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**PERISTERA PASCHOU**

*Associate Professor of Biological Sciences  
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**I. GENERAL INFORMATION****A. Education**

- 2002-2005** **Diplomate of the American Board of Medical Genetics** (August 2005) - **Clinical Molecular Genetics Specialty**. Yale University School of Medicine, Department of Genetics - Medical Genetics Training Program
- 2002-2005** Postdoctoral Training, Yale University School of Medicine, Department of Genetics (Supervisor: Kenneth K. Kidd)
- 1999-2002** National University of Athens, **PhD in Human Genetics**  
Thesis: "Molecular Determinants of the Etiology and Pathogenesis of Insulin Dependent Diabetes"
- 2001** Institut Pasteur, Paris, Training Fellowship - The genetics of Type 1 Diabetes Mellitus in Greek families
- 1999-2000** University of Oxford, "Wellcome Trust Centre for Human Genetics" – Training Fellowship - whole genome screening for the identification of disease loci
- 1997-1999** National University of Athens, Faculty of Nursing - MSc  
Dissertation: "Genetic Counseling in Type 1 Diabetes Mellitus"
- 1992-1997** National University of Athens, Faculty of Nursing – BSc

**B. Present Position**

- 2019-** Associate Dean for Online and Graduate Education, College of Science, Purdue University
- 2016-** Associate Professor, Department of Biological Sciences (with Tenure), Purdue University

**C. Previous Positions**

- 2018-2019** Inaugural Frederick Hovde Dean's Fellow, Purdue University, College of Science
- 2014-2016** Associate Professor of Population Genetics, Democritus University of Thrace, Department of Molecular Biology and Genetics (with Tenure)

- 2010-2014** Assistant Professor of Population Genetics, Democritus University of Thrace, Department of Molecular Biology and Genetics
- 2011** Adjunct Investigator, National Institute of Child Health and Human Development, Bethesda, USA
- 2005-2010** Lecturer in Population Genetics, Democritus University of Thrace, Department of Molecular Biology and Genetics
- 2007** Visiting Scientist, Center for Neurobehavioral Genetics, Medical School, University of California Los Angeles, USA (October 2007)
- 2006** Visiting Specialist, Institute for Human Genetics, University of California San Francisco, USA (June-August, 2006)
- 2003-2005** Postdoctoral Fellow, Department of Genetics, Yale University School of Medicine, USA
- 2002-2003** Postdoctoral Associate, Department of Genetics, Yale University School of Medicine, USA
- 1999-2002** Research Associate, National University of Athens - European Cooperation Project: “Diabetes Prediction and Prevention - DIPP DEMO Project”
- 1997-1999** Research Associate, National University of Athens - European Cooperation Project: “Genomic map of Insulin Dependent Diabetes Mellitus (IDDM)”

#### **D. Awards and Honors**

- 2019** Showalter Faculty Scholar
- 2019** University Faculty Scholar, Purdue University
- 2015** Latsis Foundation Award – 2015 Scientific Studies by Young Researchers
- 2014** Excellence Career Award – ARISTEIA II – co-funded by Greece and the European Union
- 2010** Platform presentation award, 2010 Hellenic Society for Biochemistry and Molecular Biology meeting, Alexandroupoli, Greece
- 2005** Hellenic Endocrine Society, 1<sup>st</sup> Research Grant Award
- 2004** *Paschou et al. Am J Hum Genet 2004* – selected as one of the “Top Ten papers” in 2004 by the Centre of Excellence for Early Childhood Development in Canada
- 1999** “EURODIAB TIGER: EUROpe and DIAbetes – Type 1 Genetic Epidemiology Resource” – Training scholarship – “Wellcome Trust Centre for Human Genetics”, University of Oxford

#### **E. Leadership Activities**

##### **Purdue University**

- 2019-** Associate Dean for Online and Graduate Education
- 2019-** Co-Chair Integrative Data Science Initiative Curriculum Committee
- 2018-2019** FLAIR Fellow – Faculty Leadership Academy for Interdisciplinary Research
- 2018-2019** Inaugural Frederick L. Hovde Dean’s Fellow

## **Boards of scientific societies**

- 2014-2017**    **Board Member** - European Society for the Study of Tourette Syndrome (ESSTS)  
**2011-2014**    **Chair** - European Society for the Study of Tourette Syndrome (ESSTS)  
**2011-2012**    **Treasurer** of the Board of Directors - Hellenic Association for Medical Genetics

## **Coordinator for international cooperation research programs**

- 2017-**            Chair of [ENIGMA-TS Working Group: Enhancing Neuroimaging Genetics through meta-analysis for Tourette Syndrome](#).
- 2012-2016**    Coordinator of [TS-EUROTRAIN: Interdisciplinary training network for Tourette Syndrome; structuring European Training capacities for neurodevelopmental disorders.](#) – Marie Curie Initial Training Network
- 2011-2015**    Work package leader - [«European Multicenter Tics in Children Study»](#) FP7-HEALTH.
- 2010-2014**    Chair of the “[European Network for the Study of Gilles de la Tourette Syndrome](#)” (Multidisciplinary consortium of investigators from 20 European countries – Funded by *COST – European Cooperation in Science and Technology*)
- 2009-2012**    Steering Committee Member of the international research project «GGRI - Gilles de la Tourette Syndrome Genome Wide Association Study Replication Initiative»
- 2008-**            Coordinator of the international research project «[Tourette Syndrome Genetics. The Southern and Eastern Europe Initiative](#)» (Scientific network of investigators from seven European countries – Funded by the *Tourette Association of America*)

## **II. DISCOVERY**

### **A. Popular Press (selected press-releases discussing Dr Paschou’s work)**

#### **Investigating population genetic structure in a tera scale**

1. TeraPCA (a scalable, multi-threaded software package to compute the top principal components of terascale matrices). [Purdue press-release](#)

#### **Understanding the genetic basis of Tourette Syndrome**

2. June 2017 – [Purdue press-release](#): Tourette Syndrome risk increases in people with genetic copy variants
3. June 2017 – [NIH press release](#): Researchers uncover genetic gains and losses in Tourette Syndrome
4. June 2017 – [Boston Herald](#): Gene find may aid in Tourette treatment
5. July 2012 - [European Cooperation in Science and Technology - Newsroom](#): COST Action BM0905 underpins proposal for a Marie Curie Initial Training Network on Tourette Syndrome (TS)
6. October 2005 - [Bulletin of the Centre of Excellence for Early Childhood Development, Canada](#): How will Tourette Syndrome strike within a family next?

### **Population genetic structure in the Peloponnese**

7. March 2017 – [Vima Science](#): DNA contradicts Fallmerayer theory (one of the main newspapers in Greece – article in Greek).

