



Short Curriculum Vitae: Marianthi Georgitsi, PhD

Current Position Assistant Professor of “Genetics and Molecular Basis of Diseases” at the Department of Molecular Biology and Genetics (DMBG)

Undergraduate Education

- **2004:** *Degree of Biology*, Department of Biology, School of Natural Sciences, Aristotle University of Thessaloniki (AUTH), Thessaloniki, **Greece**
- **2002-2003:** *ERASMUS program*, Department of Medical Biosciences, Umeå University, Umeå, **Sweden**

Post-graduate Education

- **2013-2014:** *Post-doctoral research*, DMBG, Alexandroupoli, **Greece**
- **2010-2013:** *Post-doctoral research*, Laboratory of Molecular Biology and Immunology, Department of Pharmacy, University of Patras, Patras, **Greece**
- **2009:** *Post-doctoral research*, Department of Cell Biology, Erasmus Medical Center, Rotterdam, **The Netherlands**
- **2008:** *Doctoral diploma (PhD) in Medical Genetics*, Department of Medical Genetics, School of Medicine, Helsinki University, Helsinki, **Finland**
- **2005:** *Post-graduate training in Molecular Medicine and Immunology* – From basic research to clinical applications, Department of Medicine, Democritus University of Thrace, Alexandroupoli, **Greece**

Areas of Interest

- **Genetic and molecular basis** of human genetic diseases (familial cancer syndromes, hemoglobinopathies, neurodegenerative diseases)
- **Genome-wide association studies** and genetic architecture of the human genome – Genetic epidemiology (in complex diseases)
- **Human genome variation** as a determining component of complex diseases (neurodevelopmental, metabolic, autoimmune)

SCHOLARSHIPS

- **2013-2015:** **State Scholarships Foundation (IKY)** – Excellence Scholarship for post-doctoral research in **Greece** (SIEMENS Program 2013-2015)
- **2010-2011:** **State Scholarships Foundation (IKY)** – Scholarship for post-doctoral research in **Greece** (category 013.010 – Biology)
- **2009:** **Erasmus Medical Center**, Stem Cells in Development and Disease program – Rotterdam, **The Netherlands**: Short-term research scholarship (post-doctoral)
- **2009:** **European Molecular Biology Organization (EMBO)**: Short-term research scholarship (post-doctoral level), Rotterdam, **The Netherlands**
- **2005-2008:** Eight (8) research grants from Public Benefit Foundations and Research Institutes in Finland (doctoral level)
- **2007-2008** and **2008-2009:** **Alexander S. Onassis Public Benefit Foundation**
- **2005-2006** and **2006-2007:** **A. Bodossakis Public Benefit Foundation**

Distinctions and Bibliometric data

PRIZES

- **2012:** **L’OREAL-UNESCO Prize “For Women in Science”** - Hellenic National UNESCO Committee
- **2010:** **Gardiki-Kouidou prize for post-doctoral scientists** - Hellenic Society for Biochemistry and Molecular Biology

BIBLIOMETRIC DATA

- Scopus (accessed on 11.12.2024): 54 articles (2006-2024) // 2.798 citations, 2.721 excluding self-citations, *h-index* 23
- 54 publications in peer-reviewed international journals
- Referee in 10 international scientific journals and in one call for research funding [UK, Medical Research Council (September 2020) - grant reference MR/V013513/1]

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- Supervisor in six M.Sc. theses and 14 B.Sc. theses, Examination committee member in five Ph.D. theses
 - Two participations in the organization of conferences, editorial board member in one journal, 20 invited presentations
 - >30 abstracts in international and local conference proceedings

**Competitive
Funding**

- **2023-** : ECOeDNA, Ministry of Environment and Energy, as member
- **2023-** : “Improving the conservation status of *Pinus heldreichii* on national level through traditional and state-of-the-art methods”, Ministry of Environment and Energy, as member
- **2016-2017:** Special Account for Research Grants of AUTH. **Project Title:** “Post-transcriptional regulation of the *ABCA1* cholesterol transporter by *miR-33a/b*, in Type 2 Diabetes patients with unusually high HDL levels”
- **2013-2018: FP7-HEALTH-2011** – “EMTICS - European Multicenter Tics In Children Studies: Translating pre-clinical results into therapies” (Grant No 278367), as member
- **John S. Latsis Public Benefit Foundation – Scientific Studies 2015** - “Genetic association study of the NLRP3-induced inflammasome pathway with myasthenia in the Greek population”, as member
- **Bilateral Cooperation R&T Greece-France (2013-2015)** - NSRF 2007-2013 - “Exploring the role of the histaminergic pathway in the etiopathogenesis of Gilles de la Tourette Syndrome - **TSGeneExpress**”, as member
- **THALES (2012-2015)** - NSRF 2007-2013 - “**GR-DIAGENES:** The genetic architecture of Type 2 Diabetes in the Greek population”, as member

**Representative
recent
publications**

(* equal
contribution)

1. Vierimaa O*, Georgitsi M*, ..., Aaltonen LA (2006). Pituitary Adenoma Predisposition caused by germline mutations in the *AIP* gene. *Science* 312(5777): 1228-1230.
2. Georgitsi M*, Raitila A*,, Aaltonen LA (2007). Molecular diagnosis of pituitary adenoma predisposition, caused by *aryl hydrocarbon receptor interacting protein* gene mutations. *Proc Natl Acad Sci USA* 104(10):4101-4105.
3. Borg J*, Papadopoulos P*, Georgitsi M*,, Philipsen S (2010). Haploinsufficiency for the erythroid transcription factor *KLF1* causes Hereditary Persistence of Fetal Hemoglobin. *Nat Genet* 42(9):801-805.
4. Georgitsi M (2010). MEN-4 and other multiple endocrine neoplasias due to cyclin-dependent kinase inhibitors (p27^{Kip1}, p18^{INK4C}) mutations. *Best Pract Res Clin Endocrinol Metab* 24(3):425-437.
5. Alexander J*, Potamianou H*,, Georgitsi M (2016). Targeted Re- Sequencing Approach of Candidate Genes Implicates Rare Potentially Functional Variants in Tourette Syndrome Etiology. *Front Neurosci* 10:428, eCollection 2016.
6. Alexander J, Strobel T, Georgitsi M, et al. (2019). Neuropathology-driven whole-genome sequencing study points to novel candidate genes for healthy brain aging. *Alzheimer Dis Assoc Disord* 33(1):7-14.
7. Georgitsi M* et al. (2021). The polygenic nature and complex genetic architecture of Specific Learning Disorder. *Brain Sci* 11(5):631. **Special Issue Featured Paper**
8. Topaloudi A,, Georgitsi M*, Paschou P* (2022). A Myasthenia Gravis genome-wide association study implicates *AGRN* as a risk locus. *J Med Genet* 59(8):801-809.
9. Topaloudi A,, Georgitsi M, Drineas P, Paschou P (2023). PheWAS and cross-disorder analysis reveal genetic architecture, pleiotropic loci and phenotypic correlations across 11 autoimmune disorders. *Front Immunol* 14: 1147573.
10. Tsetsos F,, PGC TS Working Group; TSAICG; TSGeneSEE Initiative; EMTICS Collaborative Group; TS-EUROTRAIN Network; TIC Genetics Collaborative Group;, Georgitsi M, Hoekstra PJ, Paschou P. (2024). Genome-wide Association Study points to novel locus for Gilles de la Tourette Syndrome. *Biol Psychiatry* 96(2):114-124.