University of Miami
CURRICULUM VITAE

Date: November 12, 2018

I. PERSONAL

Name:	William Keith Scott, Ph.D.
Office Phone:	(305) 243-2371
Current Academic Rank:	Professor
Current Track of Appointment:	Tenured
Primary Department:	Dr. John T. Macdonald Foundation Department of Human Genetics
Secondary Appointment:	Neurology; Public Health Sciences
Citizenship:	USA

II. HIGHER EDUCATION

Dates	*Institution*	*Degree*	
1996	University of South Carolina	PhD	Epidemiology
1993	University of South Carolina	MSPH	Epidemiology
1991	The Pennsylvania State University	BS	Microbiology

III. EXPERIENCE

Dates	*Institution*	*Academic Rank*
1/2007-present	University of Miami Leonard M. Miller School of Medicine	Professor
(9/2018-present)	Department of Neurology *(Secondary appointment)*	
(4/2009-present)	Department of Public Health Sciences *(Secondary appointment)*	
(3/2008-present)	Dr. John T. Macdonald Foundation Department of Human Genetics *(Primary)*	
(1/2007-2/2008)	Department of Medicine, Division of Human Genetics	
1/2007-6/2009	Duke University Medical Center Department of Medicine Division of Medical Genetics	Adjunct Associate Professor
12/2006-1/2007	Duke University Medical Center Department of Medicine Section of Medical Genetics	Associate Professor (tenure track)
3/2003 – 12/2006	Duke University Medical Center Department of Medicine Section of Medical Genetics	Associate Research Professor
7/2001 – 1/2007	Duke University Medical Center Department of Biostatistics and Bioinformatics	Assistant Research Professor
7/1997 – 2/2003	Duke University Medical Center Department of Medicine Section of Medical Genetics	Assistant Research Professor
1/1996 – 6/1997	Duke University Medical Center Department of Medicine Division of Neurology and Section of Medical Genetics	Research Associate

PUBLICATIONS

Books and Monographs Published:

1. Hancock DB, **Scott WK,** *Population-based case-control association studies.* In: Current Protocols in Human Genetics, John Wiley & Sons, Inc. 2012 Jul; Chapter 1: Unit 1.17.

2. Hancock DB, **Scott WK,** *Population-based case-control association studies.* In: Current Protocols in Human Genetics, John Wiley & Sons, Inc. 2007 Jan; Chapter 1: Unit 1.17.

3. **Scott WK**, Schildkraut JM. *Complex Genetic Interactions.* In: Pericak-Vance MA, Haines JL (Eds), Genetic Analysis of Complex Diseases. (2nd Ed), Wiley-Liss, New York, 2006, p.397.

4. **Scott WK**. *Geriatric Psychiatry: Genetics of Late Life Degenerative Disorders.* In: Sadock BJ & Sadock VA (Eds), Kaplan and Sadock's Comprehensive Textbook of Psychiatry (8th Ed), Lippincott Williams & Wilkins, Philadelphia, 2004, pp. 3653-3659.

5. **Scott WK**, *Gene and Environment.* In: Robinson R, Genetics (Vol 2), Thomson Gale, New York, 2003, p.54.

6. **Scott WK**, *Epidemiologist.* In: Robinson R, Genetics (Vol 2), Thomson Gale, New York, 2003, p.6.

7. **Scott WK**, *Aging and Life Span.* In: Robinson R, Genetics (Vol 1), Thomson Gale, New York, 2003, p.6.

8. Haines JL, Bailey LR, Grubber JM, Hedges D, Hall JL, West S, Santoro L, Kemmerer B, Saunders AM, Roses AD, Small GW, **Scott WK**, Conneally PM, Vance JM, Pericak-Vance, MA. *A Genomic Search for Alzheimer's Disease Genes.* In: K Iqbal, S Sisodia, and B Winblad, (Eds). Alzheimer's Disease: Advances in Etiology, Pathogenesis and Therapeutics John Wiley & Sons, London, 2001, pp.33-43.