### **Maritime route of colonization of Europe**

8. June 2014 - [Science](#): First farmers were also sailors
9. June 2014 - [National Geographic](#): Ancient Europe colonized by island hoppers?
10. June 2014 - [Le Figaro \(in French\)](#): Lire dans l'ADN l'histoire du peuplement
11. June 2014 - [Scinexx.de \(in German\)](#): Die ersten Bauern kamen über den Seeweg
12. June 2014 - [Le Scienze \(in Italian\)](#): La via insulare delle migrazioni neolitiche
13. June 2014 - [TO VIMA \(in Greek\)](#): Farming arrived to Europe by ship
14. June 2014 - [TA NEA \(in Greek\)](#): The Greek islands as a bridge of evolution

### **Minoan Ancestry**

15. May 2013 - [Nature News](#): Minoan civilization was made in Europe
16. May 2013 - [BBC News](#): DNA reveals origin of Greece's ancient Minoan culture
17. May 2013 - [NBC News](#): Mysterious Minoans really were European, DNA finds
18. May 2013 - [Live Science](#): Mysterious Minoans were European
19. May 2013 - [USA Today](#): Europe's first civilization was home grown
20. May 2013 - [RPI News](#): DNA analysis unearths origins of Minoans
21. May 2013 - [TO VIMA \(in greek\)](#): Modern Cretans descended from the Minoans
22. May 2013 - [Proto Thema \(in greek\)](#): Cretans are descendants of the Minoans
23. May 2013 - [Kriti TV \(in greek\)](#): Minoans were the first Europeans

### **PCA-correlated SNPs and population structure press-releases**

24. April 2008 - [LiveScience](#) and NSF: Computer program reveals anyone's ancestry
25. August 2008 – [ScienceDaily](#): Pinpointing genetic variations in European Americans
26. September 2007 - [ScienceDaily](#): Tracing your ancestry:
27. September 2007 – [Scitizen article](#): DNA markers and computer science methodology can be used to trace individual ancestry

### **B. Publications (Peer-reviewed)**

\* indicates primary author, Paschou lab author codes: <sup>P</sup> Post-Doctoral; <sup>G</sup> Graduate student; <sup>U</sup> Undergraduate student; <sup>PC</sup> Pre-collegiate student.

Dr. Paschou has published in the following journals listed in order of the most recent impact factor: [Science](#) (IF 37.2), [Cell](#) (IF:36.21), [Neuron](#) (IF: 13.97), [Am J Psychiatry](#) (IF: 13.4), [Mol Psychiatry](#) (IF: 13.20), [Nature Communications](#). (IF: 12.12), [Genome Research](#) (IF: 11.35), [Biol Psychiatry](#) (IF: 11.21), [Annals of Neurology](#) (IF: 9.89), [Proceedings of the National Academy of Sciences USA](#) (IF: 9.66), [Am J Hum Genet](#) (IF: 9.02), [Neurology](#). (IF:8.32), [Cell Reports](#) (IF: 8.28), [Neurosci Biobehav Rev](#) (IF: 8.23), [Nat Rev Dis Primers](#) (IF: 6.39), [PLoS Genetics](#) (IF: 6.10), [J Med Genet](#) (IF: 5.45), [Neurobiol Aging](#) (IF: 5.15), [Human Genetics](#) (IF: 4.64), [Am J Med Genet](#) (IF: 4.44), [Eur J Hum Genet](#) (IF: 4.35), [Pharmacogenomics](#) (IF:

3.85), Genes Brain Behav (IF: 3.74), Front Neurosci (IF: 3.56), Front Psychiatry (IF: 3.53), Cytokine (IF: 3.49), Eur Child Adolesc Psychiatry (IF: 3.34), Diabetes Metab Res Rev. (IF: 3.26), Spine J (IF: 3.02), PLoS ONE (IF: 2.80), Diab Vasc Dis Res (IF: 2.5), BMC Bioinformatics. (IF: 2.45), Int J Legal Med. (IF: 2.38), Biological Journal of the Linnean Society. (IF: 2.29), Annals of Human Genetics (IF: 1.66), Int Urol Nephrol (IF: 1.56), Twin Res Hum Genet (IF:1.31), Behav Neurol (IF: 1.31), Journal of Pediatric Endocrinology and Metabolism (IF: 1.23)

**Based on Google Scholar Report:**

**Total number of citations: 2,524**

**h-index: 26**

**i10-index: 39**

**Complete list of published work in MyBibliography (use link below)**

<https://www.ncbi.nlm.nih.gov/myncbi/peristera.paschou.1/bibliography/public/>

1. Cross-disorder working group of the Psychiatric Genomics Consortium. Genome wide meta-analysis identifies genomic relationships, novel loci, and pleiotropic mechanisms across eight psychiatric disorders. *Cell* in press (IF: 36.21)
2. Yu D\*, Sul JH\*, Tsetsos F\*<sup>g</sup>,..., Paschou P#, Coppola G#, Mathews CA#, Scharf JM# (2019). Interrogating the genetic determinants of Tourette syndrome and other tic disorders through genome-wide association studies. *American Journal of Psychiatry* 176(3):217-227. (IF: 13.4) \***equal contribution first authors, #equal contribution senior corresponding authors**
3. Raveane A, Aneli S, Montinaro F, Athanasiadis G, Barlera S, Birolo G, Boncoraglio G, Di Blasio AM, Di Gaetano C, Pagani L, Parolo S, Paschou P, et al. (2019). Population structure of modern-day Italians reveals patterns of ancient and archaic ancestries in Southern Europe. *Sci Adv* 4;5(9):eaaw3492. (IF: 12.80)
4. Drineas P, Tsetsos F<sup>g</sup>, Plantinga A, Lazaridis I, Yannaki E, Razou A, Kanaki K, Michalodimitrakis M, Perez-Jimenez F, De Silvestro G, Renda MC, Stamatoyannopoulos JA, Kidd KK, Browning BL, Paschou P\*, Stamatoyannopoulos G (2019). Genetic history of the population of Crete. *Ann Hum Genet* 83(6):373-388. (IF: 1.52) \***corresponding author**
5. Bose A<sup>g</sup>, Kalantzis AV, Kontopoulou E<sup>g</sup>, Elkadi M<sup>g</sup>, Paschou P, Drineas P. (2019). TeraPCA: a fast and scalable software package to study genetic variation in tera-scale genotypes. *Bioinformatics* 35(19):3679-3683. (IF: 4.53)
6. Mufford M, Cheung J, Jahanshad N, van der Merwe C, Ding L, Groenewold N, Koen N, Chimusa ER, Dalvie S, Ramesar R, Knowles JA, Lochner C, Hibar DP, Paschou P, et al (2019). Concordance of genetic variation that increases risk for tourette syndrome and that influences its underlying neurocircuitry. *Transl Psychiatry* 9(1):120. (IF: 5.18)
7. Alexander J<sup>g</sup>, Ströbel T, Georgitsi M, Hönigschnabl S, Reiner A, Fischer P, Tsifintaris M<sup>u</sup>, Paschou P\*, and Kovacs GG\*. Neuropathology-driven Whole-genome Sequencing Study Points to Novel Candidate Genes for Healthy Brain Aging. *Alzheimer's Disease and Associated Disorders*, 33(1):7-14.\***equal contribution, co-corresponding authors**
8. Wang S, Mandell JD, Kumar Y<sup>p</sup>, Sun N, Morris MT, Arbelaez J, Nasello C, Dong S, Duhn C, Zhao X, Yang Z<sup>g</sup>, Padmanabhuni SS<sup>p</sup>....P Paschou\*, Willsey JA\*, State MA\* (2018). De Novo Sequence and Copy Number Variants are Strongly Associated with Tourette Disorder and

