

Kanoura Amalia

Biochemist

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EDUCATION

- 1/2021-present **PHD THESIS ELABORATION** | Laboratory of Biochemistry, Department of Medicine, University of Thessaly
- Research interests: (i) investigation of the molecular mechanisms induced under hypoxia and the role of transcription factors, mainly HIF-1 and TFAP2A, (ii) the role of sumoylation of proteins in cellular response to hypoxia
 - PhD fellowship from the Hellenic Foundation for Research and Innovation (H.F.R.I.) under the “First Call for H.F.R.I. Research Projects to support Faculty members and Researchers and the procurement of high-cost research equipment grants.”
 - Poster award at the 9th Young meeting of HSBMB with title “The role of transcription factor TFAP2A in the hypoxic transcriptional control.”
 - July 2022: Fellowship from FEBS society for poster communication at 46th FEBS Conference “The Biochemistry Global Summit Lisbon”
- 10/2019-10/2020 **MSC EDUCATION INSTITUTION** | Laboratory of Biochemistry, Department of Medicine, University of Thessaly
Master in Clinical Applications of Molecular Medicine, diploma degree 9,8/10
- Thesis under the supervision of Georgia Chachami, Assistant Professor of Cellular Biochemistry, at the Laboratory of Biochemistry (Department of Medicine), with project title “Cloning, expression and characterization of the recombinant sumoylated form of transcription factor TFAP2A, under hypoxia”
- 9/2014-2/2019 **UNDERGRADUATE INSTITUTION** | Department of Biochemistry and Biotechnology, University of Thessaly
Bachelor in Biochemistry and Biotechnology, diploma degree 8,26/10
- Thesis under the supervision of Nikolaos Balatsos, Assistant Professor of Biochemistry, at the Laboratory of Structural and Functional Biochemistry, with project title “Search of microRNAs and deadenylase with periodic expression in mammalian cells”
 - Traineeship at Theagenio Anticancer Hospital of Thessaloniki in the laboratories of Biochemistry, Microbiology, Immunology, Hematology, Molecular Biology and Nuclear Medicine

COURSES

- May-June 2023: Training Program “Introduction to Python Programming” at Hellenic Open University
- June 2021: 12th International Summer School on Computational Mass Spectrometry-Based Proteomics

ORAL COMMUNICATION IN INTERNATIONAL CONFERENCES

- Deciphering the role of TFAP2A in the hypoxic transcriptional control, Amalia Kanoura, Antonis Giakountis, Angeliki Karagiota, Chrysa Filippopoulou, George Stamatakis, Martina Samiotaki, George Panayiotou, George Simos and Georgia Chachami, 73rd Panhellenic Conference of the Hellenic Society of Biochemistry and Molecular Biology, Athens 2023
- The role of transcription factor TFAP2A in the hypoxic transcriptional control, Amalia Kanoura, Antonis Giakountis, Chrysa Filippopoulou, George Stamatakis, Martina Samiotaki, George Panayiotou, George Simos and Georgia Chachami, 72nd Panhellenic Conference of the Hellenic Society of Biochemistry and Molecular Biology and 9th Young meeting, Patra 2022
- The role of TFAP2A and its sumoylation in transcriptional regulation during cellular response to hypoxia, Amalia Kanoura, Antonis Giakountis, Chrysa Filippopoulou, George Stamatakis, Martina Samiotaki, George Panayiotou, George Simos and Georgia Chachami, 1st Hippocrates conference September 2022 Larissa
- The role of TFAP2A and its sumoylation in the transcriptional response to hypoxia, Amalia Kanoura, Antonis Giakountis, Chrysa Filippopoulou, George Stamatakis, Martina Samiotaki, George Panayiotou, George Simos and Georgia Chachami, 46th FEBS The Biochemistry Global Summit Lisbon

- Cooperation of sumoylation with hypoxia for transcriptional regulation: The role of TFAP2A, Amalia Kanoura, Antonis Giakountis, Chrysa Filippopoulou, George Stamatakis, Martina Samiotaki, George Panayiotou, George Simos and Georgia Chachami, 71st Panhellenic Conference of the Hellenic Society of Biochemistry and Molecular Biology, Athens 2021
- Interplay between hypoxia and sumoylation in transcriptional regulation: The role of TFAP2A, **Amalia Kanoura**, Antonis Giakountis, Chrysa Filippopoulou, George Stamatakis, Martina Samiotaki, George Panayiotou, George Simos and Georgia Chachami, 7th International Conference on Tumor Microenvironment and Cellular Stress: Signaling, Metabolism, Imaging and Therapeutic Targets, Kos September 2021
- The metabolic enzyme pyruvate dehydrogenase phosphatase 1 (PDP1) is a positive regulator of HIF activity during the hypoxic response, Angeliki Karagiota, **Amalia Kanoura**, George Simos, Efrosyni Paraskeva, and Georgia Chachami, 7th International Conference on Tumor Microenvironment and Cellular Stress: Signaling, Metabolism, Imaging and Therapeutic Targets, Kos September 2021
- Poly(A)-specific ribonuclease in circadian gene expression, Rafailia A.A. Beta, Zoi Arsenopoulou, Dimitrios Dalkidis, **Amalia Kanoura**, Dimitris Kletsas, Nikolaos A.A. Balatsos, RNA 2020 online meeting

PUBLICATIONS

- Angeliki Karagiota, **Amalia Kanoura**, Efrosyni Paraskeva, George Simos, Georgia Chachami (2022), Pyruvate dehydrogenase phosphatase 1 (PDP1) stimulates HIF activity by supporting histone acetylation under hypoxia. *The FEBS Journal* 290, 2165-2179
- Beta RAA, Arsenopoulou ZV, **Kanoura A**, Dalkidis D, Avraamidou R, Balatsos NAA. Core clock regulators in dexamethasone-treated HEK 293T cells at 4 h intervals. *BMC Research Notes*. 2022 Jan;15(1):23. DOI: 10.1186/s13104-021-05871-7. PMID: 35090555; PMCID: PMC8796574.

OTHER ACADEMIC ACTIVITIES

- Member of the Proteocure COST Action (start of action 07/10/2021)
- Member of the Hellenic Society of Biochemistry and Molecular Biology (HSBMB), a FEBS constituent society
- Participation in Symposium Women positively organized by Greek Women in STEM, R.E.A.L. Science, Lean in Greece Women in Tech & Greek Girls Code

SKILLS

- Languages: Greek | Native
English | Advanced
- Software: Microsoft Word/Excel/PowerPoint | Advanced
Adobe Suite | Intermediate
Linux | Elementary
- Programming Languages: Python | Elementary
R | Elementary
- Driving License category B

OTHER SKILLS: Organizational skills, Teamwork, Adaptability, Time management, Mentorship

ACTIVITIES / INTERESTS

- Dancing: Other than a social activity dancing can provide you with collaboration skills and boost your self confidence
- Reading: Helps both in personal growth and stress relief