

Theodora Katsila

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Professional Appointments (Academia – Industry)

- Mar2019-present: **Associate Researcher**
National Hellenic Research Foundation
- Oct2017-present: **Adjunct Teaching Staff**
Hellenic Open University
- Feb2016-Mar2019: **University Fellow**
University of Patras, Greece
Dept. of Pharmacy, Pharmacogenomics & Personalized Medicine group
- Mar2014-Mar2019: **Senior Research Scientist – Team Leader**
University of Patras, Greece
Dept. of Pharmacy, Pharmacogenomics & Personalized Medicine group
- Jan2017-Feb2017: **Visiting Scientist**
ETH, Zürich
Institute of Systems Biology
- Dec2011-Feb2014: **Post-doctoral Research Fellow**
Vall d’Hebron Institute of Oncology (VHIO), Spain
Tumor Biomarkers Laboratory
- Jan2011-Nov2011: **Research Associate**
University of Patras, Greece
Dept. of Pharmacy, Laboratory of Pharmacokinetics
- Dec2006-Apr2007: **Research Assistant**
Biomedical Research Foundation Academy of Athens - Novosom AG
Biomedical Research Foundation Academy of Athens - Northeastern University
- Aug2002-Aug2003: **Placement Student**
Merck Sharp and Dohme Research Laboratories, Terlings park, UK

Academic Achievements

- Sep2007-Jul2011: **PhD in Chemistry. Classification: 10/10 (magna cum laude)**
Biomedical Research Foundation-Academy of Athens
Faculty of Chemistry, University of Patras, Greece
PhD thesis: In vivo evaluation and pharmacokinetics of leuprolide and analogues for the treatment of cancer using HPLC-MS/MS
Supervisor: Prof. J. Matsoukas (University of Patras)
- Oct2004-Jul2006: **MSc in Clinical Biochemistry-Molecular Diagnostics**
Classification: 8.7/10 (cum laude)
National and Kapodistrian University of Athens, Greece
MSc dissertation: In vitro study of the effect of prothymosin-alpha on the immune responses of lymphocytes in patients with ovarian cancer
Supervisor: Assist. Professor O.E. Tsitsilonis
- Oct2000-Aug2004: **BSc (Hons) in Biochemistry with a year in industry/research**
2nd Class Honours (Upper Division)
Imperial College London, UK
BSc dissertation: The thermodynamics of the maltose-maltose binding protein interaction
Supervisor: Prof. A.E.G. Cass

Awards

- Young Investigator Award, 50th ESPGHAN Annual Meeting, 2017, Czech Republic
e-Poster Award (120/700), 50th ESPGHAN Annual Meeting, 2017, Czech Republic
Young Investigator Award, 49th ESPGHAN Annual Meeting, 2016, Athens, Greece
Poster Presentation Award, 49th ESPGHAN Annual Meeting, 2016, Athens, Greece
Talk with the highest impact, 3rd International Gen-Arel Molecular Biology and Genetics Student Congress, Istanbul, Turkey
Poster award, 8th International Conference "Medicinal Chemistry: Drug Design & Development", 2010, Patras, Greece
PhD Thesis Scholarship (2008-2011), A.G. Leventis Foundation

National Programs External Evaluator

- Dana Ilmu Pengetahuan Indonesia (DIPI) Science Fund
European Commission (COST program, ERA PerMed JTC 2018, ERA PerMed JTC 2019)
Fondazione Regionale per la Ricerca Biomedica
French National Research Agency ANR, France

French Foundation for rare diseases (Fondation maladies rare)
General Secretariat of Research and Technology, Greece
National Science Center, Poland
State Scholarships Foundation, Greece

Patents

Fundacio Privada Institut d'Investigacio Oncologica de Vall Hebron, 2014. A method for monitoring the treatment of patients with tumors expressing EGFR. ES Patent Application EP14382224.5, filed June 2014. EP2955522A1.