Implicate Cell Polarity in Pathogenesis. *Cell Reports* 24(13):3441-3454 (IF: 8.28) \*equal contribution senior corresponding authors

9. Brainstorm Consortium (2018). Analysis of shared heritability in common disorders of the brain. *Science*: 360(6395). (IF 37.2)
10. Schrag A, Martino D, Apter A, Ball J, Bartolini E, Benaroya-Milshtein N, Buttiglione M, Cardona F, Creti R, Efstratiou A, Gariup M, Georgitsi M, Hedderly T, Heyman I, Margarit I, Mir P, Moll N, Morer A, Müller N, Müller-Vahl K, Münchau A, Orefici G, Plessen KJ, Porcelli C, Paschou P, Rizzo R, Roessner V, Schwarz MJ, Steinberg T, Tagwerker Gloor F, Tarnok Z, Walitza S, Dietrich A, Hoekstra PJ; EMTICS Collaborative Group (2018). European Multicentre Tics in Children Studies (EMTICS): protocol for two cohort studies to assess risk factors for tic onset and exacerbation in children and adolescents. *Eur Child Adolesc Psychiatry* in press (IF: 3.34)
11. Tsekmekidou XA<sup>g</sup>, Kotsa KD, Tsetsos FS<sup>g</sup>, Didangelos TP, Georgitsi MA, Roumeliotis AK, Panagoutsos SA, Thodis ED, Theodoridis MT, Papanas NP, Papazoglou DA, Pasadakis PS, Eustratios MS, Paschou PI, Yovos JG (2018). Assessment of association between lipoxxygenase genes variants in elderly Greek population and type 2 diabetes mellitus. *Diab Vasc Dis Res* 15(4):340-343. (IF: 2.5)
12. Paschou P\*, Müller-Vahl K (2017). Editorial: The Neurobiology and Genetics of Gilles de la Tourette Syndrome: New Avenues through Large-Scale Collaborative Projects. *Front Psychiatry*. 8:197 (**Research Topic Editor - The neurobiology and genetics of Gilles de la Tourette Syndrome: new avenues through large-scale collaborative projects** – 33 articles included) (IF: 3.53)
13. Huang AY, Yu D, Davis LK, Sul JH, Tsetsos F<sup>g</sup>, Ramensky V, Zelaya I, Ramos EM, Osiecki L, Chen JA, McGrath LM, Illmann C, Sandor P, Barr CL, Grados M, Singer HS, Nöthen MM, Hebebrand J, King RA, Dion Y, Rouleau G, Budman CL, Depienne C, Worbe Y, Hartmann A, Müller-Vahl KR, Stuhmann M, Aschauer H, Stamenkovic M, Schloegelhofer M, Konstantinidis A, Lyon GJ, McMahon WM, Barta C, Tarnok Z, Nagy P, Batterson JR, Rizzo R, Cath DC, Wolanczyk T, Berlin C, Malaty IA, Okun MS, Woods DW, Rees E, Pato CN, Pato MT, Knowles JA, Posthuma D, Pauls DL, Cox NJ, Neale BM, Freimer NB, Paschou P\*, Mathews CA\*, Scharf JM\*, Coppola G\*; Tourette Syndrome Association International Consortium for Genetics (TSAICG); Gilles de la Tourette Syndrome GWAS Replication Initiative (GGRI) (2017). Rare Copy Number Variants in NRXN1 and CNTN6 Increase Risk for Tourette Syndrome. *Neuron* Jun 21;94(6):1101-1111. (IF: 13.97) \*equal contribution senior authors
14. Bulbul O, Pakstis AJ, Soundararajan U, Gurkan C, Brissenden JE, Roscoe JM, Evsanaa B, Togtokh A, Paschou P, Grigorenko EL, Gurwitz D, Wootton S, Lagace R, Chang J, Speed WC, Kidd KK (2017). Ancestry inference of 96 population samples using microhaplotypes. *Int J Legal Med*. In press . (IF: 2.38)
15. Roumeliotis AK, Roumeliotis SK, Panagoutsos SA, Tsetsos F<sup>g</sup>, Georgitsi MP, Manolopoulos V, Paschou P, Passadakis PS (2017). Association of ALOX12 gene polymorphism with all-cause and cardiovascular mortality in diabetic nephropathy. *Int Urol Nephrol* in press. (IF: 1.56)
16. Alexander J<sup>g</sup>, Mantzaris D<sup>p</sup>, Georgitsi MP, Drineas P, Paschou P (2017). Variant Ranker: a web-tool to rank genomic data according to functional significance. *BMC Bioinformatics*. 18(1):341. (IF: 2.45)

