Georgios A. Pavlopoulos (CV)

Lab web address: http://pavlopouloslab.info

Research Interests and Areas of Expertise

Bioinformatics, Microbial Bioinformatics, Network Biology, Big Data Analysis, Genomics, Metagenomics, Data Science, Text Mining, Data Visualization, Graph Theory, Clustering Analysis, Data Integration, Personalized Medicine, Parallel Computing, Knowledge Representation, Personalized Medicine

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Academic profile

~100 publications (several published in *Nature, Cell, Science, NAR, Nature Biotechnology*)
Scholar: https://scholar.google.com/citations?user=3bL-H00AAAAJ&hl=en&pagesize=100

Academic Positions

2024-present: **Research Director (Bioinformatics Research Professor)**
IFBR-BSRC Alexander Fleming,
Vari (Athens), Greece
Research Area: Bioinformatics, Integrative, Genome and Network Biology

2024 - present: **Founder and Managing Director of BioInnovation Greece -** www.bioinnovation.gr

2023-2025: **Teaching Staff**
Hellenic Army Academy

2018 - 2024: **Head of Bioinformatics, Principal Researcher B' (Associate Prof. rank)**
IFBR-BSRC Alexander Fleming,
Vari (Athens), Greece
Research Area: Bioinformatics, Integrative, Genome and Network Biology

2018 - 2024: **Head of Bioinformatics, Principal Investigator**
Center of new Biotechnologies & Precision Medicine
University of Athens, Medical School, Greece
Research Area: Personalized Medicine

2015 - 2018: **Senior Bioinformatics PostDoctoral Researcher**
Lawrence Berkeley National Laboratory (LBL)
DOE Joint Genome Institute
Berkeley, CA, USA
Research Areas: Microbiome, Metagenomics

2013 - 2015: **Senior PostDoctoral Researcher**
Faculty of Medicine, Division of Basic Sciences, University of Crete,
Heraklion, Crete, Greece
Research Areas: Text Mining, Network Analysis and Microarray Data Analysis

2014 – 2015: **Elected Executive Secretary**
Hellenic Society for Computational Biology and Bioinformatics (HSCBB)

2011 - 2012: **PostDoctoral Fellow**
Faculty of Electrical Engineering, Leuven Catholic University
Kasteelpark Arenberg 10, Leuven, Flemish region, Belgium
Research Areas: Visualization of Genomic Data and Network Biology

2010: **Adjunct Lecturer**
Department of Computer Science and Biomedical Informatics,
University of Thessaly (former University of Central Greece),
Lamia, Greece.

2009: **Short-term PostDoctoral Research fellow,**
European Molecular Biology Laboratory (EMBL),
Heidelberg, Germany
Research Area: Data Integration and Visualization Techniques in Systems Biology

Education

2019-2022: MBA - Master of Business Administration with *Distinction*
joint degree between
Athens University of Economics & Business and
National Technical University of Athens

2005 –2009: Ph.D in Computational Biology and Bioinformatics
European Molecular Biology Laboratory (EMBL)
Department of Structural and Computational Biology.
Heidelberg, Baden Württemberg, Germany.
(PhD awarded jointly with the Ruprecht-Karls-Universität Heidelberg).

2004 –2005: M.Res in Bioinformatics and Computational Biology
Master of Research (MRes) with *Distinction*
University of Leeds, School of Biochemistry and Microbiology, UK.

2000 –2004: B.Sc in Computer Science
National and Kapodistrian University of Athens, Greece.
School of Informatics and Telecommunications.
Dissertation: Computational Geometry in Molecular Biology