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## BIOGRAPHICAL SKETCH

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<b>NAME</b> <b>Fotis Topouzis, MD</b>	<b>POSITION TITLE</b>  Associate Professor of Ophthalmology
	

### EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Democritus University of Thrace, Alexandroupolis	Thesis, Dr. Med	1990-1992	Psychophysics
University Paris VII, Paris, France	M.S.	1988-1990	Economic Sciences in Health
Aristotle University of Thessaloniki, Greece	M.D	1979-1986	Medicine

## A. POSITIONS AND HONORS

### Residency

1986-1990 Residency, Ophthalmology, "Saint-Antoine" Hospital, Paris, France and National Center of Ophthalmology "Quinze Vingts" Hospital, Paris, France

### Fellowships

7/1997-8/1998 Glaucoma Fellowship - Glaucoma Research Foundation Fellow, Visiting Assistant Professor, Jules Stein Eye Institute, University California Los Angeles, CA, U.S.A

1/1993-10/1993 Fellow ("Assistant specialiste des Hopitaux de Paris"), National Center of Ophthalmology "Quinze Vingts" Hospital, Paris, France

### Professional Experience

6/1999 - 10/2000 Consultant – Interim Director, Department of Ophthalmology, Papageorgiou General Hospital, Thessaloniki, Greece

8/1998 – 12/2000 University Associate, Department of Ophthalmology, AHEPA Hospital, Aristotle University of Thessaloniki, Thessaloniki, Greece.

### Current Academic position

9/2010-today: Associate Professor of Ophthalmology, Aristotle University of Thessaloniki, Department of Ophthalmology AHEPA Hospital, Thessaloniki, Greece

### Previous Academic Appointments

8/2005-9/2010: Assistant Professor of Ophthalmology, Aristotle University of Thessaloniki, Thessaloniki, Greece

- 11/2008-9/2010: Department of Ophthalmology AHEPA Hospital, Thessaloniki, Greece

- 8/2005- 11/2008 Department of Ophthalmology Papageorgiou Hospital, Thessaloniki, Greece

1/2001 – 7/2005: Lecturer in Ophthalmology, Aristotle University of Thessaloniki, Thessaloniki, Greece

- 7/2004-7/2005: Department of Ophthalmology Papageorgiou Hospital, Thessaloniki, Greece

- 1/2001-7/2004: Department of Ophthalmology, AHEPA Hospital, Thessaloniki, Greece

11/1993-6/1997 Attending (407/80) as Assistant Professor, Department of Ophthalmology, Democritus University of Thrace, Alexandroupolis, Greece

### **Honors and Awards**

2013 Award for best original paper presented, Greek Society of Ophthalmology Annual Meeting  
1997-1999 Post-Doctoral Award, Aristotle University of Thessaloniki, Thessaloniki, Greece  
1997-1998 Shaffer International Fellowship Award, Glaucoma Research Foundation, San Francisco, CA  
1988-1989 Distinguished foreign resident, College of Medicine of the Hospitals in Paris Award, "College de Medecine des Hopitaux de Paris", Paris, France

### **B. KEY ACHIEVEMENTS/RECOGNITIONS**

- Head and Founder of the Laboratory of Research and Clinical Applications in Ophthalmology, Department of Ophthalmology, Aristotle University of Thessaloniki, Greece.
- Principal Investigator of the Thessaloniki Eye Study, the largest population based study of open-angle glaucoma and age related macular degeneration in Greece and one of the largest in Europe
- Principal Investigator in the EUREYE STUDY, a multicenter epidemiological study of age related macular degeneration across Europe.
- Member of the European Glaucoma Society (EGS) Executive Committee
- Secretary of GlaucoGENE, a special interest group of the EGS
- Co-chair of the World Glaucoma Association (WGA) Committee on Guidelines for Reporting and Publishing
- Co-chair of the WGA Screening Consensus Meeting, Mai 2008, Fort Lauderdale, Florida, USA
- Chair of European Glaucoma Society Program Planning Committee
- Member of the International Council of Ophthalmology Residency Curriculum panel
- Member of the International Council of Ophthalmology Glaucoma Fellowship Curriculum panel
- Elected member Glaucoma Research Society

