



BIOGRAPHICAL SKETCH

NAME: Anagnostopoulos K. Athanasios

POSITION TITLE: Research Scientist B' – Associate Professor / Head of Biotechnology,
Biomedical Research Foundation of the Academy of Athens (BRFAA)
Affiliated Investigator, Oncology Unit, 3rd Dpt. of Internal Medicine, Medical School of Athens,
National and Kapodistrian University

A. Resume/Contributions to Science

Dr. Anagnostopoulos received his Bachelors from the Biology Department of the National Kapodistrian University of Athens (NKUA). He obtained his Ph.D. from the Medical School of the NKUA, on the topic of biomarker identification in amniotic fluid of pregnant women carrying fetuses with chromosomal abnormalities (e.g. trisomy 21/Down's Syndrome). Dr. Anagnostopoulos' Ph.D. thesis was the first to introduce the term "Proteomics" in Greek Academia. Dr. Anagnostopoulos was trained and mentored by Prof. M. Fountoulakis, one of the founders of Proteome Science. During his training, he studied and performed research in numerous Academic Institutions across Europe, as well as participated in joint research activities globally (e.g. Proteomics Department of West England University, Great Britain. Prof Neil Ament). His work involves identification and investigation of proteins present in any given biological material (human, non-human) as well as in foodstuff. Lately he is involved in setting-up a "proteogenomic" pipeline in BRFAA, implementing the integration of proteomic and genomic data, for in-depth investigation of human diseases and lung cancer in particular. His proteogenomic vision is directed towards implementing personalized medicine approaches to cancer patients in Greece.

B. Education/Training

National Kapodistrian University of Athens	Department of Biology (B.Sc.)
National Kapodistrian University of Athens	Medical School (Ph.D.),
University of West England, Bristol, UK	Department of Molecular Biomedicine
Pedon "Aghia Sofia" Children's Hospital	Department of Hematology and Oncology (Postdoctoral)
National Kapodistrian University of Athens	Medical school of Athens (Postdoctoral)
Biomedical Research Foundation of the Academy of Athens - Proteomics Research Unit	(Postdoctoral)

C. Positions and Employment

- Affiliated Researcher, 3rd Department of Internal Medicine, Oncology Unit, Medical School of Athens, National and Kapodistrian University (2023)
- Primary Investigator - Associate Professor, Department of Biotechnology, BRFAA (2020)
- Postdoctoral Researcher, BRFAA, (2016-2020)
- Postdoctoral Researcher, Hematology and Oncology Department, Pedon "Aghia Sofia" Children's Hospital (2012-2016)
- Postdoctoral Researcher, Athens Medical School (2009-2012)

D. Honors

Founding Member of Young Proteomic Investigators Club (YPIC), of European Proteomics Association (EUPA)- Human Proteome Organization (HUPO).
Board Member (Cashier) Hellenic Proteomics Society, 2017-present

Journal of Bioengineering (IF 6.1) Topic Editor, 2019-present

Cancers (Basel) (IF 6.7) Thematic Editor – Proteogenomics, 2023-2025

Scientific Advisor, Anticancer Research USA, 2018-2020

Member of the Committee for Fairness, Equity, Respect, Diversity and Inclusion (FERDI), BRFAA (2021-present)

Member of Federation of Hellenic Food Industries (SEVT), 2018-present

E. Contribution to BRFAA activities

- Establishment of the “Proteogenomics BRFAA platform”, a mass-spectrometry-based laboratory aiming at providing molecular-level investigation of Proteogenomics in lung cancer patients in collaboration with the Oncology Unit of the “Sotiria” Chest Hospital .
- Participation in evaluation committees during the purchase of instruments/equipment at the BRFAA (mass spectrometers, chromatographs etc).
- Collaboration with Greek Food Authority. Through my involvement in molecular-level food analysis, I developed a method for authentication of “FETA” cheese, based on the quantitative evaluation of post-translational modifications of caseins present in milk used for cheese production. This critical step has designated the “trophomics laboratory” within the Dpt of Biotechnology of BRFAA, as a reference laboratory by the Hellenic Food Authority (EFET) for international testing of food fraud with regard to “FETA” cheese.
- Organisation committee, 1st International Conference of the Hellenic Proteomics Society, Athens, 2005
- Organisation committee, 2nd International Conference of the Hellenic Proteomics Society, Chania, 2007
- Organisation committee, 3rd International Conference of the Hellenic Proteomics Society, Nauplio, Greece, 2009
- Organisation committee, 9th International Conference of Anticancer Research, Chalcidiki, 2014
- Organisation of Seminar “When Interactions Matter & New Gold Standard for Protein Characterazation, Athens, 2022
- Organization of Workshop and presentation of the [NanoEntek ADAM II-LS cell counter system by NanoEntek USA](#), Athens, 2023

F. Teaching activity

2025: Lecturer of the Masters Program “Precision Medicine and Novel Therapies”, Hellenic Open University.