17. **Liva E<sup>§</sup>**, Panagiotou I, **Palikyras S<sup>u</sup>**, Parpa E, Tsilika E, **Paschou P**, Mystakidou K. Candidate gene investigation of spinal degenerative osteoarthritis in Greek population. *Spine J.* 2017 Dec;17(12):1881-1888. (IF: 3.02)
18. Stamatoyannopoulos G, **Bose A<sup>§</sup>**, Teodosiadis A, **Tsetsos F<sup>§</sup>**, Plantinga A, Psatha N, Zogas N, Yannaki E, Zalloua P, Kidd KK, Browning BL, Stamatoyannopoulos J, **Paschou P**, Drineas P (2017). Genetics of the peloponnesean populations and the theory of extinction of the medieval peloponnesean Greeks. *Eur J Hum Genet* 25(5):637-645. (IF: 4.35)
19. Robertson MM, Eapen V, Singer HS, Martino D, Scharf JM, **Paschou P**, Roessner V, Woods DW, Hariz M, Mathews CA, Črnčec R, Leckman JF (2017). Gilles de la Tourette syndrome. *Nat Rev Dis Primers* Feb 2;3:16097. (Invited review) (IF: 6.39)
20. Le Guennec K, Quenez O, Nicolas G, Wallon D, Rousseau S, Richard AC, **Alexander J<sup>§</sup>**, **Paschou P**, Charbonnier C, Bellenguez C, Grenier-Boley B, Lechner D, Bihoreau MT, Olaso R, Boland A, Meyer V, Deleuze JF, Amouyel P, Munter HM, Bourque G, Lathrop M, Frebourg T, Redon R, Letenneur L, Dartigues JF, Martinaud O, Kalev O, Mehrabian S, Traykov L, Ströbel T, Le Ber I, Caroppo P, Epelbaum S, Jonveaux T, Pasquier F, Rollin-Sillaire A, Génin E, Guyant-Maréchal L, Kovacs GG, Lambert JC, Hannequin D, Campion D, Rovelet-Lecrux A (2017). 17q21.31 duplication causes prominent tau-related dementia with increased MAPT expression. *Mol Psychiatry.* 22(8):1119-1125. (IF: 13.20)
21. **Padmanabhuni SS<sup>§</sup>**, **Houssari R<sup>§</sup>**, Esserlind AL, Olesen J, Werge TM, Hansen TF, Bertelsen B, **Tsetsos F<sup>§</sup>**, **Paschou P**, Tümer Z (2016). Investigation of SNP rs2060546 Immediately Upstream to NTN4 in a Danish Gilles de la Tourette Syndrome Cohort. *Front Neurosci* 10:531. (IF: 3.56)
22. **Alexander J<sup>§</sup>**, **Potamianou H<sup>u</sup>**, Xing J, Deng L, **Karagiannidis I<sup>§</sup>**, **Tsetsos F<sup>§</sup>**, Drineas P, Tarnok Z, Rizzo R, Wolanczyk T, Farkas L, Nagy P, Szymanska U, Androutsos C, Tsironi V, Koumoula A, Barta C; TSGeneSEE, Sandor P, Barr CL, Tischfield J, **Paschou P**, Heiman GA, **Georgitsi M<sup>P</sup>** (2016). Targeted Re-Sequencing Approach of Candidate Genes Implicates Rare Potentially Functional Variants in Tourette Syndrome Etiology. *Front Neurosci* 10:428. (IF: 3.56)
23. Forde NJ, Kanaan AS, Widomska J, **Padmanabhuni SS<sup>§</sup>**, Nespoli E, **Alexander J<sup>§</sup>**, Rodriguez Arranz JI, Fan S, Houssari R, Nawaz MS, Rizzo F, Pagliaroli L, Zilhão NR, Aranyi T, Barta C, Boeckers TM, Boomsma DI, Buisman WR, Buitelaar JK, Cath D, Dietrich A, Driessen N, Drineas P, Dunlap M, Gerasch S, Glennon J, Hengerer B, van den Heuvel OA, Jespersgaard C, Möller HE, Müller-Vahl KR, Openner TJ, Poelmans G, Pouwels PJ, Scharf JM, Stefansson H, Tümer Z, Veltman DJ, van der Werf YD, Hoekstra PJ, Ludolph A, **Paschou P<sup>\*</sup>** (2016). TS-EUROTRAIN: A European-Wide Investigation and Training Network on the Etiology and Pathophysiology of Gilles de la Tourette Syndrome. *Front Neurosci.* Aug 23;10:384. (IF: 3.56)
24. **Georgitsi M<sup>P</sup>**, Willsey AJ, Mathews CA, State M<sup>\*</sup>, Scharf JM<sup>\*</sup>, **Paschou P<sup>\*</sup>** (2016). The Genetic Etiology of Tourette Syndrome: Large-Scale Collaborative Efforts on the Precipice of Discovery. *Front Neurosci.* Aug 3;10:351. (IF: 3.56)
25. **Tsetsos F<sup>§</sup>**, **Padmanabhuni SS<sup>§</sup>**, **Alexander J<sup>§</sup>**, **Karagiannidis I<sup>§</sup>**, **Tsifintaris M<sup>u</sup>**, **Topaloudi A<sup>u</sup>**, **Mantzaris D<sup>P</sup>**, Georgitsi M, Drineas P, **Paschou P<sup>\*</sup>** (2016). Meta-Analysis of Tourette Syndrome and Attention Deficit Hyperactivity Disorder Provides Support for a Shared Genetic Basis. *Front Neurosci.* Jul 22;10:340. (IF: 3.56)
26. **Paschou P<sup>\*</sup>** (2016). Comment: Dissecting the genetic architecture of Tourette syndrome into subphenotypes. *Neurology.* 2016 Aug 2;87(5):503. Invited comment (IF:8.32)

27. **Karagiannidis I<sup>§</sup>, Tsetsos F<sup>§</sup>, Padmanabhuni SS<sup>§</sup>, Alexander J<sup>§</sup>**, Georgitsi M, **Paschou P\*** (2016). The Genetics of Gilles de la Tourette Syndrome: a Common Aetiological Basis with Comorbid Disorders? *Current Behavioral Neuroscience Reports* 3: 218-231.
28. **Alexander J<sup>§</sup>**, Kalev O, Mehrabian S, Traykov L, Raycheva M, Kanakis D, Drineas P, Lutz MI, Ströbel T, Penz T, Schuster M, Bock C, Ferrer I, **Paschou P\***, Kovacs GG\* (2016). Familial early-onset dementia with complex neuropathologic phenotype and genomic background. *Neurobiol Aging* 42:199-204. (IF: 5.15)
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36. **Karagiannidis I<sup>§</sup>**, Dehning S, Sandor P, Tarnok Z, Rizzo R, Wolanczyk T, Madruga-Garrido M, Hebebrand J, Nöthen MM, Lehmkuhl G, Farkas L, Nagy P, Szymanska U, Anastasiou Z, Stathias V, Androutsos C, Tsironi V, Koumoula A, Barta C, Zill P, Mir P, Müller N, Barr C, **Paschou P\*** (2013). Support of the histaminergic hypothesis in Tourette syndrome: association of the histamine decarboxylase gene in a large sample of families. *J Med Genet* 50(11):760-764. (IF: 5.45) **Editor's choice**



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### C. Pre-prints under peer review

1. Tsetsos F<sup>P</sup>, Yu D, PGC TS/OCD Working Group, Coppola G, Mathews C, Scharf J, **Paschou P\***. Synaptic processes and immune-related pathways implicated in Tourette Syndrome (MedRXIV)
2. Bose A<sup>g</sup>, Burch MC, Chowdhury A, **Paschou P**, Drineas D. CluStrat: a structure informed clustering strategy for population stratification (BioRXIV)
3. Bose A<sup>g</sup>, Platt DE, Parida L, **Paschou P**, Drineas P. Dissecting Population Substructure in India via Correlation Optimization of Genetics and Geodemographics. *Genome Biology*, under review, 2019 (BioRXIV).
4. Yang Z<sup>g</sup>, Wu H<sup>g</sup>, ..., PGC neurodevelopmental disorders working group, **Paschou P\***. Cross-disorder GWAS meta-analysis for Attention Deficit/Hyperactivity Disorder, Autism Spectrum Disorder, Obsessive Compulsive Disorder, and Tourette Syndrome (BioRXIV).