Funding

Clinigen Group plc. 2016-2017

Amount: **£22,000**

Membership

2018-present: Member of the European Association of Systems Medicine (EAsyM)
2016-present: Genomic Medicine Alliance ambassador
Global Genomic Medicine Collaborative – PGx working group
Member of the ALS Hellas Scientific Committee
HUPO member
Cancer Epigenetics Society member
2012-present: Ambassador of the European Association for Cancer Research
2008-present: Member of the European Association for Cancer Research
2007-present: Member of Panhellenic Bioscientists Association
2007-2001: Member of A. G. Leventis Foundation Scholars Association Board
2005-present: Full Member of the Hellenic Society of Biochemistry/ Molecular Biology
Member of the Hellenic Society of Clinical Chemistry/ Clinical Biochemistry
2004-present: Associate of the Royal College of Science
Member of the Imperial College London Alumni Association

Participation in funded research consortia

UPGx H2020-668353. 2016-2018

UPGx Ubiquitous Pharmacogenomics: making actionable pharmacogenomic data and effective optimization accessible to every European citizen

WP1: R&D - Final study report to be submitted to WP1 - Dedicated webpage with secure login access for investigators and study staff - Translated patient surveys for the web-based intensive monitoring system - Main clinical study protocol including patient information brochure, informed consent forms, SOPs, and opinion of the competent institutional data protection - standardized electronic case record form (eCRF)

WP4: clinical implementation and assessment of pre-emptive pharmacogenomics

Role: Senior Research Scientist

FP7-305444. 2016-2018

RD-Connect: An integrated platform connecting registries, biobanks, and clinical bioinformatics for rare disease research

Role: Senior Research Scientist, Project management

Greek-EU operational program (11SYN_10_145) eMoDiA. 2014-2015

electronic pharmacogenomics assistant (ePGA) for ALS and Bipolar Disorder patients

Role: Senior Research Scientist, Project management

C.870. University of Patras. 2011-2012

Preclinical and clinical development and pharmacokinetics for novel diagnostics and therapeutics

Role: Research Scientist

FP7-259015 COLTHERES. 2011-2014

Modeling and prediction of sensitivity to targeted therapies in colorectal cancer

Role: Research Scientist

Editorial Activities

Editorial Board member

2016-present: Biomedicine Hub

Guest Associate Editor

2016-present: Front Pediatr, Translational Genetics and Genomics

Special Issue Editor

Current Pharm Des, "(Pharmaco)metabolomics in drug discovery and individualization of treatment"

Review Editor

Front Public Health, Front Pediatr, Front Pharmacol, Front Genet

Publons, verified peer reviewer of:

OMICS: A Journal of Integrative Biology, Oncotarget, Human Genetics, Human Mutation, Human Genomics, Public Health Genomics, Int J Mol Sci, Molecules, Pharmaceuticals

Invited Speaker

1. ESPGHAN, 2018, **Geneva, Switzerland**
2. Fit4rarefit4all, 2017, **Cluj-Napoca, Romania**
3. 12th Meeting of the Slovenian Biochemical Society, 2017, **Bled, Slovenia**
4. 4th Conference, European Society of Pharmacogenomics and Personalized Medicine, 2017, **Catania, Italy**
5. 9th International Conference and Exhibition on Metabolomics and Systems Biology, 2017, **Prague, Czech Republic**
6. Rare Diseases: Registries and National Plans, An innovative specialized workshop, 2017, **Kingdom of Bahrain**
7. 1st UPGx Personalized Medicine Day, 2016, **Granada, Spain**
8. Hellenic Bioninformatics 2016, 2016, **Thessaloniki, Greece**
9. Global Summit on Rare Diseases & Orphan Drugs, 2016, **Dubai, UAE**
10. 2016 Golden Helix Summer School, 2016, **Syros, Greece (workshop, lecture)**
11. 17th International Medicinal Chemistry Congress, 2016, **Spetses, Greece**
12. 2016 Golden Helix Symposium, 2016, **El Mansoura, Egypt**
13. 4th Workshop on Holistic Analytical Methods for Systems Biology Studies, 2016, **Thessaloniki, Greece (workshop)**
14. 2016 Golden Helix Pharmacogenomics Day, 2016, **Lucca, Italy**
15. 42^o Ετήσιο Πανελλήνιο Ιατρικό Συνέδριο, 2016, **Αθήνα, Ελλάδα**
16. 2^o Συνέδριο Συνδέσμου Ιατρικών Γενετιστών Ελλάδας (ΣΙΓΕ), 2016, **Αθήνα, Ελλάδα**
17. 3rd GEN-AREL Molecular Biology & Genetics Student Congress, 2015, **Istanbul, Turkey**
18. Global Genomic Medicine Collaborative, 2015, **Singapore**
19. 13th Conference on Clinical Oncology, 2015, **Patras, Greece**
20. SELECT-BIO, 2015, **Hannover, Germany**
21. Interdisciplinary Meeting & Training on the Treatment of Neoplasms, 2015, **Chania, Greece**
22. 11th Balkan Congress of Human Genetics, 2015, **Belgrade, Serbia**
23. The Young Biomarkers Day, A SIF-AIOM Joint Symposium, 2015, **Pisa, Italy**
24. 5th International Congress of the Serbian Genetic Society, 2014, **Belgrade, Serbia**
25. 2014 Golden Helix Summer School, 2014, **Aegina, Greece (workshop)**
26. 11th International Medicinal Chemistry Congress, 2010, **Patras, Greece**