### **C. PUBLICATIONS (Peer-reviewed)**

1. Kymionis GD, Plaka AD, Diakonis VF, Grentzelos MA, Kontadakis GA, Mersinoglou AC, Detorakis ET, **Topouzis F**. Cross-linking as an adjuvant treatment for tectonic corneal lamellar graft preparation. *Open Ophthalmol J*. 2013;7:79-81.
2. Blue Mountains Eye Study (BMES); Wellcome Trust Case Control Consortium 2 (WTCCC2). Genome-wide association study of intraocular pressure identifies the GLCCI1/ICA1 region as a glaucoma susceptibility locus. *Hum Mol Genet*. 2013;22(22):4653-60.
3. van der Schoot J, Reus NJ, Garway-Heath DF, Saarela V, Anton A, Bron AM, Faschinger C, Holló G, Iester M, Jonas JB, **Topouzis F**, Zeyen TG, Lemij HG. Accuracy of matching optic discs with visual fields: the European Structure and Function Assessment Trial (ESAFAT). *Ophthalmology*. 2013;120(12):2470-5.
4. Stambolian D, Wojciechowski R, Oexle K, Pirastu M, Li X, Raffel LJ, Cotch MF, Chew EY, Klein B, Klein R, Wong TY, Simpson CL, Klaver CC, van Duijn CM, Verhoeven VJ, Baird PN, Vitart V, Paterson AD, Mitchell P, Saw SM, Fossarello M, Kazmierkiewicz K, Murgia F, Portas L, Schache M, Richardson A, Xie J, Wang JJ, Rochtchina E; DCCT/EDIC Research Group, Viswanathan AC, Hayward C, Wright AF, Polasek O, Campbell H, Rudan I, Oostra BA, Uitterlinden AG, Hofman A, Rivadeneira F, Amin N, Karssen LC, Vingerling JR, Hosseini SM, Döring A, Bettecken T, Vataavuk Z, Gieger C, Wichmann HE, Wilson JF, Fleck B, Foster PJ, **Topouzis F**, McGuffin P, Sim X, Inouye M, Holliday EG, Attia J, Scott RJ, Rotter JI, Meitinger T, Bailey-Wilson JE. Meta-analysis of genome-wide association studies in five cohorts reveals common variants in RBOX1, a regulator of tissue-specific splicing, associated with refractive error. *Hum Mol Genet*. 2013;22(13):2754-64.
5. **Topouzis F**, Wilson MR, Harris A, Founti P, Yu F, Anastasopoulos E, Pappas T, Koskosas A, Salonikiou A, Coleman AL. Association of open-angle glaucoma with perfusion pressure status in the Thessaloniki Eye Study. *Am J Ophthalmol*. 2013;155(5):843-51.
6. Bhattacharya SK, Lee RK, Grus FH; Seventh ARVO/Pfizer Ophthalmics Research Institute Conference Working Group. Molecular biomarkers in glaucoma. *Invest Ophthalmol Vis Sci*. 2013;54(1):121-31.

