial inflammation with insulin resistance in familial dyslipidemias](#). *Journal of the American College of Cardiology*, 71(11S), A1687 (IF 24.090)
3. Benetos G, Toutouzas K, Koutagiar I, Skoumas I, Pianou N, Galanakis S, Georgakopoulos A, Antonopoulos A, Drakopoulou M, Oikonomou E, Kafouris P, **Athanasiadis E**, Metaxas M, Spyrou G, Pallantz Z, Aggeli C, Antoniadis C, Keramida G, Peters A, Anagnostopoulos C, Tousoulis D (2018) [Familial combined hyperlipidemia is characterized by higher hepatic fdg uptake and visceral adipose tissue volume compared to heterozygous familial hypercholesterolaemia](#). *Journal of the American College of Cardiology*, 71(11S), A1893 (IF: 24.090)
4. Oikonomou E, Antonopoulos A, Brili S, Cutajar I, Pianou N, Spyrou G, **Athanasiadis E**, Georgakopoulos A, Kafouris P, Siasos G, Anagnostopoulos C, Tousoulis D (2018) [Increased aortic wall inflammation in adult patients after successful coarctation repair detected 18f-fdg PET/CT imaging](#). *Journal of the American College of Cardiology*, 71(11S), A1467 (IF: 24.090)
5. Antonopoulos AS, Brili S, Oikonomou E, Cutajar I, Pianou N, Spyrou G, **Athanasiadis E**, Georgakopoulos A, Kafouris P, Siasos G, Anagnostopoulos C, Tousoulis D (2017) [Utility of 18F-FDG PET/CT imaging in detecting aortic wall inflammation of adult patients after successful coarctation repair](#). *European Heart Journal*, 38, P735, suppl_1 (IF 35.860)
6. Benetos G, Toutouzas K, Koutagiar I, Georgakopoulos A, Agrogiannis G, **Athanasiadis E**, Spyrou G, Siores E, Kafouris P, Patsouris E, Tousoulis D, Anagnostopoulos C (2016) [Carotid Plaque Temperatures Assessed Noninvasively by Microwave Radiometry Are Associated With Fdg-pet Uptake Values and Macrophage Infiltration by Immunohistochemistry](#). *Circulation*, A15851 (IF 39.920)
7. Brili S, Anagnostopoulos C, Oikonomou E, Pianou N, **Athanasiadis E**, Georgakopoulos A, Kafouris P, Spyrou G, Cutajar I, Nihoyannopoulos P, Cokkinos D, Tousoulis D (2016) [The role of 18 f-fluorodeoxyglucose positron emission tomography in the investigation of regional aortic inflammation in patients with successfully repaired coarctation of the aorta](#). *Journal of the American College of Cardiology*, 67(13S), 907-907 (IF: 24.090)
8. Brili S, Oikonomou E, Pianou N, Antonopoulos A, **Athanasiadis E**, Georgakopoulos A, Siasos G, Spyrou G, Kafouris P, Cutajar I, Anagnostopoulos C, Tousoulis D (2016) [The association of regional inflammation of the aorta assessed by 18f-fluorodeoxyglucose positron emission tomography with systemic inflammatory and echocardiographic indices in marfan syndrome](#). *Journal of the American College of Cardiology*, 67(13S), 2285 (IF: 24.090)
9. Koutagiar I, Toutouzas K, Benetos G, **Athanasiadis E**, Filis K, Georgakopoulos A, Spyrou G, Cokkinos D, Tousoulis D, Anagnostopoulos C (2015) [Carotid artery stenosis does not predict local inflammatory activation: Implications from new imaging modalities](#). *European Heart Journal*, 36, 83 (IF 35.860)

12. Publications in International Conferences (Full Manuscripts)

1. Gkeka P, **Athanasiadis E**, Spyrou G, Cournia Z (2012) *Enhancing the effectiveness of virtual screening by using the ChemBioServer: Application to the discovery of PI3Ka inhibitors*, **IEEE 12th International Conference on Bioinformatics and BioEngineering**, November 11-13, Larnaca, Cyprus.