27. 12th International Medicinal Chemistry Congress, 2011, **Patras, Greece**

Conference Organizer Roles & Responsibilities

3rd Conference of the Global Genomic Medicine Collaborative, 2017, Athens, Greece
(organizing committee member)

Mentoring & Teaching Activities

Imperial Alumni Mentoring Scheme, Imperial College London

100mentors partner

AuthorAID partner

Undergraduate curricula

2016-present: Academic Scholar, University of Patras, Department of Pharmacy

2015-2016: Teaching Staff (407/80), University of Patras, Department of Pharmacy

2016-present: Pharmaceutical Biotechnology. 7th semester: lectures, laboratory exercises

2015-present: Molecular Biology - Genetics. 4th semester: lectures, laboratory exercises

2014-2015: Molecular Biology - Genetics. 4th semester: lectures, laboratory exercises

2014-present: Cell Biology. 2nd semester: lectures

2014-2015: Pharmaceutical Biotechnology. 7th semester: laboratory exercises

Curricula in other national universities

2017-present: Genetics, Evolution, Developmental Biology (FYE43), Hellenic Open University

2016-present: Translational Research in Molecular Biology & Genetics (postgrad curriculum), Democritus University of Thrace, Dept. of Molecular Biology and Genetics

2016-present: Precision Medicine for Oncologists (e-learning Instructor), University of Piraeus, Dept. of Economics

2016-present: Pharmacogenomics and Precision Medicine (e-learning Instructor), University of Piraeus, Dept. of Economics

2016-present: Genes and Diet (e-learning Instructor), University of Piraeus, Dept. of Economics

