

PERSONAL INFORMATION	
SURNAME:	GEORGOUTSOU -SPYRIDONOS
NAME	MARIA
DATE OF BIRTH	04/06/1987
PLACE OF RESIDENCE	VOSPOROU 39 NEA SMYRNI, ATHENS
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CURRENT POSITION

9.2021 - 02.2022 **Position: Secondary School Biology and Chemistry Teacher**, GELykeio Asklipiou and 1st EPALykeio Nafpliou, Argolis, Greece

PREVIOUS POSITIONS

12.2019 - 08.2021 **Position: Postdoctoral Researcher/ Project: Rapid, Timely Diagnosis and Monitoring of microbial Diseases by means of an automated, Point-of-care system- DIAMOND / Team: Microfluidics, Lab- & Organ-on-a-Chip/ PI of the project: Dr. Angeliki Tserepi (Director of Research)**, INN, NCSR "Demokritos", Greece

01.2018 - 08.2018 **Position: Postdoctoral Researcher/ Project: KRIPISII / Team Molecular Immunology/ PI of the project: Dr. Dimitrios C. Mastellos (Director of Research)**, INRASTES, NCSR "Demokritos" (NCSR-D), Greece

01.2014 - 12.2017 **Position: PhD Candidate/ Thesis Title: "Design and development of novel therapeutic agent against immune evasion molecules of Staphylococcus aureus for the treatment of bacterial infections"/ Team Molecular Immunology/ PI of the project: Dr. Dimitrios C. Mastellos (Director of Research)**, INRASTES, NCSR "Demokritos" (NCSR-D), Greece

09.2012-12.2013 **Position: Master Student/ Thesis Title: Design and comprehensive evaluation of human antibodies against complement evasion protein Efb of Staphylococcus aureus. Team Molecular Immunology/ PI of the project: Dr. Dimitrios C. Mastellos (Director of Research)**, INRASTES, NCSR "Demokritos" Greece

09.2009-0.9.20011 **Position: Undergraduate Student/ Thesis Title: Investigation of the possible association between CYP19A1 gene SNP rs10046 polymorphism and the coronary heart disease in Greek population. /PI of the project: Kleoniki Lamnisou - Associate Professor of Human Molecular Genetics**, Section of Genetics and Biotechnology, Faculty of Biology, National and Kapodistrian University of Athen, Greeces

EDUCATION

01.2014 - 12.2017 Faculty of Biology/Department of Animal & Human Physiology, National and Kapodistrian University of Athens/Greece, Thesis title: **Design and development of novel therapeutic agent against immune evasion molecules of Staphylococcus aureus for treatment of bacterial infections**, Doctor of Philosophy (Ph.D.) in **Molecular Immunology**

10.2011 - 12.2013 Faculty of Biology and Department of Medicine/Department of Animal & Human Physiology, National and Kapodistrian University of Athens/Greece, Thesis title: **Design and comprehensive evaluation of human antibodies against complement evasion protein Efb of Staphylococcus aureus.**, Master of Science (M.Sc.) - Program: **"Applied Biology in Medicine**

09.2015-0.9.2011 Faculty of Biology/Department of Genetics and Biotechnology, National and Kapodistrian University of Athens/Greece, Thesis title: **"Investigation of the possible association between CYP19A1 gene SNP rs10046 polymorphism and the coronary heart disease in Greek population.**, Bachelor of Science (B.Sc.) in **Biology**

PUBLICATIONS

- **Isothermal Recombinase Polymerase Amplification (RPA) of *E. coli* gDNA in Commercially Fabricated PCB-Based Microfluidic Platforms**, Maria Georgoutsou-Spyridonos, Myrto Filippidou, Georgia D Kaprou, Dimitrios C Mastellos, Stavros Chatzandroulis, Angeliki Tserepi, Micromachines (Basel) (2021)12;12(11):1387. doi: 10.3390/mi12111387.
- **Attenuation of *Staphylococcus aureus* -Induced Bacteremia by Human Mini-Antibodies Targeting the Complement Inhibitory Protein Efb**. Georgoutsou-Spyridonos M, Ricklin D, Pratsinis H, Perivolioti E, Pirmettis I, Garcia BL, Geisbrecht BV, Foukas PG, Lambris JD, Mastellos DC, Sfyroera G, J Immunol 195, 3946-3958, Journal of Immunology 195: 3946-58, (2015), <https://doi.org/10.4049/jimmunol.1500966>
- **Genetic variant in the CYP19 gene and recurrent spontaneous abortions**, Koutsothanassis, C., Agiannitopoulos, K., Georgoutsou, M., Bampali, K., Hatzaki, A., and Lamnissou, K., Gene Reports 6, 41-43, (2017), <https://doi.org/10.1016/j.genrep.2016.11.008>

CONFERENCES/WORKSHOPS/etc.