2024-present: Module Head: Hematology, Bioanalytical Techniques, Cancer Biology and Therapeutics. Department of Biomedical Sciences, University of Greenwich, London, UK. [Athens Branch: New York College of Athens].

2023-present: Module Head: “Presicion Medicine: Personalised Pharmacology”. Masters Program “Development of new drugs: research, launch and access”. Medical School of Athens, National Kapodistrian University.

2021: Instructor, 1st ESN-ISN Neurochemistry School, Athens, Greece

2016-present: Lecturer of the Masters Program “Bioinformatics Technologies in Medicine and Biology” Department of Informatics, National Kapodistrian University of Athens.

2018-present: Lecturer of the Masters Program “Molecular Biology: Systemic and In Silico Approaches”, Department of Biology and Medical School of Athens, National Kapodistrian University of Athens.

2018-present: Lecturer of the Masters Program “Drug Development, from Research to Distribution”, Medical School of Athens, National Kapodistrian University of Athens.

2018: Lecturer First Trimester, Course: «Biology», Medical School, National Kapodistrian University of Athens.

2018: Lecturer) “Research in Female Reproduction” Medical School of Athens, National Kapodistrian University of Athens.

Training Record

Students

Name	Degree	Year Conferred	Current Position
Eleana Sarantidi	PhD	In progress	
Maria Louisa Petre	PhD	In progress	
Eygenia Kopana	MSc	In progress	
Nefeli Kontouli	MSc	2024	Korres SA
Olina Boulioglou	MSc	2024	Private Sector
Athina Kozei	MSc	2024	Demo SA
Christine Papadimitriou	MSc	In progress	
Artemis Korovesi	MSc	2019	Doctoral Researcher, Instituto Gulbenkin, Oerai, Portugal
Anastasovity Maria Christina	MSc	2019	Regulatory Affairs Officer, Pharmassist LTD
Polyxeni Georgiou	BSc	2021	PhD student, Biology Dpt, NKUA
Eleana Sarantidi	BSc	2021	PhD student, BRFAA
Dimakopoulos Vasilis	BSc	2020	Private sector, AI Company

G. Membership in committees and boards

- Cashier of the Hellenic Proteomic Society (HPS). 2015-present.
- Founding Member of Young Proteomic Investigators Club; YPIC, instrument of the European Proteomics Association (EUPA) and Human Proteome Organization (HUPO). 2016-present.
- Council Member of the European Protein Association (EUPA). 2006-present.
- Council Member of the Human Protein Organization (HUPO) 2006-present.
- Member of the Scientific Advisory Board of the International Institute of Anticancer Research 2018-present
- Member of the Committee for Fairness, Equity, Respect, Diversity and Inclusion (FERDI) of BRFAA. 2021-present.
- Member of Federation of Hellenic Food Industries (SEVT). 2019-present.

H. Patents

2018	Proteins of Feta cheese and their use in designating its identity. Anagnostopoulos AK, Tsangaris G, BRFAA Number IP: GR1009574
2019	Method for the control and certification of food based on mass spectrometry. Anagnostopoulos AK, Tsangaris G, BRFAA Number IP: Gr1009198

I. Chair to Meetings - Presentations

- Chair of session «Foodomics, Nutriomics». *International XIV congress of the Italian Proteomics Association (ItPA), June 25-27, 2019, Catanzaro, Italy.*
- Title of presentation: “Feta Cheese Proteins: The Identity of Greece’s National Treasure”. XIII Annual Congress of EUPA. March 24-28, 2019, Potsdam, Germany.