2. Dimopoulos A, Lakoumentas J, Antaraki A, Frigas A, Ikonomakis E, Sampson M, Tagaris A, Liakou A, **Athanasiadis E**, Spyrou G, Ligomenides P (2012) *e-Prolipsis: A web based risk estimation platform to support and register breast cancer diagnosis in Greece*, **IEEE 12th International Conference on Bioinformatics and BioEngineering**, November 11– 13, Larnaca, Cyprus.
3. Magiati M, **Athanasiadis E**, Kostopoulos S, Cavouras D (2011) *wavelet-based de-noising for improving the segmentation accuracy of the markov random field model in microarray experiments*, **forth International Conference on Experiments/ Process/ System Modeling / Simulation / Optimization (4th IC-EpsMsO)**, July 6th – 9th, Athens, Greece.
4. **Athanasiadis E**, Cavouras D, Spyridonos P, Glotsos D, Kalatzis I, Nikiforidis G (2007) *Segmentation of microarray images using Gradient Vector Flow Active Contours Boosted by Gaussian Mixture Models*, **Second International Conference on Experiments/ Process/ System Modeling / Simulation / Optimization (2nd IC-EpsMsO)**, July 4th – 7th, Athens, Greece.
5. **Athanasiadis E**, Ninos K, Madoukas T, Kalatzis I, Dimitropoulos N, Cavouras D (2007) *Mammographic Image Enhancement using the Continuous Wavelet Transform*, **Second International Conference on Experiments/ Process/ System Modeling / Simulation / Optimization (2nd IC-EpsMsO)**, July 4th – 7th, Athens, Greece.
6. **Athanasiadis E**, Cavouras D, Spyridonos P, Glotsos D, Kalatzis I, Nikiforidis G (2006) *Segmentation of complementary DNA microarray images using the Fuzzy Gaussian Mixture Model technique*, **IEEE EMBS, The International Special Topic Conference on Information Technology in Biomedicine (ITAB 2006)**, October 26th – 28th, Ioannina, Greece.
7. **Athanasiadis E**, Daskalakis A, Spyridonos P, Glotsos D, Kalatzis I, Cavouras D, Nikiforidis G (2006) *Comparative Evaluation Of a Gaussian Mixture Models and a Seeded Region Growing Techniques For The Segmentation of Microarray Images*, **5th European Symposium on Biomedical Engineering**, University of Patras Cultural and Conference Center Patras, July 7th – 9th, Patras, Greece.
8. Daskalakis A, Argyropoulos C, Glotsos D, Kostopoulos S, **Athanasiadis E**, Cavouras D, Nikiforidis G (2006) *Wiener-Based Deconvolution Methods For Improving The Accuracy Of Spot Segmentation In Microarray Images*, **5th European Symposium on Biomedical Engineering**, University of Patras Cultural and Conference Center Patras, Patras, July 7th – 9th, Patras, Greece.
9. **Athanasiadis E**, Glotsos D, Daskalakis A, Bougioukos P, Kostopoulos S, Theocharakis P, Spyridonos P, Kalatzis I, Nikiforidis G, Cavouras D (2006) *Microarray Image Enhancement Techniques Using the Discrete Wavelet Transform*, **Second International Conference “From Scientific Computing to Computational Engineering” (2nd IC-SCCE 2006)**, July 5th – 8th, Athens, Greece.
10. **Athanasiadis E**, Spyridonos P, Daskalakis A, Glotsos D, Kostopoulos S, Kalatzis I, Cavouras D, Nikiforidis G (2006) *Segmentation Of Microarray Images Using Gaussian Mixture Models And Wavelet Based Preprocessing Filters*, **Second International Conference “From Scientific Computing to Computational Engineering” (2nd IC-SCCE 2006)**, July 5th – 8th, Athens, Greece.
11. Madoukas T, **Athanasiadis E**, Bougioukos P, Kalatzis I, Dimitropoulos N, Cavouras D (2006) *Performance Evaluation Of A-trous Wavelet-Based Filters For Enhancement Digital Mammography Images*, **Second International Conference “From Scientific Computing to Computational Engineering” (2nd IC-SCCE 2006)**, July 5th – 8th, Athens, Greece.
12. Bougioukos P, Daskalakis A, Glotsos D, **Athanasiadis E**, Dimitropoulos N, Cavouras D, Nikiforidis G (2005) *Fast Enhancement of Mammographic Images Using Wavelets and CLAHE on a Distributed Processing System*, **3rd European Medical and Biological Engineering Conference (EMBEC'05)**, November 20th – 25th, Prague, Czech Republic.
13. Kalatzis I, Piliouras N, Georgiadis P, **Athanasiadis E**, Hikimtzis C, Trapezanidis E, Ventouras E, Cavouras D (2005) *Signal and Image Processing Application Development in the Biomedical Engineering Degree Program*, **2005 IASME / WSEAS international conference on Energy, Environment, Ecosystems and Sustainable Development**, July 12th – 14th, Vouliagmeni, Athens, Greece.