Thesis Committees & Supervision of Junior Researchers

Mr. Santiago Rios Azuara, Universitat Autònoma de Barcelona

Peer-reviewed Research Publication List

1. V. Fragoulakis, M. Bartsakoulia, X. Díaz-Villamarín, K. Chalikiopoulou, K. Kehagia, J.G.S. Ramos, L.J. Martínez-González, M. Gkotsi, E. Katrali, E. Skoufas, A. Vozikis, A. John, B.R. Ali, S. Wordsworth, C.L. Dávila-Fajardo, **T. Katsila**, G.P. Patrinos, C. Mitropoulou. **Pharmacogenomics J**, 2019, PMID: 306474444
2. G.P. Patrinos, E. Giannopoulou, **T. Katsila**, E-E. Tsermpini, C. Mitropoulou. **Front Pharmacol**, 2019, Epub
3. G. Pampalakis, K. Mitropoulos, G. Xeromerisiou, E. Dardiotis, G. Deretzi, M. Anagnostouli, **T. Katsila**, M. Rentzos, G.P. Patrinos. **Hum Mutat**, 2019, 40(4):361.
4. I. Stergiou, K. Kambas, S. Giannouli, **T. Katsila**, A. Dimitrakopoulou, V. Vidali, E. Synolaki, A. Papageorgiou, A. Nezos, G.P. Patrinos, P. Sideras, K. Ritis, G. Vassilopoulos, A. Tzioufas, M. Voulgarelis. **Blood**, 2018, 132(Suppl 1), 1808.
5. A. Papachristos, **T. Katsila**, E. Panoilia, E. Mendrinou, A. John, B. R. Ali, Ch. P. Kalofonos, G. Patrinos, G. Sivolapenko. **J Clin Oncol**, 2018, 36(15_suppl):2521.
6. G. Milosevic, N. Kotur, N. Krstovski, J. Lazic, B. Zukic, B. Stankovic, D. Janic, **T. Katsila**, GP Patrinos, S. Pavlovic, L. Dokmanovic. **J Med Biochem**, 2018, 37(3):320.
7. **T. Katsila**, M.-T. Matsoukas. How far have we come with contextual data integration in drug discovery? **Expert Opin Drug Discov**, 2018, 13(9):791.
8. **T. Katsila***, GP Patrinos, D Kardamakis. Searching for clinically relevant biomarkers in geriatric oncology. **Biomed Res Int**, 2018, 2018: 3793154.
9. C. Sukasem, **T. Katsila**, T. Tempark, G.P. Patrinos, W. Chantratita. Drug-induced Stevens-Johnson syndrome and toxic epidermal necrolysis call for optimum patient stratification and theranostics via pharmacogenomics. **Annu Rev Genomics Hum Genet**, 2018, 19: 329.
10. E. Alexopoulou, **T. Katsila**, M. Tolia, N. Tsoukalas, M. Leontsinidis, G. Kyrgias, V. Kouloulis, G.P. Patrinos, D. Spyropoulou, D. Kardamakis. An exploratory study of radiation dermatitis in breast cancer patients. **Anticancer Res**, 2018, 38(3): 1615.
11. **T. Katsila***, M. Lontos, G.P. Patrinos, A. Bamias, D. Kardamakis. The new age of – omics in urothelial cancer-Re-wording its diagnosis and treatment. **EBioMedicine**, 2018, 28: 43.
12. K. Mitropoulos, **T. Katsila**, G.P. Patrinos, G. Pampalakis. Multi-omics for biomarker discovery and target validation in biofluids for amyotrophic lateral sclerosis diagnosis. **OMICS**, 2018, 22(1): 52.
13. C. Pisanu, **T. Katsila**, G.P. Patrinos, A. Squassina. Recent trends on the role of epigenomics, metabolomics and noncoding RNAs in rationalizing mood stabilizing treatment. **Pharmacogenomics**, 2018, 19(2): 129.
14. K. Mitropoulos, E. Merkouri Papadima, G. Xiromerisiou, A. Balasopoulou, K. Charalampidou, V. Galani, K.V. Zafeiri, E. Dardiotis, S. Ralli, G. Deretzi, A. John, K.

- Kydonopoulou, E. Papadopoulou, A. di Pardo, F. Akcimen, A. Loizedda, V. Dobričić, I. Novaković, V.S. Kostić, C. Mizzi, B.A. Peters, N. Basak, S. Orrù, E. Kiskinis, D.N. Cooper, S. Gerou, R. Drmanac, M. Bartsakoulia, E.E. Tsermpini, G.M. Hadjigeorgiou, B.R. Ali, **T. Katsila**, G.P. Patrinos. Genomic variants in the FTO gene are associated with sporadic amyotrophic lateral sclerosis in Greek patients. **Hum Genomics**, 2017, 11(1): 30.
15. N. Malats, **T. Katsila***, G.P. Patrinos. Cancer genomics and public health. **Public Health Genomics**, 2017, 20 (2): 67.
 16. A. Panagiotara, A. Markou, E.S. Lianidou, G.P. Patrinos, **T. Katsila***. Exosomes: A cancer theranostics road map. **Public Health Genomics**, 2017, 20 (2): 116.
 17. K. Sarris, A. Komianou, G.P. Patrinos, **T. Katsila***. Application of the DruGeVar database in cancer genomics and pharmacogenomics. **Public Health Genomics**, 2017, 20 (2): 142.
 18. **T. Katsila**, G.P. Patrinos. Editorial: (Pharmaco)Metabolomics in drug discovery and individualization of treatment. **Curr Pharm Des**, 2017, 23(14): 2027.
 19. **T. Katsila***, M.-T. Matsoukas, G.P. Patrinos, D. Kardamakis. Pharmacometabolomics informs quantitative radiomics for glioblastoma diagnostic innovation. **OMICS**, 2017, 21(8): 429.
 20. A. Kolliopoulou, A. Stratopoulos, S. Siamoglou, A. Sgourou, A. Papachatzopoulou, **T. Katsila**, G.P. Patrinos. Key pharmacogenomic considerations for sickle cell disease patients. **OMICS**, 2017, 21(6): 314.
 21. C. Vermeulen, G. Geeven, E. de Wit, M. Verstegen, R. Jansen, M. Kranenburg, E. de Bruijn, S.L. Pulit, E. Kruisselbrink, Z. Shahsavari, M. Omrani, F. Zeinali, H. Najmabadi, **T. Katsila**, C. Vrettou, G.P. Patrinos, J. Traeger-Synodinos, E. Splinter, J. Beekman, S. Kheradmand Kia, G. te Meerman, H.K. Ploos van Amstel, W. de Laat. Sensitive Monogenic Non-invasive Prenatal Diagnosis by Targeted Haplotyping. **AJHG**, 2017, 101 (3): 326.
 22. K. Lakiotaki, A. Kanterakis, E. Kartsaki, **T. Katsila**, G.P. Patrinos, G. Potamias. Exploring public genomics data for population pharmacogenomics. **PLoS One**, 2017, 12(8): e0182138.
 23. E. Cecchin, R. Roncato, H.J. Guchelaar, G. Toffoli **and for the Ubiquitous Pharmacogenomics Consortium**. Ubiquitous Pharmacogenomics (U-PGx): The time for implementation is now. An Horizon2020 program to drive pharmacogenomics into clinical practice. **Curr Pharm Biotechnol**, 2017, 18 (3): 204.
 24. A. Balasopoulou, F-M. Mooy, D.J. Baker, C. Mitropoulou, E. Skoufas, A. Bulgiba, **T. Katsila**, G.P. Patrinos. Advancing global precision medicine: an overview of genomic testing and counseling services in Malaysia. **OMICS**, 2017, 21(12): 733.