7. Schache M, Richardson AJ, Mitchell P, Wang JJ, Rochtchina E, Viswanathan AC, Wong TY, Saw SM, **Topouzis F**, Xie J, Sim X, Holliday EG, Attia J, Scott RJ, Baird PN. Genetic association of refractive error and axial length with 15q14 but not 15q25 in the Blue Mountains Eye Study cohort. *Ophthalmology*. 2013;120(2):292-7.
8. Chakravarthy U, McKay GJ, de Jong PT, Rahu M, Seland J, Soubrane G, Tomazzoli L, **Topouzis F**, Vingerling JR, Vioque J, Young IS, Sofat R, Hingorani AD, Fletcher AE. ARMS2 increases the risk of early and late age-related macular degeneration in the European Eye Study. *Ophthalmology*. 2013;120(2):342-8.
9. Woodside JV, Young IS, Gilchrist SE, Vioque J, Chakravarthy U, de Jong PT, Rahu M, Seland J, Soubrane G, Tomazzoli L, **Topouzis F**, Vingerling JR, Fletcher AE. Factors associated with serum/plasma concentrations of vitamins A, C, E and carotenoids in older people throughout Europe: the EUREYE study. *Eur J Nutr*. 2013;52(5):1493-501.
10. Anastasopoulos E, Kakoulidou A, Coleman AL, Sinsheimer JS, Wilson MR, Yu F, Salonikiou A, Koskosas A, Pappas T, Founti P, Lambropoulos A, **Topouzis F**. Association of Sequence Variation in the CX3CR1 Gene with Geographic Atrophy Age-related Macular Degeneration in a Greek Population. *Curr Eye Res*. 2012;37:1148-55.
11. van Koolwijk LM, Ramdas WD, Ikram MK, Jansonius NM, Pasutto F, Hysi PG, Macgregor S, Janssen SF, Hewitt AW, Viswanathan AC, ten Brink JB, Hosseini SM, Amin N, Despriet DD, Willemse-Assink JJ, Kramer R, Rivadeneira F, Struchalin M, Aulchenko YS, Weisschuh N, Zenkel M, Mardin CY, Gramer E, Welge-Lüssen U, Montgomery GW, Carbonaro F, Young TL; DCCT/EDIC Research Group, Bellenguez C, McGuffin P, Foster PJ, **Topouzis F**, Mitchell P, Wang JJ, Wong TY, Czudowska MA, Hofman A, Uitterlinden AG, Wolfs RC, de Jong PT, Oostra BA, Paterson AD; Wellcome Trust Case Control Consortium 2, Mackey DA, Bergen AA, Reis A, Hammond CJ, Vingerling JR, Lemij HG, Klaver CC, van Duijn CM. Common genetic determinants of intraocular pressure and primary open-angle glaucoma. *PLoS Genet*. 2012;8(5):e1002611.
12. Harris A, **Topouzis F**, Wilson MR, Founti P, Kheradiya NS, Anastasopoulos E, Gong G, Yu F, Jonescu-Cuypers CP, Pappas T, Koskosas A, Coleman AL. Association of the Optic Disc Structure With the Use of Antihypertensive Medications: The Thessaloniki Eye Study. *J Glaucoma*. 2013 Sep;22(7):526-31.
13. Yau JW, Rogers SL, Kawasaki R, Lamoureux EL, Kowalski JW, Bek T, Chen SJ, Dekker JM, Fletcher A, Grauslund J, Haffner S, Hamman RF, Ikram MK, Kayama T, Klein BE, Klein R, Krishnaiah S, Mayurasakorn K, O'Hare JP, Orchard TJ, Porta M, Rema M, Roy MS, Sharma T, Shaw J, Taylor H, Tielsch JM, Varma R, Wang JJ, Wang N, West S, Xu L, Yasuda M, Zhang X, Mitchell P, Wong TY; Meta-Analysis for Eye Disease (META-EYE) Study Group. Global prevalence and major risk factors of diabetic retinopathy. *Diabetes Care*. 2012;35:556-64.
14. Tsolaki F, Gogaki E, Sakkias F, Skatharoudi C, Lopatzizi C, Tsouloupoulos V, Lampoura S, **Topouzis F**, Tsolaki M, Kountouras J. Helicobacter pylori infection and primary open-angle glaucoma: is there a connection? *Clin Ophthalmol*. 2012;6:45-7.
15. Sofat R, Casas JP, Webster AR, Bird AC, Mann SS, Yates JR, Moore AT, Sepp T, Cipriani V, Bunce C, Khan JC, Shahid H, Swaroop A, Abecasis G, Branham KE, Zarepari S, Bergen AA, Klaver CC, Baas DC, Zhang K, Chen Y, Gibbs D, Weber BH, Keilhauer CN, Fritsche LG, Lotery A, Cree AJ, Griffiths HL, Bhattacharya SS, Chen LL, Jenkins SA, Peto T, Lathrop M, Leveillard T, Gorin MB, Weeks DE, Ortube MC, Ferrell RE, Jakobsdottir J, Conley YP, Rahu M, Seland JH, Soubrane G, **Topouzis F**, Vioque J, Tomazzoli L, Young I, Whittaker J, Chakravarthy U, de Jong PT, Smeeth L, Fletcher A, Hingorani AD. Complement factor H genetic variant and age-related macular degeneration: effect size, modifiers and relationship to disease subtype. *Int J Epidemiol*. 2012;41:250-62.
16. Mandalos A, Anastasopoulos E, Makris L, Dervenis N, Kilintzis V, **Topouzis F**. Inter-examiner Reproducibility of Ocular Response Analyzer Using the Waveform Score Quality Index in Healthy Subjects. *J Glaucoma*. 2011 Sep 22.
17. Founti P, Harris A, Papadopoulou D, Emmanouilidis P, Siesky B, Kilintzis V, Anastasopoulos E, Salonikiou A, Pappas T, **Topouzis F**. Agreement among three examiners of colour Doppler imaging retrobulbar blood flow velocity measurements. *Acta Ophthalmol*. 2011;89:e631-4.
18. de Jong PT, Chakravarthy U, Rahu M, Seland J, Soubrane G, **Topouzis F**, Vingerling JR, Vioque J, Young I, Fletcher AE. Associations between aspirin use and aging macula disorder: the European Eye Study. *Ophthalmology*. 2012;119:112-8.
19. McKay GJ, Patterson CC, Chakravarthy U, Dasari S, Klaver CC, Vingerling JR, Ho L, de Jong PT, Fletcher AE, Young IS, Seland JH, Rahu M, Soubrane G, Tomazzoli L, **Topouzis F**, Vioque J, Hingorani AD, Sofat R, Dean M, Sawitzke J, Seddon JM, Peter I, Webster AR, Moore AT, Yates JR, Cipriani V, Fritsche LG, Weber BH, Keilhauer CN, Lotery AJ, Ennis S, Klein ML, Francis PJ, Stambolian D, Orlin A, Gorin MB, Weeks DE, Kuo CL, Swaroop A, Othman M, Kanda A, Chen W, Abecasis GR, Wright AF, Hayward C, Baird PN, Guymer RH, Attia J, Thakkeestian