### D. Book Chapters

1. **Tsetsos F<sup>P</sup>**, Drineas P, **Paschou P\*** (2019). Genetics and Population Analysis. In Elsevier Encyclopedia Of Bioinformatics and Computational Biology, Oxford: Elsevier.
2. **Paschou P**, Fernandez TV, Sharp F, Heiman GA, Hoekstra PJ. Genetic susceptibility and neurotransmitters in Tourette syndrome. *Int Rev Neurobiol.* 2013;112:155-177.
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### **E. Textbooks - scientific editing (Greek editions)**

1. Scientific editor of Greek edition - iGenetics. A Mendelian Approach. P.J. Russell. Academic Publishing 2009
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3. Scientific editor of Greek edition - Evolution. N.H. Barton, D.E.G. Briggs, J.A. Eisen, D.B. Goldstein, N.H. Patel. Utopia Publishing (in press)

### **F. Abstracts**

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2. Yang Z, Bose A, Drineas P, **Paschou P**. Methods for genotype-based risk prediction for complex neuropsychiatric disorders. 68<sup>TH</sup> Annual Meeting of The American Society of Human Genetics, October 2018, San Diego, California
3. Yang Z, Tsetsos F, **Paschou P**. Identifying a shared regulatory background for neurodevelopmental disorders through meta-analysis of genomewide association studies. 67th Annual Meeting of The American Society of Human Genetics, October 2017, Orlando, Florida
4. Bose A, Kalantzis V, Kontopoulou E, Elkady M, **Paschou P**, Drineas P. TeraPCA: A fast and scalable method to study genetic variation in tera-scale genotypes. October 20, 2017. 67th Annual Meeting of the American Society of Human Genetics, Orlando, Florida.
5. Bose A, Platt DE, Parida L, **Paschou P**, Drineas P. Genetic Variation reveals migrations into the Indian subcontinent and its influence on the Indian society. 66th Annual Meeting of the American Society of Human Genetics, Vancouver, Canada.
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51. Sotiris G, Karagiannidis I, Stylianopoulou E, Skavdis G, Grigoriou M, **Paschou P**. The genetic structure of LIM-homeobox genes LHX6 and LHX8 in 11 HapMap populations. 62<sup>nd</sup> Pan-Hellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology, Athens, December 9-11, 2011.
52. Aslanidou P, Grigoriou E, Stathias V, Papatotiriou S, Karagiannidis I, **Paschou P**. Investigation of linkage disequilibrium patterns in schizophrenia susceptibility genes in eleven human populations from around the world. 62<sup>nd</sup> Pan-Hellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology, Athens, December 9-11, 2011.
53. Karagiannidis I, Tsigoti A, Stamboliou A, Papadopoulou V, Manolopoulos VG, Martinis G, Kidd JR, Kidd KK, **Paschou P**. The genetic structure of the Greek population in comparison with the European reference populations from the HapMap project. 61<sup>st</sup> Pan-Hellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology, Alexandroupolis, October 15-17, 2010 (***Platform Presentation Award***).
54. Tsigoti A, Karagiannidis I, Papadopoulou V, Stampoliou A, Papanas N, Yavropoulou M, Yovos I, Vargemezis V, **Paschou P**. Studying the genetic basis of type 2 diabetes mellitus in the Greek population. 60<sup>th</sup> Pan-Hellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology, Athens, November 20-22, 2009.
55. **Paschou P**, Malamitsi-Puchner A, Vazeou A et al. Genetic markers of Type 1 Diabetes and frequency differences in three European populations. 7<sup>th</sup> Panhellenic Diabetology Conference, Heraklion, 29 March- 1 April, 2001.



56. Bozas E, Sjöroos M, **Paschou P** et al. The genetic basis of IDDM incidence differences in Greece and Finland. 22<sup>nd</sup> Conference of the Hellenic Society for Biological Sciences, Skiathos, 25-28 May, 2000.

### **G. Invited Lectures**

#### **National and International Meetings:**

1. *Population Genetic Structure in the Mediterranean*. 4th National Congress of GENE THERAPY & REGENERATIVE MEDICINE, Athens, Greece, May 2019.
2. *The genetic etiology of Tourette Syndrome*. 2018 Annual Meeting of the European Society for the Study of Tourette Syndrome, Copenhagen, Denmark, June 2018
3. *Dissecting the etiology of Tourette Syndrome through large-scale genome, epigenome and transcriptome studies and cross-disorder analysis*. Talk in invited symposium. XXVth World Congress of Psychiatric Genetics, Orlando, USA, October 2017
4. *The genetic basis of Tourette Syndrome: Updates from large scale collaborative efforts*. Invited talk – 9<sup>th</sup> European Conference on Tourette Syndrome and Tic Disorders. Warsaw, Poland, June 2016.
5. *Studying the genetic history of Greek populations: Focus on Crete*. Invited talk - International Meeting «Ancient DNA analysis: A new view in the past», Heraklio, Greece, May, 2016.
6. *Studying the genetic basis of multifactorial disorders*. Invited talk – 66<sup>th</sup> Congress of the Hellenic Society for Biochemistry and Molecular Biology, Athens, 2015.
7. *The genetic etiology of Tourette Syndrome; Updates from large scale collaborative projects*. Plenary talk – 1<sup>st</sup> World Congress on Tourette Syndrome, London, 2015.
8. *Analyzing the genetic structure of Greeks*. 9<sup>th</sup> Panhellenic Conference of Bioscience, Athens, Greece, 2014.
9. *Opportunities and challenges for genomics research in Greece*. MIT Enterprise Forum Greece: Entrepreneurship and Innovation in Genomics and Biotechnology, Athens, Greece, 2013
10. *The genetic basis of Gilles de la Tourette Syndrome*. 2012 Annual Meeting of the European Society for the Study of TS, Catania, Italy, 2012.
11. *Investigating the genetic basis of Tourette Syndrome in European Populations. A multinational initiative*. World Congress for Psychiatric Genetics, Washington DC, 2011.
12. *The genetic structure of the Greek population in comparison with the European reference populations from the HapMap project*. Hellenic Society for Biochemistry and Molecular Biology, Alexandroupoli, Greece, 2010.
13. *The genetic basis of Gilles de la Tourette Syndrome*. XLIII Congress of Polish Psychiatrists, Poznan, Poland, 2010.
14. *Pan-European (and global) initiatives for the study of Tourette Syndrome*. 3rd meeting of the European Society for the Study of Tourette Syndrome, Dresden, Germany, 2009.
15. *An update on the genetics of Tourette Syndrome*. 2nd meeting of the European Society for the Study of Tourette Syndrome, Budapest, Hungary, 2009.
16. *Genetics of Gilles de la Tourette Syndrome*. 6th Panhellenic Conference of Child Psychiatry, Athens, Greece, 2009.
17. Paschou P, Mahoney M, Pakstis A, Kidd JR, Kidd KK, Drineas P. *Inter- and intrapopulation genotype reconstruction from tagging SNPs*. 56th Annual meeting of the American Society of Human Genetics, New Orleans, USA, 2006.

18. *Selection of genetic markers for complex trait association studies in worldwide populations.* 1st International Congress of Clinical and Molecular Genetics, Alexandroupoli, Greece, 2006.

### **Invited Talks at Regional Meetings and Workshops**

1. *The genetics of Mediterranean populations.* Invited talk at G. Stamatoyannopoulos Symposium, Seattle, September 17, 2019
2. *Data Science in Population Genetics.* Workshop on Algorithmic, Mathematical, and Statistical Foundations of Data Science and Applications, Purdue University, April 12-13, 2019
3. *The genetics of Tourette Syndrome.* Invited speaker at Greater Indiana Society for Neuroscience meeting, March 22, 2019
4. *Large scale collaborative studies for Tourette Syndrome.* Invited talk at Tourette Association of America Annual Meeting, April 8, 2019
5. *Genetics of Type 2 Diabetes. Current updates,* 26<sup>th</sup> Annual Conference of the Diabetology Society of Northern Greece, Thessaloniki, Greece, 2012
6. *Genetic mapping of multifactorial disease.* Genetics Symposium, National University of Athens, Athens, Greece, 2000.