25. V. Chondrou, P. Kolovos, A. Sgourou, A. Kourakli, A. Pavlidaki, V. Kastrinou, A. John, A. Simeonidis, B.R. Ali, A. Papachatzopoulou, **T. Katsila**, G.P. Patrinos. Whole transcriptome analysis of human erythropoietic cells during ontogenesis suggests a role of VEGFA gene as a modulator of fetal haemoglobin and pharmacogenomic biomarker of treatment response to hydroxyurea in β -type hemoglobinopathies patients. **Hum Genomics**, 2017, 11(1): 24.
26. K. Mitropoulos, D.N. Cooper, C. Mitropoulou, S. Agathos, J.K.V. Reichardt, F. Al-Maskari, W. Chantratita, A. Wonkam, C. Dandara, **T. Katsila**, C. Lopez-Correa, B.R. Ali, G.P. Patrinos. Genomic medicine without borders: Which strategies should developing countries employ to invest in precision medicine? A new "fast-second winner" strategy. **OMICS**, 2017, 21(11): 647.
27. C.H. van der Wouden, A. Cambon-Thomsen, E. Cecchin, K.C. Cheung, C. Lucía Dávila-Fajardo, V.H. Deneer, V. Dolžan, M. Ingelman-Sundberg, S. Jönsson, M.O. Karlsson, M. Kriek, C. Mitropoulou, G.P. Patrinos, M. Pirmohamed, M. Samwald, E. Schaeffeler, M. Schwab, D. Steinberger, J. Stingl, G. Sunder-Plassmann, G. Toffoli, R.M. Turner, M.H. van Rhenen, J.J. Swen, H.J. Guchelaar; **Ubiquitous Pharmacogenomics Consortium**. Implementing Pharmacogenomics in Europe: Design and Implementation Strategy of the Ubiquitous Pharmacogenomics Consortium. **Clin Pharmacol Ther**, 2016, 101(3): 341.
28. B. Balasopoulou, B. Stanković, A. Panagiotara, G. Nikčević, B.A. Peters, A. John, E. Mendrinou, A. Stratopoulos, A.I. Legaki, V. Stathakopoulou, A. Tsolia, N. Govaris, S. Govari, Z. Zagoriti, K. Poulas, M. Kanariou, N. Constantinidou, M. Krini, K. Spanou, N. Radlovic, B.R. Ali, J. Borg, R. Drmanac, G. Chrousos, S. Pavlovic, E. Roma, B. Zukic, G.P. Patrinos, **T. Katsila***. Novel genetic risk variants for pediatric celiac disease. **Hum Genomics**, 2016, 10(1): 34.
29. **T. Katsila**, G. A. Spyroulias, G. P. Patrinos, M.-T. Matsoukas. Computational approaches in target identification and drug discovery. **Comput Struct Biotechnol J**, 2016, 14: 177.
30. **T. Katsila***, E. Konstantinou, I. Lavda, H. Malakis, I. Papantoni, L. Skondra, G. P. Patrinos. Pharmacometabolomics-aided Pharmacogenomics in Autoimmune Disease. **EBioMedicine**, 2016, 5: 40.
31. C. Mizzi, E. Dalabira, J. Kumuthini, N. Dzimiri, I. Balogh, N. Başak, R. Böhm, J. Borg, P. Borgiani, N. Bozina, H. Bruckmueller, B. Burzynska, A. Carracedo, I. Cascorbi, C. Deltas, V. Dolzan, A. Fenech, G. Grech, V. Kasiulevicius, L. Kádaši, V. Kučinskas, E. Khusnutdinova, Y.L. Loukas, M. Jr Macek, H. Makukh, R. Mathijssen, K. Mitropoulos, C. Mitropoulou, G. Novelli, I. Papantoni, S. Pavlovic, G. Saglio, J. Setric, M. Stojiljkovic, A.P. Stubbs, A. Squassina, M. Torres, M. Turnovec, R.H. van Schaik, K. Voskarides, S.M. Wakil, A. Werk, M. Del Zompo, B. Zukic, **T. Katsila**, M.T. Lee, A. Motsinger-Rief, H.L. Mc Leod, P.J. van der Spek, G.P. Patrinos. A European