- A, Silvestri G. Evidence of association of APOE with age-related macular degeneration: a pooled analysis of 15 studies. *Hum Mutat.* 2011;32:1407-16.
20. Walsh S, Wollstein A, Liu F, Chakravarthy U, Rahu M, Seland JH, Soubrane G, Tomazzoli L, **Topouzis F**, Vingerling JR, Vioque J, Fletcher AE, Ballantyne KN, Kayser M. DNA-based eye colour prediction across Europe with the IrisPlex system. *Forensic Sci Int Genet.* 2012;6:330-40.
  21. Tsolaki F, Gogaki E, Tiganita S, Skatharoudi C, Lopatzizi C, **Topouzis F**, Tsolaki M. Alzheimer's disease and primary open-angle glaucoma: is there a connection? *Clin Ophthalmol.* 2011;5:887-90.
  22. **Topouzis F**, Wilson MR, Harris A, Founti P, Yu F, Anastasopoulos E, Pappas T, Koskosas A, Salonikiou A, Coleman AL. Risk factors for primary open-angle glaucoma and pseudoexfoliative glaucoma in the Thessaloniki eye study. *Am J Ophthalmol.* 2011;152:219-28.
  23. McKay GJ, Silvestri G, Chakravarthy U, Dasari S, Fritsche LG, Weber BH, Keilhauer CN, Klein ML, Francis PJ, Klaver CC, Vingerling JR, Ho L, De Jong PT, Dean M, Sawitzke J, Baird PN, Guymer RH, Stambolian D, Orlin A, Seddon JM, Peter I, Wright AF, Hayward C, Lotery AJ, Ennis S, Gorin MB, Weeks DE, Kuo CL, Hingorani AD, Sofat R, Cipriani V, Swaroop A, Othman M, Kanda A, Chen W, Abecasis GR, Yates JR, Webster AR, Moore AT, Seland JH, Rahu M, Soubrane G, Tomazzoli L, **Topouzis F**, Vioque J, Young IS, Fletcher AE, Patterson CC. Variations in apolipoprotein E frequency with age in a pooled analysis of a large group of older people. *Am J Epidemiol.* 2011;173:1357-64.
  24. Mataftsi A, Fragkou A, Vezyri E, **Topouzis F**, Diza E, Dimitrakos SA. Unusual toxoplasmic chorioretinitis in advanced age: a diagnostic problem. *Semin Ophthalmol.* 2011;26:4-6.
  25. Kilintzis V, Pappas T, Chouvarda I, Salonikiou A, Maglaveras N, Dimitrakos S, **Topouzis F**. Novel Heidelberg Retina Tomograph based Morphological Parameters derived from optic disc cupping surface processing. *Invest Ophthalmol Vis Sci.* 2011;52:947-51.
  26. Anastasopoulos E, **Topouzis F**, Wilson MR, Harris A, Pappas T, Yu F, Koskosas A, Founti P, Coleman AL. Characteristics of Pseudoexfoliation in the Thessaloniki Eye Study. *J Glaucoma.* 2011;20:160-6.
  27. Reus NJ, Lemij HG, Garway-Heath DF, Airaksinen PJ, Anton A, Bron AM, Faschinger C, Holló G, Iester M, Jonas JB, Mistlberger A, **Topouzis F**, Zeyen TG. Clinical Assessment of Stereoscopic Optic Disc Photographs for Glaucoma: The European Optic Disc Assessment Trial. *Ophthalmology.* 2010;117:717-23.
  28. Seland JH, Vingerling JR, Augood CA, Bentham G, Chakravarthy U, Dejong PT, Rahu M, Soubrane G, Tomazzoli L, **Topouzis F**, Fletcher AE. Visual Impairment and quality of life in the Older European Population, the EUREYE study. *Acta Ophthalmol.* 2011;89:608-13.
  29. **Topouzis F**, Founti P. Weighing in ocular perfusion pressure in managing glaucoma. *Open Ophthalmol J.* 2009;3:43-5.
  30. **Topouzis F**, Anastasopoulos E. Incidence of pseudoexfoliation syndrome. *Am J Ophthalmol.* 2009;148:181-2.
  31. **Topouzis F**, Anastasopoulos E, Augood C, Bentham GC, Chakravarthy U, de Jong PT, Rahu M, Seland J, Soubrane G, Tomazzoli L, Vingerling JR, Vioque J, Young IS, Fletcher AE. Association of diabetes with age-related macular degeneration in the EUREYE study. *Br J Ophthalmol.* 2009;93:1037-41.
  32. **Topouzis F**, Harris A, Wilson MR, Koskosas A, Founti P, Yu F, Anastasopoulos E, Pappas T, Coleman AL. Increased likelihood of glaucoma at the same screening intraocular pressure in subjects with pseudoexfoliation: the Thessaloniki Eye Study. *Am J Ophthalmol.* 2009;148:606-13.
  33. Appropriateness of Treating Glaucoma Suspects RAND Study Group. For which glaucoma suspects is it appropriate to initiate treatment? *Ophthalmology.* 2009;116:710-6.
  34. Founti P, **Topouzis F**, van Koolwijk L, Traverso CE, Pfeiffer N, Viswanathan AC. Biobanks and the importance of detailed phenotyping: a case study--the European Glaucoma Society GlaucoGENE project. *Br J Ophthalmol.* 2009;93:577-81.
  35. Fletcher AE, Bentham GC, Agnew M, Young IS, Augood C, Chakravarthy U, de Jong PT, Rahu M, Seland J, Soubrane G, Tomazzoli L, **Topouzis F**, Vingerling JR, Vioque J. Sunlight exposure, antioxidants, and age-related macular degeneration. *Arch Ophthalmol.* 2008;126:1396-403.
  36. Augood C, Chakravarthy U, Young I, Vioque J, de Jong PT, Bentham G, Rahu M, Seland J, Soubrane G, Tomazzoli L, **Topouzis F**, Vingerling JR, Fletcher AE. Oily fish consumption, dietary docosahexaenoic acid and eicosapentaenoic acid intakes, and associations with neovascular age-related macular degeneration. *Am J Clin Nutr.* 2008;88:398-406.