### **Invited Seminars at Universities and Other Institutions**

1. *Tourette Genetics 2019.* Invited talk at Washington University St Louis, April 29, 2019
2. *Studying human genomic variation: from population history to health and disease.* Invited speaker - Purdue Ecolunch Seminar Series, West Lafayette, USA, February 2017.
3. *The genetic basis of Gilles de la Tourette Syndrome: Current updates.* Invited talk – University of Catania, School of Medicine, Catania, April, 2016.
4. *Genomic approach to human brain ageing.* Medical University of Vienna, Austria, 2014.
5. *Genetics of Gilles de la Tourette.* Sismanoglio General Hospital of Attica, Athens, Greece, 2009.
6. *Population structure via Principal Components Analysis.* University of California Los Angeles, Los Angeles, USA, 2007.
7. *PCA-correlated SNPs for structure identification in human worldwide populations.* Biomedical Research Foundation, Academy of Athens, Athens, Greece, 2007.
8. *Studying Human Genetic Variation.* Dept. of Molecular Biology and Genetics, Democritus University of Thrace, Alexandroupoli, Greece, 2005.
9. *Urea Cycle Disorders.* Clinical Genetics Rounds, Department of Genetics, Yale University, New Haven, USA, 2004.

## **F. Funding**

### **Current Awards**

1. NSF CISE/IIS/III Core - III: Small. Randomized Matrix-Sketching Approaches for Estimating Missing Heritability in Massive Population Genetics Datasets  
Duration of Funding: 9/1/2020- 8/31/2023  
Total amount of award: **\$500,000**  
Role: **Principal Investigator**

2. NINDS/ R01: *Large-scale collaborative genetic and epigenetic studies of Tourette Syndrome*  
Duration of Funding: 4/1/2019- 3/31/2024  
Total amount of award: **\$3,928,325**  
Role: **Principal Investigator (MPI)**
  
3. NSF CISE/IIS/III Core - III: *Small / Novel Statistical Data Analysis Approaches for Mining Human Genetics Datasets*  
Duration of Funding: 9/1/2017-8/31/2020  
Total amount of award: **\$500,000**  
Role: **Co-PI**  
Dr Paschou budget: **\$300,000**

### Past Awards

1. European Committee FP7-HEALTH, Cooperation / *EMTICS: European Multicentre Tics in Children Study*  
Duration of Funding: 2011-2018  
Total amount of award: **€6,000,000**  
Role: **Work Package Leader**  
If Co-PI, for how much of the total funding are you directly responsible: **€746,941**
  
2. European Committee FP7-PEOPLE, Marie Curie Initial Training Network / *TS-EUROTRAIN: Interdisciplinary training network for Tourette Syndrome; structuring European Training capacities for neurodevelopmental disorders*  
Duration of Funding: 2012-2016  
Total amount of award: **€3,000,000**  
Role: **Principal Investigator**
  
3. CAREER EXCELLENCE AWARD - ARISTEIA II – Co-funded by Greece and the European Union - *GENOMAP.GR: A genomic reference map of Greece. Studying the structure and history of Greek sub-populations and the Hellenic diaspora.*  
Duration of Funding: 2014-2015  
Total amount of award: **€165,000**  
Role: **Principal Investigator**
  
4. Greece-France Bilateral Cooperation Program – Co-funded by Greece and the European Union, NSRF / *TSGeneExpress: Investigating the role of the histaminergic pathway in the etiology of Gilles de la Tourette Syndrome.*  
Duration of Funding: 2014-2015  
Total amount of award: **€30,000**  
Role: **Principal Investigator**
  
5. THALIS program, Co-funded by Greece and the European Union, NSRF / *The genetic architecture of Type 2 Diabetes Mellitus in the Greek Population; Susceptibility, management, and prediction of complications*  
Duration of Funding: 2012-2015  
Total amount of award: **€599,800**  
Role: **Principal Investigator**
  
6. COST office – European Cooperation in Science and Technology / *Network for the Study of Gilles de la Tourette Syndrome*  
Duration of Funding: 2010-2014  
Total amount of award: **€400,000**

Role: **Principal Investigator**

7. Tourette Syndrome Association Research Grant Award / TSGeneSEE: *Genetics of Tourette Syndrome. The Southern and Eastern Europe initiative*  
Duration of Funding: 2009-2010  
Total amount of award: **\$74,970**  
Role: **Principal Investigator**
8. Tourette Syndrome Association Research Grant Award / TSGeneSEE: *Genetics of Tourette Syndrome. The Southern and Eastern Europe initiative*  
Duration of Funding: 2008-2009  
Total amount of award: **\$74,655**  
Role: **Principal Investigator**
9. European Commission, Seventh Framework Program / “*Strengthening regional bioresearch potential in Greece. Advanced performance at the Department of Molecular Biology and Genetics in Thrace*”  
Duration of Funding: 2008-2012  
Total amount of award: **€1,000,000**  
Role: **Work-Package Deputy Leader**
10. Tourette Syndrome Association Research Grant Award / *Fine mapping of 17q25 and other candidate susceptibility regions for Tourette Syndrome*  
Duration of Funding: 2004-2005  
Total amount of award: **\$73,308**  
Role: **Principal Investigator**
11. Tourette Syndrome Association Fellowship Award / *Fine mapping of 17q25 and other candidate susceptibility regions for Tourette Syndrome*  
Duration of Funding: 2003-2004  
Total amount of award: **\$40,000**  
Role: **Principal Investigator**

### III. TEACHING AND MENTORING

#### A. Teaching Assignments at Purdue

<b>Semester</b>	<b>Year</b>	<b>Course #</b>	<b>Title, Credit, Type</b>	<b>Enroll.</b>	<b>Student Classification</b>
Fall	2019	BIOL 69500	Neurological and Neuropsychiatric Disorders Lecture/Seminar (2cr)	13	Graduate
Fall	2018	BIOL 69500	Neurological and Neuropsychiatric Disorders Lecture/Seminar (2cr)	18	Graduate
Fall	2018	BIOL 44400	Human Genetics (2cr), Lecture	50	Junior/Senior
Fall	2017	BIOL 44400	Human Genetics (2cr), Lecture	47	Junior/Senior

B. Other Teaching Experience:

Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece

<b>Semester/Year</b>	<b>Course</b>	<b>Credits</b>	<b>Average Enroll.</b>
Fall 2011- Fall 2015	Population Genetics (undergraduate)	5	90
Spring 2011- Spring 2015	Genetics (undergraduate)	6	120
Spring 2014- Spring 2016	Bioethics/Clinical Trials (Graduate course)	2	15
Fall 2014-2015	Genomics (Graduate course)	2	15