- Title of presentation: “Atlas at Last: The Greek Goat Cheese Protein Atlas”. 70th Conference of the Hellenic Society of Biochemistry and Molecular Biology, November 29-31 2019, Athens, Greece
- Title of presentation: “Deep Proteome Profiling of Membrane Cargo Trafficking Proteins in *Aspergillus nidulans* Under N Source Derepressing Conditions”. 71th Conference of the Hellenic Society of Biochemistry and Molecular Biology, November 26-28, 2021, Athens, Greece

J. Participation in Journal Editorial Boards

Journal of Bioengineering (Basel), Topic Editor, 2019-present
Cancers (Basel), Guest Editor 2023

K. Bibliography 2018-today

1. Giannopoulos-Dimitriou A, Saiti A, Malousi A, **Anagnostopoulos AK**, Vatsellas G, Al-Maghrabi PM, Müllertz A, Fatouros DG, Vizirianakis IS. Molecular Profiling of A549 Cell-Derived Exosomes: Proteomic, miRNA, and Interactome Analysis for Identifying Potential Key Regulators in Lung Cancer. *Cancers (Basel)*. 2024 Dec 10;16(24):4123. doi: 10.3390/cancers16244123. PMID: 39766023; PMCID: PMC11674491.
2. Petre ML, Kontouli Pertesi AN, Boulioglou OE, Sarantidi E, Korovesi AG, Kozei A, Katsafadou AI, Tsangaris GT, Trichopoulou A, **Anagnostopoulos AK**. Bioactive Peptides in Greek Goat Colostrum: Relevance to Human Metabolism. *Foods*. 2024 Dec 6;13(23):3949. doi: 10.3390/foods13233949. PMID: 39683021; PMCID: PMC11640771.
3. Vavilis T, Petre ML, Vatsellas G, Ainatzoglou A, Stamoula E, Sachinidis A, Lamprinou M, Dardalas I, Vamvakaris IN, Gkiozos I, Syrigos KN, **Anagnostopoulos AK**. Lung Cancer Proteogenomics: Shaping the Future of Clinical Investigation. *Cancers (Basel)*. 2024 Mar 21;16(6):1236. doi: 10.3390/cancers16061236. PMID: 38539567; PMCID: PMC10969084.
4. Kattan FG, Koukouraki P, **Anagnostopoulos AK**, Tsangaris GT, Doxakis E. RNA binding protein AUF1/HNRNPD regulates nuclear export, stability and translation of *SNCA* transcripts. *Open Biol*. 2023 Nov;13(11):230158. doi: 10.1098/rsob.230158. Epub 2023 Nov 22. PMID: 37989221; PMCID: PMC10688287.
5. Sarantidi E, Ainatzoglou A, Papadimitriou C, Stamoula E, Maghiorou K, Miflidi A, Trichopoulou A, Mountzouris KC, **Anagnostopoulos AK**. Egg White and Yolk Protein Atlas: New Protein Insights of a Global Landmark Food. *Foods*. 2023 Sep 18;12(18):3470. doi: 10.3390/foods12183470. PMID: 37761179; PMCID: PMC10528800.
6. Sarantidi E, Ainatzoglou A, Papadimitriou C, Stamoula E, Maghiorou K, Miflidi A, Trichopoulou A, Mountzouris KC, **Anagnostopoulos AK**. Egg White and Yolk Protein Atlas: New Protein Insights of a Global Landmark Food. *Foods*. 2023 Sep 18;12(18):3470. doi: 10.3390/foods12183470. PMID: 37761179; PMCID: PMC10528800.
7. Stamoula E, Sarantidi E, Dimakopoulos V, Ainatzoglou A, Dardalas I, Papazisis G, Kontopoulou K and **Anagnostopoulos AK**: Serum Proteome Signatures of Anti-SARS-CoV-2 Vaccinated Healthcare Workers in Greece Associated with Their Prior Infection Status. *Int J Mol Sci*, 5;23(17):10153, 2022, PMID: 36077551
8. **Anagnostopoulos AK**, Gaitanis A, Gkiozos I, Athanasiadis EI, Chatziioannou SN, Syrigos KN, Thanos D, Chatziioannou AN, Papanikolaou N. Radiomics/Radiogenomics in Lung Cancer: Basic Principles and Initial Clinical Results. *Cancers (Basel)*, 25;14(7):1657, 2022. PMID: 35406429
9. Zografos E, Proikakis SC, **Anagnostopoulos AK**, Korakiti AM, Zagouri F, Gazouli M, Tsangaris GT. High-throughput Proteomic Profiling of Male Breast Cancer Tissue. (2022) *Cancer Genomics Proteomics*. (Impact Factor: 4.069, Citations: 0)
10. Dimou S, Georgiou X, Sarantidi E, Diallinas G, **Anagnostopoulos AK**. On the Evidence Supporting That AN1127 Encodes an *Aspergillus Nidulans* Sec12 Orthologous Protein. Reply to Bravo-Plaza et al. (2021) *J. Fungi (Basel)* (Impact Factor: 5.816, Citations: 0)

