

## Aristides G. Eliopoulos

### Short CV

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**Aristides Eliopoulos** is **Professor of Biology & Genetics and Head of the Department of Biology** at the National & Kapodistrian University of Athens (NKUA), School of Medicine. He performed his PhD at the National Hellenic Research Foundation of Athens in partnership with the University of Crete Medical School and his postdoctoral training in the UK and the US working on tumor viruses and signal transduction pathways in malignancy. From 2000 to 2005, Dr Eliopoulos led a research group at the University of Birmingham Institute for Cancer Studies (Birmingham, UK) supported by a prestigious MRC Career Development Award, followed by faculty appointments at the University of Crete Medical School including a Chair in Molecular and Cellular Biology in 2012. In 2017 he was elected Professor at NKUA, School of Medicine.



His research focuses on signalling pathways regulating inflammatory and oncogenic processes and their interplay with genetic events that underpin malignant, inflammatory and metabolic diseases. Practical aspects of his work include the integration of multimodal data (omics, lifestyle, diet) in artificial intelligence platforms to enable precision nutrition in a personalized manner. Professor Eliopoulos' work is reflected in >130 publications that have received >23,000 citations and *h*-index=59 (Google scholar, 27/4/2024). He has given >50 invited lectures at international conferences, universities and biotech companies and has trained several junior scientists. He has served as *ad hoc* reviewer for various scientific journals (e.g. Science, PNAS, Molecular & Cellular Biology, Blood, Carcinogenesis, Cancer Research, Oncogene, Cancer Gene Therapy, J. Immunology, Advances in Nutrition, Nutrients, etc.) and as an expert evaluator for the European Commission (FP7, Horizon, ERC, EIT), Association for International Cancer Research (UK), Wellcome Trust (UK), MRC (UK) and National Research Grant Funding Agencies of Greece, Israel, Hong-Kong, Croatia, Austria, Lithuania and Italy. He has organized and chaired 5 Summer Schools and Conferences and has been the coordinator of 3 European Commission-funded collaborative research programmes involving more than 30 research teams across Europe and Israel.

Professor Eliopoulos serves as member of the Governing Board of the *Centre of Precision Medicine* of the NKUA School of Medicine, member of the Governing Board of the *Center of Excellence in Agri-Food and Food Authenticity* of NKUA, member of the Governing Board of the *Hellenic Society of Molecular Research in Cancer* and member of the working group on Precision Medicine of the *Hellenic Society of Digital Medicine*.

In addition to an intense research portfolio, Professor Eliopoulos teaches Biology and Genetics to undergraduate medical students and has contributed to the translation of a number of biology textbooks or chapters in Greek. He also teaches various aspects of Cancer Biology and Nutrigenetics in doctoral programmes of several Universities in Greece and is the coordinator of the e-learning course "Application of Genetics in Precision Nutrition" of NKUA.

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## Representative publications:

1. Veneti Z, Fasoulaki V, Kalavros N, Vlachos IS, Delidakis C and Eliopoulos AG. Polycomb-mediated silencing of miR-8 is required for maintenance of intestinal stemness in *Drosophila melanogaster*. **Nature Comm**. Mar 2;15(1):1924.
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3. Vougioukalaki M, Georgila K, Athanasiadis EI, Eliopoulos AG. Cell adhesion tunes inflammatory TPL2 kinase signal transduction. **Cell. Mol. Life Sci.**, 2022 Feb 26;79(3):156.
4. Stouras I, Papaioannou TG, Tsioufis K, Eliopoulos AG, Sanoudou D. The Challenge and Importance of Integrating Drug-Nutrient-Genome Interactions in Personalized Cardiovascular Healthcare. **J Pers Med**. 2022 Mar 22;12(4):513.
5. Gkouskou KK, Grammatikopoulou MG, Lazou E, Sanoudou D, Goulis DG, Eliopoulos AG. Genetically-Guided Medical Nutrition Therapy in Type 2 Diabetes Mellitus and Pre-diabetes: A Series of n-of-1 Superiority Trials. **Front Nutr**. 2022 Feb 21;9:772243.
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7. Gkouskou KG, Georgiopoulos G, Vlastos I, Lazou E, Chaniotis D, Papaioannou TG, Mantzoros CS, Sanoudou D, Eliopoulos AG. CYP1A2 polymorphisms modify the association of habitual coffee consumption with appetite, macronutrient intake, and body mass index: results from an observational cohort and a cross-over randomized study. **Int J Obes (Lond)**. 2022 Jan;46(1):162-168.
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11. Gkouskou KK, Grammatikopoulou MG, Vlastos I, Sanoudou D, Eliopoulos AG. Genotype-guided dietary supplementation in precision nutrition. **Nutr Rev**. 2021 Oct 11;79(11):1225-1235.
12. Gkouskou K, Vlastos I, Karkalousos P, Chaniotis D, Sanoudou D, Eliopoulos AG. The "Virtual Digital Twins" Concept in Precision Nutrition. **Adv Nutr**. 2020 Nov 16;11(6):1405-1413.
13. Georgila K, Gounis M, Havaki S, Gorgoulis VG, Eliopoulos AG. mTORC1-dependent protein synthesis and autophagy uncouple in the regulation of Apolipoprotein A-I expression. **Metabolism**. 2020 Feb 18:154186.
14. Vyrla D, Nikolaidis G, Oakley F, Perugorria MJ, Tschlis PN, Mann DA, Eliopoulos AG. TPL2 Kinase Is a Crucial Signaling Factor and Mediator of NKT Effector Cytokine Expression in Immune-Mediated Liver Injury. **J Immunol**. 2016 May 15;196(10):4298-310.
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