

Aristides G. Eliopoulos

Short Curriculum Vitae

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 appointment at the University of Crete Medical School where he was promoted to full Professor of 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. Professor Eliopoulos' work is reflected in >130 publications that have received >19000 citations and *h*-index=57 (Google scholar, 1/5/2022). He has given more than 40 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 in doctoral programmes of NKUA, the University of Crete and the Democritus University of Thrace and is the coordinator of the e-learning course "Application of Genetics in Precision Nutrition" of NKUA.

ORCID ID: 0000-0002-6403-6761 / **ResearcherID:** R-9449-2018

Web: https://biology.med.uoa.gr/prosopiko/meli_dep/

Facebook: Εργαστήριο Βιολογίας & Γενετικής (Αριστείδης Γ. Ηλιόπουλος)

Representative Publications:

1. 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.
2. Gkouskou K, Vasilogiannakopoulou T, Andreakos E, Davanos N, Gazouli M, Sanoudou D, Eliopoulos AG. COVID-19 enters the expanding network of apolipoprotein E4-related pathologies. **Redox Biol.** 2021 May;41:101938.
3. 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.
4. Zagoura D, Trohatou O, Makridakis M, Kollia A, Kokla N, Mokou M, Psaraki A, Eliopoulos AG, Vlahou A, Roubelakis MG. Functional secretome analysis reveals Annexin-A1 as important paracrine factor derived from fetal mesenchymal stem cells in hepatic regeneration. **EBioMedicine.** 2019 Jul;45:542-552.
5. Veneti Z, Gkouskou KK, Eliopoulos AG. Polycomb Repressor Complex 2 in Genomic Instability and Cancer. **Int J Mol Sci.** 2017 Jul 30;18(8):1657.
6. Vyrla D, Nikolaidis G, Oakley F, Perugorria MJ, Tsihchlis 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.
7. Gkouskou KK, Ioannou M, Pavlopoulos GA, Georgila K, Siganou A, Nikolaidis G, Kanellis DC, Moore S, Papadakis KA, Kardassis D, Iliopoulos I, McDyer FA, Drakos E, Eliopoulos AG. Apolipoprotein A-I inhibits experimental colitis and colitis-propelled carcinogenesis. **Oncogene.** 2016 May 12;35(19):2496-505.
8. Liljenfeldt L, Gkirtzimanaki K, Vyrla D, Svensson E, Loskog AS, Eliopoulos AG. Enhanced therapeutic anti-tumor immunity induced by co-administration of 5-fluorouracil and adenovirus expressing CD40 ligand. **Cancer Immunol Immunother.** 2014 Mar;63(3):273-82.
9. Gkirtzimanaki K, Gkouskou KK, Oleksiewicz U, Nikolaidis G, Vyrla D, Lontos M, Pelekanou V, Kanellis DC, Evangelou K, Stathopoulos EN, Field JK, Tsihchlis PN, Gorgoulis V, Liloglou T, Eliopoulos AG. TPL2 kinase is a suppressor of lung carcinogenesis. **Proc Natl Acad Sci U S A.** 2013 Apr 16;110(16):E1470-9.
10. Diaconu I, Cerullo V, Hirvonen ML, Escutenaire S, Ugolini M, Pesonen SK, Bramante S, Parviainen S, Kanerva A, Loskog AS, Eliopoulos AG, Pesonen S, Hemminki A. Immune response is an important aspect of the antitumor effect produced by a CD40L-encoding oncolytic adenovirus. **Cancer Res.** 2012 May 1;72(9):2327-38.
11. Vardouli L, Lindqvist C, Vlahou K, Loskog AS, Eliopoulos AG. Adenovirus delivery of human CD40 ligand gene confers direct therapeutic effects on carcinomas. **Cancer Gene Ther.** 2009 Nov;16(11):848-60.
12. Eliopoulos AG, Wang CC, Dumitru CD, Tsihchlis PN. Tpl2 transduces CD40 and TNF signals that activate ERK and regulates IgE induction by CD40. **EMBO J.** 2003 Aug 1;22(15):3855-64.
13. Eliopoulos AG, Dumitru CD, Wang CC, Cho J, Tsihchlis PN. Induction of COX-2 by LPS in macrophages is regulated by Tpl2-dependent CREB activation signals. **EMBO J.** 2002 Sep 16;21(18):4831-40.