11. Proiakakis SC, Bouroutzika EV, **Anagnostopoulos AK**, Tsangaris GT. Proteomic data of donkey's milk. Data Brief. (2021) (Impact Factor: 1.7, Citations: 0)
12. Dimou S, Georgiou X, Sarantidi E, Diallinas G, **Anagnostopoulos AK**. Profile of Membrane Cargo Trafficking Proteins and Transporters Expressed under N Source Derepressing Conditions in *Aspergillus nidulans*. J Fungi (Basel). (2021). (Impact Factor: 5.816, Citations: 2)
13. Giannopoulou AF, Velentzas AD, **Anagnostopoulos AK**, Agalou A, Papandreou NC, Katarachia SA, Koumoundourou DG, Konstantakou EG, Pantazopoulou VI, Delis A, Michailidi MT, Valakos D, Chatzopoulos D, Syntichaki P, Iconomidou VA, Tsitsilonis OE, Papassideri IS, Voutsinas GE, Hatzopoulos P, Thanos D, Beis D, Anastasiadou E, Tsangaris GT, Stravopodis DJ. From Proteomic Mapping to Invasion-Metastasis-Cascade Systemic Biomarkering and Targeted Drugging of Mutant BRAF-Dependent Human Cutaneous Melanomagenesis. Cancers (Basel). (2021) (Impact Factor 6.9, Citations: 0)
14. Delinasios GJ, Fragkou PC, Gkirmpa AM, Tsangaris G, Hoffman RM, **Anagnostopoulos AK**. The Experience of Greece as a Model to Contain COVID-19 Infection Spread. In Vivo. (2021) (Impact Factor: 2.15, Ciations: 0)
15. Korovesi AG, **Anagnostopoulos AK**, Pierros V, Stravopodis DJ, Tsangaris GT. Normal Mouse Brain Proteome II: Analysis of Brain Regions by High-resolution Mass Spectrometry. Cancer Genomics Proteomics. (2020) (Impact Factor: 4,069, Citations: 2)
16. Katsafadou AI, Tsangaris GT, Vasileiou NGC, Ioannidi KS, **Anagnostopoulos AK**, Billinis C, Fragkou IA, Papadopoulos E, Mavrogianni VS, Michael CK, Addis MF, Fthenakis GC. Detailed data from experimentally-induced mastitis in ewes, with the aim to evaluate cathelicidin-1 in milk. Data Brief. 2020 (Impact Factor: 1.47, Citations: 0)
17. Tsangaris GT, Anastasoviti MC, **Anagnostopoulos AK**. Proteomics of pediatric ependymomas: a review. Childs Nerv Syst. (2021) (Impact Factor 1.45, Citations: 1)
18. Velentzas AD, Katarachia SA, Sagioglou NE, Tsioka MM, **Anagnostopoulos AK**, Mpakou VE, Theotoki EI, Giannopoulou AF, Keramaris KE, Papassideri IS, Tsangaris GT, Stravopodis DJ. Proteomic mapping of Drosophila transgenic elav.L-GAL4/+ brain as a tool to illuminate neuropathology mechanisms. Sci Rep. (2020) (Impact Factor: 4.37, Citations: 1)
19. Katsafadou AI, Tsangaris GT, Vasileiou NGC, Ioannidi KS, **Anagnostopoulos AK**, Billinis C, Fragkou IA, Papadopoulos E, Mavrogianni VS, Michael CK, Addis MF, Fthenakis GC. Detection of Cathelicidin-1 in the Milk as an Early Indicator of Mastitis in Ewes. Pathogens. (2019) (Impact Factor: 3.4, Citations: 4)
20. Champeris Tsaniras S, Delinasios GJ, Petropoulos M, Panagopoulos A, **Anagnostopoulos AK**, Villiou M, Vlachakis D, Bravou V, Stathopoulos GT, Taraviras S. DNA Replication Inhibitor Geminin and Retinoic Acid Signaling Participate in Complex Interactions Associated With Pluripotency. Cancer Genomics Proteomics. (2019) (Impact Factor: 4.069, Citations: 3)
21. Tomazou M, Oulas A, **Anagnostopoulos AK**, Tsangaris GT, Spyrou GM. In Silico Identification of Antimicrobial Peptides in the Proteomes of Goat and Sheep Milk and Feta Cheese. Proteomes. (2019)
22. Katsafadou AI, Tsangaris GT, **Anagnostopoulos AK**, Billinis C, Barbagianni MS, Vasileiou NGC, Spanos SA, Mavrogianni VS, Fthenakis GC. Differential quantitative proteomics study of experimental Mannheimia haemolytica mastitis in sheep. J Proteomics. (2019)
23. Zografos E, **Anagnostopoulos AK**, Papadopoulou A, Legaki E, Zagouri F, Marinos E, Tsangaris GT, Gazouli M. Serum Proteomic Signatures of Male Breast Cancer. Cancer Genomics Proteomics. (2019)
24. Katsafadou AI, Tsangaris GT, **Anagnostopoulos AK**, Billinis C, Barbagianni MS, Vasileiou NGC, Spanos SA, Mavrogianni VS, Fthenakis GC. Proteomics data of ovine mastitis associated with *Mannheimia haemolytica*. Data Brief. (2019)
25. Velentzas AD, Velentzas PD, Katarachia SA, **Anagnostopoulos AK**, Sagioglou NE, Thanou EV, Tsioka MM, Mpakou VE, Kollia Z, Gavriil VE, Papassideri IS, Tsangaris GT, Cefalas AC, Sarantopoulou E, Stravopodis DJ. The indispensable contribution of s38 protein to ovarian-eggshell morphogenesis in Drosophila melanogaster. Sci Rep. (2018)
26. **Anagnostopoulos AK**, Tsangaris GT. Feta cheese proteins: Manifesting the identity of Greece's National Treasure. Data Brief. (2018) (Impact Factor: 1.7, Citations: 9)
27. Kosteria I, Kanaka-Gantenbein C, **Anagnostopoulos AK**, Chrousos GP, Tsangaris GT. Pediatric endocrine and metabolic diseases and proteomics. J Proteomics. (2018)