- spectrum of pharmacogenomic biomarkers: implications for clinical pharmacogenomics. **PLoS One**, 2016, 11: e0162866.
32. K. Lakiotaki, E. Kartsaki, A. Kanterakis, **T. Katsila**, G.P. Patrinos, G. Potamias. ePGA: a web-based information system for translational pharmacogenomics. **PLoS One**, 2016, 11: e0162801.
33. E. Viennas, A. Komianou, C. Mizzi, M. Stojiljkovic, C. Mitropoulou, J. Muilu, M. Vihinen, P. Grypioti, S. Papadaki, C. Pavlidis, B. Zukic, **T. Katsila**, P. van der Spek, S. Pavlovic, G. Tzimas, G.P. Patrinos. Expanded national database collection and data coverage in the FINDbase worldwide database for clinically relevant genomic variation allele frequencies. **Nucleic Acids Res**, 2016: gkw949
34. M.A. El Mubarak, I. Leontari, C. Danika, **T. Katsila**, G. Sivolapenko. Development and validation of a UHPLC-UV method for the determination of a prostate secretory protein 94-derived synthetic peptide (PCK3145) in human plasma and assessment of its stability in human plasma. **Biomed Chromatogr**, 2016, 30(9): 1476.
35. A. Balasopoulou, G.P. Patrinos, **T. Katsila***. Pharmacometabolomics Informs Viromics toward Precision Medicine. **Front Pharmacol**, 2016, 7:411.
36. A. Gravia, V. Chondrou, A. Kolliopoulou, A. Kourakli, A. John, A. Symeonidis, B.R. Ali, A. Sgourou, A. Papachatzopoulou, **T. Katsila**, G.P. Patrinos. Correlation of SIN3A genomic variants with β -hemoglobinopathies disease severity and hydroxyurea treatment efficacy. **Pharmacogenomics**, 2016, 17: 1785.
37. G.P. Patrinos, **T. Katsila**. Pharmacogenomics education and research at the Department of Pharmacy, University of Patras, Greece. **Pharmacogenomics**, 2016, 17(17):1865.
38. M. Ugrin, M. Stojiljkovic, B. Zukic, K. Klaassen, **T. Katsila**, J. Vasiljevic, L. Dokmanovic, D. Janic, G.P. Patrinos, S. Pavlovic. Functional Analysis of an $\text{A}\gamma$ -Globin Gene Promoter Variant (HBG1: g.-225_-222delAGCA) Underlines Its Role in Increasing Fetal Hemoglobin Levels Under Erythropoietic Stress. **Hemoglobin**, 2016, 40: 48.
39. C. Pavlidis, J.-C. Nebel, **T. Katsila**, G.P. Patrinos. Nutrigenomics 2.0: The Need for Ongoing and Independent Evaluation and Synthesis of Commercial Nutrigenomics Tests' Scientific Knowledge Base for Responsible Innovation. **OMICS**, 2016, 20: 65.
40. C. Chalikiopoulou, A.-G. Tavianatou, A. Sgourou, A. Kourakli, D. Kelepouri, M. Chrysanthakopoulou, V.-K. Kanelaki, E. Mourdoukoutas, S. Siamoglou, A. John, A. Symeonidis, B.R. Ali, **T. Katsila**, A. Papachatzopoulou, G.P. Patrinos. Genomic variants in the ASS1 gene, involved in the nitric oxide biosynthesis and signaling pathway, predict hydroxyurea treatment efficacy in compound sickle cell disease/ β -thalassemia patients. **Pharmacogenomics**, 2016, 17: 393.
41. H.S. Al-Jaibeji, A. John, L. Al-Gazali, K. Soliman, A. Oulhaj, **T. Katsila**, A. Brand, G.P. Patrinos, B.R. Ali. Allele and genotype frequencies of the two single nucleotide