37. Coleman AL, Stone KL, Kodjebacheva G, Yu F, Pedula KL, Ensrud KE, Cauley JA, Hochberg MC, **Topouzis F**, Badala F, Mangione CM; Study of Osteoporotic Fractures Research Group. Glaucoma risk and the consumption of fruits and vegetables among older women in the study of osteoporotic fractures. *Am J Ophthalmol.* 2008;145:1081-9.
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39. **Topouzis F**, Wilson M.R., Harris A, Anastasopoulos E, Yu F, Mavroudis L, Pappas Th, Koskosas A, Coleman A.L. Prevalence of Open Angle Glaucoma in Greece. The Thessaloniki Eye Study. *Am J Ophthalmol* 2007. 144:511-9.
40. Mavroudis L, Harris A, **Topouzis F**, Wilson MR, Yu F, Anastasopoulos E, Koskosas A, Siesky B, Pappas T, Founti P, Coleman AL. Reproducibility of pixel-by-pixel analysis of Heidelberg Retinal Flowmetry (HRF) images: The Thessaloniki Eye Study. *Acta Ophthalmologica* 2008;86:81-6.
41. **Topouzis F**, Koskosas A, Pappas T, Anastasopoulos E, Raptou A, Psilas K. Foveomacular retinitis and associated optical coherence tomography findings. *Ophthalmic Surg Lasers Imaging.* 2007;38:333-5.
42. **Topouzis F**. Is microdensitometric method a new gold standard for retinal arteriolar narrowing detection?" *Am J Hypertens* 2007;20:506-7.
43. Rossetti L, Karabatsas CH, **Topouzis F**, Vetrugno M, Centofanti M, Boehm A, Viswanathan A, Vorwerk C, Goldblum D. Comparison of the effects of Bimatoprost and a fixed combination of Latanoprost and Timolol on Circadian intraocular pressure. *Ophthalmology* 2007;114:2244-51.
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45. Chakravarthy U, Augood C, Bentham G, deJong PTVM, Rahu M, Seland J, Soubrane G, Tomazzoli L, **Topouzis F**, Vioque J, Fletcher A. Cigarette smoking and age-related macular degeneration in the EUREYE Study. *Ophthalmology* 2007;114:1157-63.
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51. Tsina Ef, Udar N, Small K, **Topouzis F**. An atypical presentation of lattice corneal dystrophy in a patient with juvenile glaucoma. *EYE.* 2006;20:979-80.
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