28. Tsangaris GT, **Anagnostopoulos AK**. Pediatric brain tumors: Update of proteome-based studies. J Proteomics. (2018)
29. Taraslia V, Lympieri S, Pantazopoulou V, Anagnostopoulos AK, Papassideri IS, Basdra EK, Bei M, Kontakiotis EG, Tsangaris GT, Stravopodis DJ, Anastasiadou E. A High-Resolution Proteomic Landscaping of Primary Human Dental Stem Cells: Identification of SHED- and PDLSC-Specific Biomarkers. Int J Mol Sci. (2018) (Impact Factor: 5.9, Citations: 7)
30. Konstantakou EG, Velentzas AD, **Anagnostopoulos AK**, Giannopoulou AF, Anastasiadou E, Papassideri IS, Voutsinas GE, Tsangaris GT, Stravopodis DJ. Unraveling the human protein atlas of metastatic melanoma in the course of ultraviolet radiation-derived photo-therapy. J Proteomics. 2018 (Impact Factor 4.44, Citations: 6)
31. Calciolari E, Mardas N, Dereka X, **Anagnostopoulos AK**, Tsangaris GT, Donos N. Protein expression during early stages of bone regeneration under hydrophobic and hydrophilic titanium domes. A pilot study. J Periodontal Res. (2018) (4.419, Citations: 18)
32. Tsigaridas A, **Anagnostopoulos AK**, Papadopoulou A, Ioakeim S, Vaiopoulou A, Papanikolaou IS, Viazis N, Karamanolis G, Mantzaris GJ, Tsangaris GT, Gazouli M. Identification of serum proteome signature of irritable bowel syndrome: Potential utility of the tool for early diagnosis and patient's stratification. J Proteomics. 2018 (Impact Factor 4.44, Citations: 4)
33. Tsangaris GT, **Anagnostopoulos AK**. The Pediatric Ependymoma Protein Database (PEPD). Data Brief. (2018) (Impact Factor: 1.7, Citations: 2)

Publications

Dr. Anagnostopoulos has authored and co-authored **>80 published articles** in peer reviewed journals that received **1883 citations**, **Google Scholar h-index 20**, **Scopus h-index 24**. He is the Editor of a book in the topic of proteomics and has supervised 3 Book Chapters.

A full list of publications can be found at

Pubmed: <https://pubmed.ncbi.nlm.nih.gov/?term=anagnostopoulos+ak>

Google Scholar: <https://scholar.google.com/citations?hl=el&user=ZQ4WsV0AAAAJ>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=7005821971>