

Georgios (George) Chatzakis

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EDUCATION

Medical School, University of Crete Graduate program "Molecular Basis of Human Diseases" Current Grade: 9.03/10	Sep 2024 - present
Department of Biology, School of Sciences, University of Crete BSc in Biology Final Grade: 7.26/10	Sep 2018 - Jul 2023
4th General High School of Heraklion Final Grade: 18.3/20	Sep 2014 - Jul 2017

PROFESSIONAL EXPERIENCE

Master Thesis Laboratory of Genome (In)stability and Mammalian Physiology, IMBB-FORTH <i>Supervising Professor: Prof. G. Garinis</i>	Oct 2025 - present
Lab rotation Laboratory of Genome (In)stability and Mammalian Physiology, IMBB-FORTH <i>Supervising Professor: Prof. G. Garinis</i>	Jul 2025 - Sep 2025
Lab rotation Laboratory of Rheumatology, Inflammation and Autoimmunity, Department of Medicine, University of Crete (UoC) <i>Supervising Professor: Prof. P. Sidiropoulos</i>	May 2025 - Jul 2025
Erasmus Research Intern Laboratory of Rare Circulating Human Cells (LCCRH), Centre Hospitalier Universitaire de Montpellier <i>Supervising Professor: Prof. K. Alix-Panabieres</i>	Oct 2023 - Mar 2024
Bachelor Thesis Laboratory of Pharmacology, Department of Medicine - Democritus University of Thrace (DUTH) & IMBB - FORTH <i>Supervising Professor: Prof. E. Chatzaki</i>	Oct 2022 - Jul 2023
Internship trainee Laboratory of Pharmacology, Department of Medicine - Democritus University of Thrace (DUTH) & IMBB-FORTH <i>Supervising Professor: Prof. E. Chatzaki</i>	Jun 2022 - Aug 2022
Laboratory rotation Laboratory of RNA and Gene Regulation, IMBB-FORTH <i>Supervising Professor: Prof. E. Ntini</i>	Jun 2022 - Aug 2022

LABORATORY TECHNIQUES

Molecular: DNA (CcfDNA, ctDNA), RNA extraction • Gel electrophoresis • Cell culture • Cell fractionation
Immunological: FACS • ELISA • Western blot • Confocal microscopy • ChIP Protein Immunoprecipitation • DNA-RNA Immunoprecipitation (DRIP) • RNA Immunoprecipitation (RIP) • Chromatin Isolation by RNA Purification (ChIRP)
Biochemical: Bradford assay • Silver staining
Animal Handling: Intraperitoneal injections • Gavage • Tissue isolation • BMDMs isolation

PERSONAL TRAITS

Decision-making • Critical thinking • Organizational and planning skills • Flexibility • Interdisciplinary work • Teamwork-oriented • High Responsibility • Motivated • Reliability and punctuality

PAPERS

*Kalliopi Stratigi, Athanasios Siametis, **George Chatzakis**, Ourania Chatzidoukaki, Electra Tsaglioti, Björn Schumacher, George A. Garinis*

“A reversible RNA G-quadruplex switch couples stress to inflammatory competence”

Status: Submitted (April 2026)

Magazine: NCB

POSTER PRESENTATIONS

K. Stratigi¹, A. Siametis, G. Chatzakis, G. A. Garinis

“TERRA rewired: From nuclear retention to cytoplasmic fate”

"4th International Symposium on Homologous Recombination Deficiency in Cancer: Bridging DNA Repair Ageing and Immunology", Athens, Greece, 2026

*Maria Christina Cheimonidi, Maria Panagopoulou, **George Chatzakis**, Konstantina Tzitzikou, Eviita Apalaki, Nikoletta Kessari, Grigoris Kyriazis, Makrina Karaglani, Ekaterina Chatzaki*

“In vitro biological effects of breast cancer circulating cell free DNA on normal breast cells”

13th International Symposium on Minimal Cancer, Hamburg, Germany, 2023.

SCHOLARSHIPS

Research scholarship

Dec 2025 - Oct 2026

ERA Chair Program to Advance Inflammation Research (InflaCare), funded by the European Commission's Horizon Europe program, IMBB-FORTH, Greece.

Erasmus⁺ internship scholarship

Oct 2023 - Mar 2024

Erasmus⁺ program funding for international research internship at Laboratoire Cellules Circulantes Rares Humaines (LCCRH) laboratory at Centre Hospitalier Universitaire (CHU) de Montpellier, France.

SKILLS

Programming and computer skills:

ZEN 2.6 • ImageJ • Microsoft PowerPoint • Microsoft Word • Microsoft Excel • GraphPad Prism8 • Kaluza • Python • R

Languages:

English (fluent), German (beginner), Greek (native)