- M.K. Filippidou, M. Georgoutsou-Spyridonos, S. Douskas, A. Nikolakakis, P. Petrou, D. Mastellos, S. Chatzandroulis A. Tserepi ‘**A point-of-care platform for rapid detection of urinary tract infections**’, 1st Nanotechnology Webinar “Nanotechnology & Microdevices for the diagnosis and treatment of infectious diseases with emphasis on COVID-19: Novel products and high TRL prototypes in Greece, **2020**
- E. Gavriilaki, I. Sakellari, I. Batsis, D. Mallouri, A. Vardi, A. Chrysanthopoulou, Z. Bousiou, M. Iskas, T. Touloumend, A. Papalexandri, M. Georgoutsou-Spyridonos, D. Mastellos, K. Ritis, I. Mitroulis, A. Anagnostopoulos ‘**Crosstalk between complement and neutrophil activation in transplant-associated thrombotic microangiopathy**’, European Society for EBMT 45th Annual Meeting, Frankfurt, Germany, **2018**
- S. Tzelefa, A. Stavridou, I. Kostopoulos, M. Georgoutsou-Spyridonos, G. Terzoudi, G. Sfyroera, O. Tsitsilonis, J. D. Lambris and D. C. Mastellos ‘**Radiation-enhanced complement activation and downstream C5a-C5aR1 signaling modulate tumorigenic responses of glioblastoma cells**’ 4th Symposium on Advances in Cancer Immunology and Immunotherapy, Hellenic Society of Immunoncology, Athens, **2018**
- M. Georgoutsou-Spyridonos, D. Ricklin, B. L. Garcia, A. Padma, P. G. Foukas, D. Neri, B. V. Geisbrecht, G. Sfyroera, J. D. Lambris, D. C. Mastellos ‘**Exploiting complement evasion for the development of novel therapeutic leads for the treatment of blood-borne bacterial infections**’ 2nd International Conference on Immune Responses to Biosurfaces: Mechanisms and Therapeutic Interventions, Rhodes, Greece, **2016**
- M. Georgoutsou-Spyridonos, D. Ricklin, H. Pratsinis, E. Perivolioti, I. Pirmettis, B. L. Garcia, B. V. Geisbrecht, P. G. Foukas, J. D. Lambris, D. C. Mastellos and G. Sfyroera ‘**Towards novel antimicrobial therapeutics: Efb targeting mini-antibodies attenuate *S. aureus* survival in models of bacterial inflammation**’, 8th International Conference on Complement Therapeutics, Aegean Conferences, Chania, Greece, **2015**
- M. Georgoutsou-Spyridonos, D. Ricklin, H. Pratsinis, E. Perivolioti, P. G. Foukas, J. D. Lambris, D. C. Mastellos, G. Sfyroera, ‘**Attenuation of *S. aureus* induced bacteremia by neutralizing mini antibodies targeting the complement evasion protein Efb**’, 16th International Symposium on Staphylococci and Staphylococcal Infections, Chicago ISSSI14, USA, **2014**.
- M. Georgoutsou-Spyridonos, D. Ricklin, H. Pratsinis, A. Anastasios, S. Chantztiara, E. Perivolioti, J. D. Lambris, D. C. Mastellos, G. Sfyroera ‘**Design and comprehensive evaluation of human antibodies against complement evasion protein Efb of *Staphylococcus aureus*.**’, 9th Hellenic Conference, Hellenic Society of Immunology, Athens, Greece, **2013**.
- M. Georgoutsou-Spyridonos, D. Ricklin, H. Pratsinis, A. Anastasios, S. Chantztiara, E. Perivolioti, J. D. Lambris, D. C. Mastellos, G. Sfyroera ‘**Design and comprehensive evaluation of human antibodies against complement evasion proteins of *Staphylococcus aureus*.**’, 35th Hellenic Conference, Hellenic Society of Biological Sciences, Nauplio, Greece, **2013**.
- K. Agiannitopoulos, A. Kyparissi, A. Mpakalgianni, M. Georgoutsou-Spyridonos, A. Manginas, S. Papamenzelopoulos, K. Lamnissou, ‘**Genetic polymorphisms in CYP17 and AR genes and the risk of premature coronary artery disease**’, European Human Genetics Conference, Amsterdam RAI, The Netherlands, **2011**.

AWARDS AND SCIENTIFIC ACHIEVEMENTS

- 2015** The article entitled '*Attenuation of S. aureus-induced bacteremia by human mini-antibodies targeting the complement inhibitory protein Efb*' was ranked among the **top 10%** of all featured articles and was highlighted in the '*In this issue*' section of the *Journal of Immunology (J Immunol.* 2015, 195(8):3946-58).
- 2013** Honorary Distinction-Poster Award '*Design and comprehensive evaluation of human antibodies against complement evasion protein Efb of Staphylococcus aureus.*', 9th Hellenic Conference, Hellenic Society of Immunology, Nafplio, Greece

RESEARCH GRANTS			
Project Title	Funding source	Period	Role of the PI
Rapid, Timely Diagnosis and Monitoring of microbial Diseases by means of an automated, Point-of-care system- DIAMOND	NSRF 2014-2020/RESEARCH – CREATE – INNOVATE	2019-2021	Postdoctoral Researcher-Team Member
Development of the research activities of the Institute of Nuclear and Radiological Sciences and Technology, Energy and Safety in the framework of the national research and technology strategy for smart specialization- KRIPISII	" NSRF 2014-2020 "Competitiveness, Entrepreneurship and Innovation"	2018	Postdoctoral Researcher-Team Member
OSPEE-Integrated Planning for Environmental and Energy Applications "(E-1815)" - KRIPIS	NSRF 2007-2013	2014-2015	PhD Candidate-Team Member
Exploiting innate immune evasion strategies of <i>S. aureus</i> for the design of novel antibody-based therapeutic agents for the treatment of bacteremia- CompStaph	FP7-PEOPLE-2010-RG Marie Curie International Reintegration Grant	2013-2014	Graduate Student (Master Thesis)

LANGUAGES AND SKILLS

- English** Certificate of Proficiency in English ((Michigan University) (C2))
- French** Certificat pratique de langue Francaise Sorbonne C1 (Universite Paris-Sorbonne) (C1))
- Computer Skills** ECDL PROFILE CERTIFICATE (Online Essentials, Word Processing, Spreadsheets (Excel), MS-POWER POINT, GraphPad Prism 5.0, EndNote, BLAST, Canva