14. Kefalas D, **Athanasiadis E**, Sidiropoulos K, Glotsos D, Dimitropoulos N, Cavouras D (2005) *Wavelet-based mammographic image enhancement using an operator Adaptive Non-Linear Enhancement Function*, **First International Conference on Experiments/ Process/ System Modeling / Simulation / Optimization (1st IC-EpsMsO)**, July 6th – 9th, Athens, Greece.
15. Bougioukos P, Daskalakis A, **Athanasiadis E**, Glotsos D, Dimitropoulos N, Cavouras D, Nikiforidis G (2005) *Development of adaptive histogram equalization algorithms on a distributed processing system for fast enhancement of mammographic images*, **First International Conference on Experiments / Process / System Modeling / Simulation / Optimization (1st IC-EpsMsO)**, July 6th – 9th, Athens, Greece.
16. **Athanasiadis E**, Piliouras N, Sidiropoulos K, Georgiou H, Makris C, Dimitropoulos N, Cavouras D (2004) *Mammographic image enhancement using wavelet-based processing and histogram equalization*, **First International Conference “From Scientific Computing to Computational Engineering” (1st IC-SCCE 2004)**, September 8th – 10th, Athens.
17. Sidiropoulos K, Piliouras N, **Athanasiadis E**, Georgiou H, Makris C, Dimitropoulos N, Cavouras D (2004) *Statistical Versus Wavelet-Based de-speckling techniques for Enhancing Medical Ultrasound Images*, **First International Conference “From Scientific Computing to Computational Engineering” (1st IC-SCCE 2004)**, September 8th – 10th, Athens.
18. **Athanasiadis E**, Piliouras N, Dimitropoulos N, Kalatzis I, Glotsos D, Cavouras D (2004) *Development and Diagnostic Evaluation of Wavelet-Based and Histogram Equalization Image Enhancement Filters in Mammography*, **Tenth Mediterranean Conference on Medical and Biological Engineering (MEDICON 2004)**, International Federation for Medical and Biological Engineering (IFMBE) Proceedings Vol 6, 2004 [ISSN: 1727-1983][ISBN: 88-7780-308-8], July 31st – August 5th, Island of Ischia, Naples, Italy.
19. Glotsos D, Spyridonos P, Cavouras D, Ravazoula V, **Athanasiadis E**, Kalatzis I, Dadioti P, Lekka I, Nikiforidis G (2004) *Design of an Image Analysis System for Automatically Grading Astrocytomas from Routinely Employed Biopsy Material and Staining Procedures*, **Tenth Mediterranean Conference on Medical and Biological Engineering (MEDICON 2004)**, International Federation for Medical and Biological Engineering (IFMBE) Proceedings Vol 6, 2004 [ISSN: 1727-1983][ISBN: 88-7780-308-8], July 31st – August 5th, Island of Ischia, Naples, Italy.
20. **Athanasiadis E**, Piliouras N, Sidiropoulos K, Georgiou H, Dimitropoulos N, Cavouras D (2004) *A systematic evaluation of a new wavelet-based image enhancement algorithm for digital mammography*, **Fourth European Symposium on Biomedical Engineering**, University of Patras Cultural and Conference Center Patras, June 25th – 27th, Patras, Greece.
21. Zachopoulos V, **Athanasiadis E**, Sidiropoulos K, Dimitropoulos N, Georgiou H, Cavouras D (2004) *Development And Comparative Evaluation Of Wavelet-Based Filters For Enhancing X-Ray Bone Images*, **Fourth European Symposium on Biomedical Engineering**, University of Patras Cultural and Conference Center Patras, June 25th – 27th, Patras, Greece.
22. Hikimtzis C, Sidiropoulos K, **Athanasiadis E**, Georgiou H, Dimitropoulos N, Cavouras D (2004) *Development Of A Wavelet-Assisted Edge-Detection Algorithm For Assessing The Size Of Breast Lesions On US*, **Forth European Symposium on Biomedical Engineering**, University of Patras Cultural and Conference Center Patras, June 25th – 27th, Patras, Greece.

