

EMMANOUEL DIMARELLIS

COMPUTATIONAL NEUROSCIENTIST

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OBJECTIVE

To be at the crossroads where cutting-edge technologies meet Alzheimer's disease and other neurodegenerative diseases.

PROFESSIONAL EXPERIENCE

01/04/2022- 30/09/2022	Internship: Medical Laboratory Technician, AHEPA University Hospital <ul style="list-style-type: none">• Blood sampling• Quality Control• Electroencephalography• Solution Preparation• Immunohistochemistry• Microtomy• Good Laboratory Practices
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MILITARY SERVICE

15/03/2018- 15/11/2018	COMPLETED	Mandatory Service: Marine - Special Forces, Hellenic Army
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EDUCATION

01/09/2023- now	Master's: Precision Medicine: Translational Research & Therapeutics, Thessaloniki, Aristotle University of Thessaloniki <ul style="list-style-type: none">• Research Methodology - Statistics• Molecular Techniques (PCR, Electrophoresis)• RNA-seq• Machine Learning
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31/08/2018- 31/03/2023	Bachelor's: Medical Laboratories (Biosciences), Larissa, University of Thessaly <ul style="list-style-type: none">• Biochemical Analyzes (Beer-Lambert)• Blood tests - Hematology - Neubauer• Histology (Minisection & Fixation of Sections)
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Degree Grade: 8.0/10

Bachelor's Topic: Bioinformatics & Mass Spectrometry Technology & Finding the Primary Structure of a Protein from a Sample.

BOOTCAMPS

23/02/2024- 03/07/2024	WALK AUTH INNOVATION ACCELERATOR
16/04/2024- 24/05/2024	Venture Creation Labs (VCL) – iGEM STARTUPS

FOREIGN LANGUAGES

English	Level: C1 Certificate: Duolingo English Test
	Level: B2 Certificate: Equality, Diversity & Inclusion (EDI) Test
French	Level: B2

DIGITAL SKILLS

Programming	Languages <ul style="list-style-type: none">• JAVA• R• Python	Office Tools	Microsoft Office 365 <ul style="list-style-type: none">• WORD• EXCEL• POWERPOINT etc.
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DRIVING LICENSE

Private Car Driving License	License <ul style="list-style-type: none">• Category B (mobile phlebotomy)
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SCIENTIFIC WORK & PRESENTATIONS

13/02/2025	14th Panhellenic Alzheimer's Disease Conference (Thessaloniki): speech: <i>ARTIFICIAL INTELLIGENCE HIGHLIGHTS THE ROLE OF MITOCHONDRIA IN ALZHEIMER'S</i> (in English)
27/09/2024	1st Autism Advanced Research and Management Conference (AARM)(Athens): speech: <i>AUTISM & DEMENTIA: SHARED TRAITS</i> (in English, see here)
30/05/2024	35th Neurology Conference (Rhodes): e-Poster: <i>THE DIAGNOSTIC VALUE OF FRACTALS IN NEURODEGENERATIVE DISEASES</i> (in Greek)
16/05/2024	36th Statistics Conference (Kozani): presentation: <i>APPLICATIONS OF GRAPH NEURAL NETWORKS IN RESEARCH ON ALZHEIMER'S DISEASE</i> (in Greek)

14/12/2023	10th Neuroimmunology Conference (Thessaloniki): e-Poster: <i>EXAMPLES OF APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN ALZHEIMER'S DISEASE</i> (in Greek and English, see here)
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Upcoming

11/04/2025	31st Scientific Conference of Greek Medical Students (ESFIE) (Thessaloniki): speech: <i>ARTIFICIAL INTELLIGENCE AND THE MICROBIOME IN ALZHEIMER'S: A BIBLIOMETRIC ANALYSIS</i>
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16/05/2025	16th Hellenic Bioinformatics Conference - HBio-16* (Thessaloniki): speech: <i>(brainstorming in progress)</i>
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29/05/2025	36th Panhellenic Congress of Neurology* (Thessaloniki): speech: <i>(brainstorming in progress)</i>
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27/07/2025	Alzheimer's Association International Conference 2025* (Canada): speech: <i>(brainstorming in progress)</i>
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27/09/2025	International Conference on Autism Advanced Research and Management – AARM 2025 (Athens): speech: <i>AUTISM & DEMENTIA: GENETIC SIMILARITY</i>
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SCIENTIFIC WORK & PUBLICATIONS

01/02/2025	Book: Empowering Innovations in Advanced Autism Research and Management Chapter: <i>Autism and Dementia: Shared Traits</i> (see here)
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Upcoming

in 2024-2025	Journal: Ageing Research Reviews* (CiteScore 19.8; Impact Factor 12.5, as of 2024) Systematic Review: <i>Artificial intelligence for investigating the role of mitochondria in Alzheimer's Disease</i>
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5 BOOKS I HAVE READ

Books	<ul style="list-style-type: none">• VENTURE DEALS (4TH ED.): BE SMARTER THAN YOUR LAWYER AND VENTURE CAPITALIST - BRAD FELD, JASON MENDELSON• NETWORKING WITH MILLIONAIRES... AND THEIR ADVISORS – THOMAS J. STANLEY• BE OBSESSED OR BE AVERAGE, GRANT CARDONE• BIOTECHNOLOGY ENTREPRENEURSHIP: STARTING, MANAGING, AND LEADING BIOTECH COMPANIES – CRAIG SHIMASAKI• BIOPATENT LAW: EUROPEAN VS. US PATENT LAW – ULRICH STORZ, MARTIN QUODBACH, SCOTT D. MARTY, DEREK E. CONSTANTINE, MATTHEW PARKER
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INITIATIVE AND ACTIVITY

We undertook the development of a campaign to raise awareness among citizens regarding Alzheimer's disease and other neurological diseases, in collaboration with Mrs. Tsolaki Magdalini (Neurologist-Psychiatrist, Theologian, Emeritus Professor of the Aristotle University of Thessaloniki, president of the Panhellenic Alzheimer's Disease Federation).

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