

Name: GIANNIS VATSELLAS

Current/Previous Positions

- 2023-now **Staff Research Scientist - Associate Professor Level.** Greek Genome Center, center of Systems Biology, Biomedical Research Foundation Academy of Athens (BRFAA).
- 2017-23 **Postdoctoral placement.** Application of Genomics technologies in understanding human disease, Greek Genome Center, Center of Systems Biology, BRFAA, PI: Prof. D. Thanos.
- 2013-17 **Postdoctoral placement.** Genetics of Cardiovascular Disease, Cell Biology lab, Center of Basic Research, BRFAA, PI: Prof Y. Capetanaki.

Education

- 2011 **PhD**, Molecular biology and genetics, Aristotle University of Thessaloniki, Department of Molecular Biology and Genetics.
- 2004 **B.Sc.** Biology, University of Crete, Department of Biology .

Selected Publications

1. Valakos D, Klagkou E, Kokkalis A, Polyzos A, Kyrilis FL, Banos A, **Vatsellas G**, Pliatska M, Ford E, Stravopodis DJ, Thanos D. Combinatorial targeting of a specific EMT/MET network by macroH2A variants safeguards mesenchymal identity. PLoS One. 2023 Jul 11;18(7):e0288005. doi: 10.1371/journal.pone.0288005. eCollection 2023.
2. Siatra P, **Vatsellas G**, Chatzianastasiou A, Balafas E, Manolakou T, Papapetropoulos A, Agapaki A, Mouchtouri ET, Ruchaya PJ, Korovesi AG, Mavroidis M, Thanos D, Beis D, Kokkinopoulos I. Return of the Tbx5; lineage-tracing reveals ventricular cardiomyocyte-like precursors in the injured adult mammalian heart. NPJ Regen Med. 2023 Mar 3;8(1):13. doi: 10.1038/s41536-023-00280-9.
3. Association of Vitamin D with severity and outcome of COVID-19: Clinical and Experimental Evidence. Renieris G, Foutadakis S, Andriopoulou T, Spanou VM, Droggiti DE, Kafousopoulos D, Gkavogianni T, Damoraki G, **Vatsellas G**, Giamarellos-Bourboulis EJ. J Innate Immun. 2023 Nov 26;16(1):1-11. doi: 10.1159/000535302
4. Koutsi MA, Pouliou M, Champezu L, **Vatsellas G**, Giannopoulou AI, Piperi C, Agelopoulos M. Typical Enhancers, Super-Enhancers, and Cancers. Cancers (Basel). 2022 Sep 8;14(18):4375. doi: 10.3390/cancers14184375.
5. Levante A, Lazzi C, **Vatsellas G**, Chatzopoulos D, Dionellis VS, Makrythanasis P, Neviani E, Folli C. Genome Sequencing of five Lacticaseibacillus Strains and Analysis of Type I and II Toxin-Antitoxin System Distribution. Microorganisms. 2021 Mar 21;9(3):648.
6. Lavigne MD, **Vatsellas G**, Polyzos A, Mantouvalou E, Sianidis G, Maraziotis I, Agelopoulos M, Thanos D. Composite macroH2A/NRF-1 Nucleosomes Suppress Noise and Generate Robustness in Gene Expression. Cell Reports. 2015 May 19;11(7):1090-101.
7. Antonaki A, Demetriades C, Polyzos A, **Vatsellas G**, Lavigne M, Banos A, Apostolou E, Mantouvalou E, Papadopolou D, Mosialos G, Thanos D. Genomic analysis reveals a novel NF-κB binding site in Alu repetitive elements. J Biol Chem. 2011 Nov 4;286(44):38768-8.

Awards/Fellowships

- 2019: "CardioNGSdiagn" ΕΡΕΥΝΑ-ΔΗΜΙΟΥΡΓΙΑ-ΚΑΙΝΟΤΟΜΙΑ action, part of the operational program "ΑΝΤΑΓΩΝΙΣΤΙΚΟΤΗΤΑ, ΕΠΙΧΕΙΡΗΜΑΤΙΚΟΤΗΤΑ και ΚΑΙΝΟΤΟΜΙΑ" of the Greek Ministry of Economics and Development.

Participation in Hellenic & International Initiatives:

- 2018-21: Hellenic Precision Medicine in Cancer Network.
- 2020-now: GREECEvsCORONA & Hellenic Network for Genomic Surveillance of SARS-CoV2 variants.
- 2019-now: Greek National Network of Precision Medicine in Cardiology and the Prevention of Sudden Death in the Young .
- 2022-now: Hellenic Precision Medicine Network Neurodegenerative Diseases.
- 2017-20: CORBEL (Coordinated Research Infrastructures Building Enduring Life-science Services)
- 2019-now: European '1+ Million Genomes' Initiative.
- 2023-now: canSERV- Providing Cutting-Edge Cancer Research Services Across Europe
- 2024-now: Genome of Europe

Expertise/Research activities & Technical skills

Genomics, transcriptomics, metagenomics, epigenomics, Molecular Biology, Molecular Diagnostics, Cancer research, Cardiovascular disease research, GWAS, single-cell genomics