- polymorphisms in the VKORC1 gene that are most important for warfarin treatment among Emiratis. **Hamdan Medical Journal**, 2016, 9.
42. H. Daoud, E. M. Papadima, B. O. A. Bencheikh, **T. Katsila**, A. Dionne-Laporte, D. Spiegelman, P. A. Dion, G.P. Patrinos, S. Orrù, G. A. Rouleau. Identification of a novel homozygous SPG7 mutation by whole exome sequencing in a Greek family with a complicated form of hereditary spastic paraplegia. **Eur J Med Genet**, 2015, 58: 573.
43. I. Karageorgos, C. Mizzi, E. Giannopoulou, C. Pavlidis, B. A. Peters, Z. Zagoriti, P. D. Stenson, K. Mitropoulos, J. Borg, H. P. Kalofonos, R. Drmanac, A. Stubbs, P. van der Spek, D.N. Cooper, **T. Katsila**, G.P. Patrinos. Identification of cancer predisposition variants in apparently healthy individuals using a next-generation sequencing-based family genomics approach. **Hum Genomics**, 2015, 9: 1.
44. **T. Katsila***, G.P. Patrinos. Pharmacometabolomics: Applications and Challenges. **CPPM**, 2015, 13: 9.
45. **T. Katsila**, G.P. Patrinos. Whole genome sequencing in pharmacogenomics. **Front Pharmacol**, 2015, 6: 61.
46. **T. Katsila***, G.P. Patrinos. The implications of metabotypes for rationalizing therapeutics in infants and children. **Front Pediatr**, 2015, 3:68.
47. N. Kotur, L. Dokmanovic, D. Janic, B. Stankovic, N. Krstovski, N. Tomic, **T. Katsila**, G.P. Patrinos, B. Zukic, S. Pavlovic. TPMT gene expression is increased during maintenance therapy in childhood acute lymphoblastic leukemia patients in a TPMT gene promoter variable number of tandem repeat-dependent manner. **Pharmacogenomics**, 2015, 16: 1701.
48. C. Pavlidis, Z. Lanara, A. Balasopoulou, J.-C. Nebel, **T. Katsila**, G.P. Patrinos. Meta-analysis of genes in commercially available nutrigenomic tests denotes lack of association with dietary intake and nutrient-related pathologies. **OMICS**, 2015, 19: 512.
49. C. Pavlidis, G.P. Patrinos, **T. Katsila**. Nutrigenomics: A controversy. **Appl Transl Genom**, 2015, 4: 50.
50. A. Vicha, **T. Katsila**, E. Giannopoulou, H. Leontari, M. El Mubarak, A. Gravia, V. Chondrou, A. Symeonidis, G.P. Patrinos, H.P. Kalofonos, G. Sivolapenko. A Pharmacokinetic Analysis and Pharmacogenomic Study of 6-mercaptopurine. **Int J Pharm Sci Dev Res**, 2015, 2.
51. E. Dalabira, E. Viennas, E. Daki, A. Komianou, M. Bartsakoulia, K. Poulas, **T. Katsila**, G. Tzimas, G.P. Patrinos. DruGeVar: an online resource triangulating drugs with genes and genomic biomarkers for clinical pharmacogenomics. **Public Health Genomics**, 2014, 17: 265.
52. A. Gravia, V. Chondrou, A. Sgourou, I. Papantoni, J. Borg, **T. Katsila**, A. Papachatzopoulou, G.P. Patrinos. Individualizing fetal hemoglobin augmenting

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