C. Graduate Students

**Current Graduate Students (major Professor)**

Student name	Degree/Date entered
Pritesh Jain	PhD/2018
Zhiyu Yang	PhD/2016
Apostolia Topaloudi	PhD/2017
Hanrui Wu	MS/2016

**Past Graduate Students (major Professor)**

Student name	Degree/Date graduated
Aritra Bose	2019/PhD
Shanmukha Padmanabhuni	2017/PhD
John Alexander	2016/PhD
Fotis Tsetsos	2017/PhD
Iordanis Karagiannidis	2017/PhD
Emmanuella Vogiatzi	2012/PhD

**Current Graduate Students (committee member)**

Student name	Degree
Mai Elkady	PhD
Aashish Jain	PhD

Eleni Liva	PhD
Xanthi Tsekmekidou	PhD
Matina Symeonidi	PhD
Myson Burch	PhD

### **Past Graduate Students (committee member)**

Student name	Date graduated/Degree
Electra Stylianopoulou (DUTH)	2015/PhD
Jamey Lewis (RPI)	2010/PhD
Chrysi Tsirikoni	2009/PhD
Asif Javed (RPI)	2008/PhD
Loukas Damianos (DUTH)	2007/PhD

### **Past Postdocs**

Student name
Shanmukha Padmanabhuni (Purdue)
Yogesh Kumar (Purdue)
Dimitris Mantzaris (DUTH)
Marianthi Georgitsi (DUTH)

### **Current Undergraduate Researchers**

Student name
Melanie Martinez
Alyssa Flint
Zaid Al Haddadin
Sydney Pedigo
Lauren Holly Price

### **Past Undergraduate Researchers at Purdue**

Student name
Cameron Locker
Marguerite Stonier
Bailey Kamp
Kate Phelps
Cameron Locker

### **Undergraduate Diploma Thesis Supervisor**

1. Athina Dritsoula, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2008)
2. Petros Fragoulis, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2008)

3. George Papachristodoulou, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2008)
4. Aggeliki Tsirigoti, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2009)
5. Iordanis Karagiannidis, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2009)
6. Vasiliki Papadopoulou, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2009)
7. Albiona Stamboliou, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2009)
8. Georgia Pantidou, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2010)
9. Grigorios Panteloglou, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2010)
10. Athina Gianakkara, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2010)
11. Chronis Kemos, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2010)
12. Sotiris Kleidonas, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2011)
13. Zachos Anastasiou, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2011)
14. George Sotiris, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2011)
15. Panagiota Ligda, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2011)
16. Eleni Grigoriou, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2012)
17. Paraskevi Aslanidou, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2012)
18. Spyros Papatiririou, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2012)
19. Vasilis Stathias, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2012)
20. Papagiannakopoulou Eleana, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2013)
21. Asimena Athousaki, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2013)
22. Leyla Basgül – *Erasmus Program – Istanbul Technical University, Dept. of Molecular Biology and Genetics* (2013)
23. Spyros Palikyras, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2013)
24. Hera Potamianou, Dept. of Molecular Biology and Genetics Democritus University of Thrace; co-supervision (2013)
25. Trivyakis George, Dept. of Molecular Biology and Genetics Democritus University of Thrace; co-supervision (2013)

26. Stylianos Laparidis, Dept. of Molecular Biology and Genetics Democritus University of Thrac; co-supervision (2014)
27. Spyros Karaiskos, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2014)
28. Kalliopi Ioumpa, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2014)
29. Xanthippi Tsimourtakidou, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2014)
30. Melina Mitsiogianni, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2014)

***Student Awards:***

*Graduate Students - Awards*

1. Shanmukha Padmanabhuni - 2018 Purdue Postdoctoral Mentoring Award - Honorable Mention
2. Zhiyu Yang, 2018 Purdue Institute for Integrative Neuroscience Travel Grant to present at the American Society for Human Genetics Annual Meeting
3. Apostolia Topaloudi, 2018 Gerondelis Foundation Scholarship
4. Fotis Tsetsos - 2018 WHBA Fellowship, Fellowship to attend the 7th World Hellenic Biomedical Association Summer School
5. Fotis Tsetsos - 2016 ASHG Travel Award, Travel Award for the 2016 HackSeq Genomics Hackathon in Vancouver, sponsored by ASHG.
6. Fotis Tsetsos - 2016 Fulbright Fellowship, Fellowship for Greek students pursuing graduate studies in the US, The Fulbright Foundation in Greece and U.S.A.
7. Fotis Tsetsos - 2016 WHBA Fellowship, Fellowship to attend the 5th World Hellenic Biomedical Association Summer School
8. Fotis Tsetsos - 2016 Best poster award, Tsetsos et al "Meta-analysis of Tourette Syndrome and Attention Deficit Hyperactivity Disorder provides support for a shared genetic basis", 9th European Conference on Tourette Syndrome and Tic Disorders, Warsaw, Poland.
9. Iordanis Karagiannidis - 2015 Early Career Investigator Award, Award and Travel Grant, International Society of Psychiatric Genetics, Toronto, Canada
10. John Alexander - 2015 Best poster award, Alexander et al "Network analysis on Tourette Syndrome associated genes using genomewide data", 1st World Congress on Tourette Syndrome & Tic Disorders, London, United Kingdom.
11. Karagiannidis I, Anastasiou Z, Stathias V, Ligda P, Sandor P, Dehning S, Zill P, Hebebrand J, Noethen M, Lehmkuhl G, Tarnok Z, Barta C, Madruga-Garrido M, Mir P, Szymanska U, Wolanczyk T, Rizzo R, Mueller N, Barr C, Paschou P. The Histidine Decarboxylase Gene is associated with Gilles de la Tourette Syndrome in a large sample of trios. XXth World Congress on Psychiatric Genetics, Hamburg, October 14-18, 2012 (selected as one of the top three poster presentations).
12. Fotis Tsetsos - 2014 Second best poster award, Tsetsos et al "Investigating the genetic architecture of Diabetes Mellitus type 2 on the Greek population: Implications for future research", 65th Conference of the Hellenic Society of Biochemistry and Molecular Biology, Thessaloniki, Greece.