13. Publications in International Conferences (Abstracts)

1. Galanakis V, Gribben C, Calderwood A, Moutsopoulos I, Kania K, **Athanasiadis E**, Allison M, Mohorianu I, Vallier L (2022) *Chronic liver disease induces plasticity between cholangiocytes and hepatocytes in the human liver*. **International Liver Congress**, 22–26 June 2022, London, UK.

2. Koutagiar I, Toutouzas K, Benetos G, Pianou N, Georgakopoulos A, **Athanasiadis E**, Galanakis S, Metaxas M, Spyrou G, Kafouris P, Cokkinos D, Tousoulis D, Anagnostopoulos C (2016) Morphological and functional characteristics of the carotid plaques are not correlated: insights from positron emission tomography and microwave radiometry. **European Society of Cardiology Congress (ESC) 2016**, 28 August 2016, Fiera di Roma, Rome, Italy.
3. Benetos G., Toutouzas K., Koutagiar I., Georgakopoulos A., Pianou N., Metaxas M., Agrogiannis G., **Athanasiadis E.**, Spyrou G., Filis K., Siores E., Patsouris E., Cokkinos D., Tousoulis D., Anagnostopoulos C. (2016) Increased arterial inflammation assessed by positron emission tomography is associated with higher thermal heterogeneity and macrophage infiltration in carotid plaques. **European Society of Cardiology Congress (ESC) 2016**, 28 August 2016, Fiera di Roma, Rome, Italy.
4. Brili S., Oikonomou E., Pianou N., Antonopoulos A., **Athanasiadis E.**, Georgakopoulos A., Siasos G., Spyrou G., Kafouris P., Cutajar I., Anagnostopoulos C., Tousoulis D. (2016) Regional inflammation of the aorta assessed by 18F-fluorodeoxyglucose positron emission tomography is associated with systemic inflammatory and echocardiographic indices in marfan syndrome. **European Society of Cardiology Congress**, 28 August 2016, Fiera di Roma, Rome, Italy.
5. Lykoudi A, Kolialexi A, Tounta G, Papanikolaou T, Tsokaki T, Spyrou G, Bourdakou M, **Athanasiadis E**, Mavrou A, Papantoniou N (2015) Expression profile of mirnas in human placentas from pregnancies complicated by preeclampsia. **19th International Conference on Prenatal Diagnosis and Therapy**, 12–15 July 2015, Washington, DC, USA
6. Koutagiar I, Toutouzas C, Benetos K, **Athanasiadis E**, Filis K, Georgakopoulos A, Spyrou G, Cokkinos DV, Tousoulis D, Anagnostopoulos CD (2015) *Carotid artery stenosis does not predict local inflammatory activation: Implications from new imaging modalities.* **European Society of Cardiology Congress (ESC) 2015**, 29 Aug 2015 - 02 Sep 2015 , London - United Kingdom.
7. Papadavid E, Tounta G, Spyrou G, Nikolaou V, Bourdakou M, **Athanasiadis E**, Lykoudi A, Mavrou A, Antoniou C, Kolialexi A (2014) *miRNA expression profile in tumor-stage mycosis fungoides.* **EORTC Cutaneous Lymphoma Task Force meeting**, Paris, October 2014.
8. Antonopoulou K, Chatzinasiou F, Lill C, Kypreou K, Stefanaki I, Spyrou G, **Athanasiadis E**, Sakellariou A, Ioannidis J, Bertram L, Evangelou E, Stratigos A (2013) *Field synopsis and updated meta-analysis genome wide association studies related to cutaneous melanoma.* **4th National Conference of forum of public health & social medicine**, 22-24 November, Royal Olympic Hotel, Athens, Greece. (**Prize for best poster presentation**)
9. Lagga P, **Athanasiadis E**, Lavdas E, Economou G, Cavouras D, and Kelekis D (2012) *Automated Diagnosis system of Pulmonary nodules from CT Images*, 6th National Congress of Interventional Radiology, **Conference and Cultural Center**, University of Patras, May 11th, Patras, Greece (**3rd Prize for best oral presentation**).
10. **Athanasiadis E**, Ninos K, Madoukas Th, Kagadis G, Georgiadis P, Kalatzis I, Dimitropoulos N, Cavouras D (2007) *Comparative Evaluation of Filters "à-trous" Wavelet Transform with Histogram equalization filters to improve mammography images*, **17th Interuniversity Congress of Radiology**, Conference and Cultural Center, November 9th – 19th, University of Patras, Patras, Greece.
11. Kagadis G, Spyridonos P, Karnabatidis D, Diamantopoulos A, **Athanasiadis E**, Daskalakis A, Katsanos K, Apostolopoulos S, Cavouras D, Siablis D, Nikiforidis G (2007) *DSA Computational analysis: a tool for quantitation in-vivo vascular imaging*, **17th Interuniversity Congress of Radiology**, Conference and Cultural Center, November 9th – 19th, University of Patras, Patras, Greece.
12. **Athanasiadis E**, Piliouras N, Sidiropoulos K, Makris C, Dimitropoulos N, Cavouras D (2004) *Mammographic Image Processing Based on Histogram Equalization and Wavelet-Based Techniques*, **14th Interuniversity Congress of Radiology Conference**, November 11th – 14th University of Crete, Heraklion, Greece.
13. Sidiropoulos K, Piliouras N, **Athanasiadis E**, Georgiou C, Makris C, Georgiadis P, Dimitropoulos N, Cavouras D (2004) *Comparative evaluation of Speckle filters in ultrasound imaging*, **14th Interuniversity Congress of Radiology Conference**, November 11th – 14th University of Crete, Heraklion, Greece.

14. Invited Speaker 14. Προσκεκλημένος Ομιλητής

1. **E. Athanasiadis** (2021) «*Single cell approaches*», 3rd School of Basic Immunology for clinicians, 8 – 10 November 2021, Ibis Styles Heraklion Centra, Heraklion, Crete, **GR**
2. **E. Athanasiadis** (2018) «*Haematopoiesis at single cell resolution*», Annual Retreat, Department of Haematology, School of Clinical Medicine, University of Cambridge, 18 January, 2018, Churchill College, Cambridge, **UK**
3. **E. Athanasiadis** (2017) «*Exploring the mechanisms of hematopoietic lineage progression at the single-cell level*», [2nd TrainMALTA Networking Event](#), University of Cambridge, 1 - 2 June, 2017, Churchill College, Cambridge, **UK**
4. **E. Athanasiadis** (2009) «*Bioinformatics System Management*». International Exhibition of Medical & Hospital Machinery & Equipment MEDICEXPO, Elliniko Olympic Center, 3 – 5 April, Athens, **GR**.
5. **E. Athanasiadis**, P. Georgiadis, I. Kalatzis, D. Glotsos, K. Sidiropoulos, K. Ninos, D. Cavouras: (2008) «*DANN Microarray image processing based on advanced pattern recognition techniques*», International Exhibition of Medical & Hospital Machinery & Equipment MEDICEXPO, Elliniko Olympic Center, 27 – 30 March, Athens, **GR**.

15. Organiser

12/09/2022 – 21/09/2022	21 st European Conference on Computational Biology (ECCB2022), Barcelona, 12-21 September 2022, SP , (Program Committee Reviewer – Topic: Genes) (ES)
23/03/2020	GlaxoSmithKline (GSK), Symposium Title: Single Cell Biology Day 2020, 23/03/2020, Upper Providence (USA) and Stevenage (UK)
04/12/2019 – 05/12/2019	Industry Programme workshop - Single Cell Multi-omics Analysis, European Bioinformatics Institute EMBL-EBI, Hinxton, Cambridge, UK
01/09/2003 – 05/09/2003	<i>Algorithmic Solutions To Medical And Biological Questions</i> <i>International Conference on Mathematical Modeling in Physical Sciences, Prague, CZ</i>

16. Referee

Nature Publishing Group, Cancers, Briefings in Bioinformatics, BMC Bioinformatics, Bioinformatics, PLoS ONE, Medical Physics, Computer Methods and Programs in Biomedicine, Medical & Biological Engineering & Computing, The Imaging Science Journal, Journal of Biomedical Science and Engineering, Journal of Digital Imaging

17. Editor

10/01/2023 – today Associate Editor – Medical Physics (**IF. 4.506**)

18. Member of Committees of Experts / Evaluators

09/04/2021 – today

Participation in the Register of Certified Assessors-Experts of the Hellenic Foundation for Research and Innovation (H.F.R.I) (Α.Π. 35710/09.04.2021)

31/03/2020 – today

Member of the 10x Genomics [Visium Clinical Translational Research Network](#) to Transform clinical translational research with spatial gene expression

19. Other Interests

Music: Play the Piano and Saxophone

Sports: Football and Basketball