13. Fotis Tsetos - 2013 Best poster award, Tsetos et al "The CDKAL1 gene in association with Diabetes Mellitus Type 2 in Greece and Worldwide", 1st Conference of the Hellenic Association of Medical Geneticists, Athens, Greece.
14. Fotis Tsetos - 2013 Bodossaki Foundation Scholarship for Doctoral Studies, The Bodossaki Foundation scholarship aims to aid outstanding students, undergraduates and postgraduates, carry on their postgraduate studies in Greece or abroad in various academic fields.
15. John Alexander - 2013 Fellowship by the European Society of Human Genetics, in collaboration with the European School of Genetic Medicine for the Course in Next Generation Sequencing, European Society of Human Genetics
16. Iordanis Karagiannidis - 2012 Early Career Investigator Award, Award and Travel Grant, International Society of Psychiatric Genetics, Hamburg, Germany
17. Iordanis Karagiannidis - 2011 Short Term Scientific Mission Award: COST Action BM0905: "European Network for the Study of Gilles de la Tourette Syndrome", Investigation of the implication of candidate CNVs in the etiology of Tourette Syndrome.
18. Iordanis Karagiannidis - 2010 ESHG Travel Fellowship: Course of the European Society of Human Genetics: Introduction to the Genetic Epidemiology of Complex Diseases, CHU du Kremlin Bicêtre, Faculté de Médecine Paris-Sud, Paris, France

Undergraduate Students - Awards

1. Anagnostou Foteini - 2014 Third best poster award, Anagnostou et al "Investigating ancient DNA and its implications in the modern human genomic landscape", 65th Conference of the Hellenic Society of Biochemistry and Molecular Biology, Thessaloniki, Greece.
2. Papagiannakopoulou Eleana, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2013) - Short Term Scientific Mission Fellowship (COST Action) to visit the Dept. of Medical Chemistry, Molecular Biology and Pathobiochemistry Semmelweis University, Hungary
3. Asimena Athousaki, Dept. of Molecular Biology and Genetics Democritus University of Thrace (2013) –Short Term Scientific Mission Fellowship (COST Action) to visit Applied Human Molecular Genetics Center, Kennedy Center, Denmark

**Participation in Training and Mentoring Programs**

- 2012-2016**     *Training Grant Coordinator:* TS-EUROTRAIN: Interdisciplinary training network for Tourette Syndrome; structuring European Training capacities for neurodevelopmental disorders." – Marie Curie Initial Training Network
- 2010-2014**     From the position of Chair of the EU-funded COST Action European Network for the Study of TS, Dr Paschou coordinated numerous training workshops as well as short-term scientific missions (training visits/exchanges) of young investigators across different European countries
- 2017-**             Purdue Horizons Program Faculty Mentor
- 2018-**             Purdue Beerling Scholars Faculty Mentor

## IV. ENGAGEMENT AND SERVICE

### B. Department of Biological Sciences, Purdue University

- 2019-2020** Faculty Search Committee – College of Science cluster hire – Data Science/Applications in the Life Sciences
- 2017-2018** Search Committee – Vector Ecologist position
- 2016-** Diversity Committee
- 2017-** Honors Committee
- 2016-** Promotions Primary Committee
- 2016-** Neurobiology & Physiology Research Area
- 2016-** Structural and Computational Biology and Biophysics Research Area

### C. Purdue College of Science

- 2019-2020.1** Faculty Search Committee – Data Science cluster hire
- 2018-2019** Inaugural Frederick L. Hovde Dean’s Fellow
- 2017-** Elected Faculty Council Member
- 2018-2019** UCAP - Undergraduate Curriculum and Academic Policy
- 2017-** GCAP-Graduate Curriculum and Academic Policy

### D. Purdue University Committee Service

- 2018-2019** Showalter Research Awards Reviewer
- 2019-** Integrative Data Science Initiative Curriculum Committee Co-Chair

### E. Professional Service

#### 1. Grant Review

- 2020** National Institute of Neurological Disease and Stroke – GHD
- 2019** National Institute of Mental Health
- 2014** European Commission, call **Horizon 2020-PHC-2014-two-stage-Stage 1**
- 2014** European Commission, call **Horizon 2020-PHC-2014-two-stage-Stage 2**
- 2015** European Commission, call **Horizon 2020-PHC-2015-two-stage-Stage 1**

#### 2. Editorial Boards

- 2015** Editor – [Frontiers Research Topic: The Genetic Basis and Neurobiology of Tourette Syndrome \(33 articles included\)](#)
- 2012-** Academic Editor - PLOS ONE
- 2011-** Review Editor - Frontiers in Evolutionary and Population Genetics
- 2009-2015** Academic Editor - Journal of Medical Genetics

#### 3. Manuscript reviewer

1. American Journal of Human Genetics
2. Journal of Medical Genetics
3. Molecular Biology and Evolution
4. PLOS ONE
5. Annals of Human Genetics
6. American Journal of Medical Genetics

7. Journal of Human Genetics
8. American Journal of Psychiatry
9. Bioinformatics
10. Briefings in Bioinformatics
11. Molecular Ecology Resources
12. Archives of Oral Biology
13. British Journal of Clinical Pharmacology
14. European Child and Adolescent Psychiatry Journal
15. Frontiers in Neuroscience
16. Frontiers in Psychiatry

## **E. Other Engagement Activities**

### **Public Engagement and outreach**

- 2011-2017** Established (in 2011) and co-organized in 2011-2017 the Annual International meeting of Tourette Syndrome Support and Advocacy Groups with participation of TS patient groups from around the world
- 2011** Establishment of European Tourette Syndrome Awareness Day (June 7) (from the position of Chair of European Society for the Study of Tourette Syndrome)
- 2010-2014** As Chair of the EU-funded COST Action European Network for the Study of Tourette Syndrome, organized multiple workshops for the education of health professionals in Tourette Syndrome diagnosis, assessment and management in several European countries (Greece, France, Italy, Poland, UK, Spain)
- 2012-2016** Together with PhD students from the EU-funded TS-EUROTRAIN Training Program, published a semi-annual newsletter highlighting research developments in Tourette Syndrome research
- 2010-2017** Established and maintained website for the European Society for the Study of Tourette Syndrome

### **Scientific meetings – organizing committees**

- 2017** Proposer and Co-Chair of Symposium at XXVth World Congress for Psychiatric Genetics: Genetics of Gilles de la Tourette Syndrome: Accelerating discoveries through large-scale collaborative efforts. Orlando, USA, October 2017
- 2017** Member of the Program and Organizing Committee, Annual Meeting of the European Society for the Study of Tourette Syndrome, Seville, Spain, 2017
- 2016** Member of the Program and Organizing Committee, Annual Meeting of the European Society for the Study of Tourette Syndrome, Warsaw, Poland, 2016
- 2015** Co-Chair of Scientific Committee, 1<sup>ST</sup> World Congress on Tourette Syndrome and Tic Disorders, 2015
- 2014** Chair of the Program and Organizing Committee, Annual Meeting of the European Society for the Study of Tourette Syndrome, Paris, France, 2014

- 2013** Chair of the Program and Organizing Committee, Annual Meeting of the European Society for the Study of Tourette Syndrome, Athens, Greece, 2013
- 2012** Chair of the Program and Organizing Committee, Annual Meeting of the European Society for the Study of Tourette Syndrome, Catania, Italy, 2012
- 2011** Chair of Program and Organizing Committee, International workshop on “Planning the future of Tourette Syndrome Genetics Studies”, Amsterdam, December 14, 2001
- 2008** Program Committee Chair – International workshop “The Genetic basis of Gilles de la Tourette Syndrome”, Athens, November 18, 2008
- 2001** Organizing Committee Member – 11<sup>th</sup> International Clinical Genetics Seminar: ”The genetics of Diabetes Mellitus”, Heraklion, June 9-14 2001.

**Membership of scientific societies**

American Society for Human Genetics

International Society for Psychiatric Genetics

European Society for the Study of Tourette Syndrome