Juried or refereed journal articles or exhibitions:

1. **Scott WK,** Medie FM, Ruffin F, Sharma-Kuinkel BK, Cyr DD, Guo S, Dykxhoorn DM, Skov RL, Bruun NE, Dahl A, Lerche CJ, Petersen A, Larsen AR, Lauridsen TK, Johansen HK, Ullum H, Sørensen E, Hassager C, Bundgaard H, Schønheyder HC, Torp-Pedersen C, Østergaard LB, Arpi M, Rosenvinge F, Erikstrup LT, Chehri M, Søgaard P, Andersen PS, Fowler VG Jr.. Human Genetic Variation in *GLS2* is Associated with Development of Complicated *Staphylococcus aureus* Bacteremia. PLoS Genet. 2018 Oct 5;14(10):e1007667. doi: 10.1371/journal.pgen.1007667. eCollection 2018 Oct. PMCID: PMC6192642

2. Mitchell SL, Uppal K, Williamson SM, Liu K, Burgess LG, Tran V, Umfress AC, Jarrell KL, Cooke Bailey JN, Agarwal A, Pericak-Vance M, Haines JL, **Scott WK**, Jones DP, Brantley MA Jr. The Carnitine Shuttle Pathway is Altered in Patients With Neovascular Age-Related Macular Degeneration. Invest Ophthalmol Vis Sci. 2018 Oct 1;59(12):4978-4985. doi: 10.1167/iovs.18-25137. PMCID: PMC6188466.

3. Nittala MG, Song YE, Sardell R, Adams LD, Pan S, Velaga SB, Horst V, Dana D, Caywood L, Laux R, Fuzzell D, Fuzzell S, **Scott WK**, Cooke Bailey JN, Igo RP Jr, Haines J, Pericak-Vance MA, Sadda SR, Stambolian D. AMISH EYE STUDY: Baseline Spectral Domain Optical Coherence Tomography Characteristics of Age-Related Macular Degeneration. Retina. 2018 May 9. doi: 10.1097/IAE.0000000000002210. [Epub ahead of print]. PMID: 29746403.

4. Hou L, Kember RL, Roach JC, O'Connell JR, Craig DW, Bucan M, **Scott WK**, Pericak-Vance M, Haines JL, Crawford MH, Shuldiner AR, McMahon FJ. A population-specific reference panel empowers genetic studies of Anabaptist populations. Sci Rep. 2017 Jul 20;7(1):6079. doi: 10.1038/s41598-017-05445-3. PMCID: PMC551963. Author Correction: Sci Rep. 2018 Apr 25;8(1):6771. Doi: 10.1038/s41598-018-24604-8. PMCID: PMC5915589.

5. Chintalapudi SR, Maria D, Di Wang X, Bailey JNC, **NEIGHBORHOOD consortium***, International Glaucoma Genetics Consortium, Hysi PG, Wiggs JL, Williams RW, Jablonski MM. Systems genetics identifies a role for Cacna2d1 regulation in elevated intraocular pressure and glaucoma susceptibility. Nat Commun. 2017 Nov 24;8(1):1755. Doi:10.1038/s41467-017-00837-5. PMCID: PMC5701146. *indexed collaborator.

6. Aschard H, Kang JH, Iglesias AI, Hysi P, Cooke Bailey JN, Khawaja AP, Allingham RR, Ashley-Koch A, Lee RK, Moroi SE, Brilliant MH, Wollstein G, Schuman JS, Fingert JH, Budenz DL, Realini T, Gaasterland T, **Scott WK**, Singh K, Sit AJ, Igo RP Jr, Song YE, Hark L, Ritch R, Rhee DJ, Gulati V, Haven S, Vollrath D, Zack DJ, Medeiros F, Weinreb RN, Cheng CY, Chasman DI, Christen WG, Pericak-Vance MA, Liu Y, Kraft P, Richards JE, Rosner BA, Hauser MA, International Glaucoma Genetics Consortium, Klaver CCW, van Duijn CM, Haines J, Wiggs JL, Pasquale LR. Genetic correlations between intraocular pressure, blood pressure and primary open-angle glaucoma: a multi-cohort analysis. Eur J Hum Genet. 2017 Nov;25(11):1261-1267. Doi:10:1038/ejhg.2017.136. PMCID: PMC5643970.

7. Persad PJ, Heid IM, Weeks DE, Baird PN, deJong EK, Haines JL, Pericak-Vance MA, **Scott WK**; for the International Age-Related Macular Degeneration Genomics Consortium (IAMDGC). Joint Analysis of Nuclear and Mitochondrial Variants in Age-Related Macular Degeneration Identifies Novel Loci TRPM1 and ABHD2/RLBP1. IOVS. August 2017, Vol.58, 4027-4038. doi:10.1167/iovs.17-21734. PMCID: PMC5559178.

8. Sobota RS, Stein CM, Kodaman N, Maro I, Wieland-Alter W, Igo RP Jr, Magohe A, Malone LL, Chervenak K, Hall NB, Matee M, Mayanja-Kizza H, Joloba M, Moore JH, **Scott WK**, Lahey T, Boom WH, von Reyn CF, Williams SM, Sirugo G. A chromosome 5q31.1 locus associates with tuberculin skin test reactivity in HIV-positive individuals from tuberculosis hyper-endemic regions in east Africa. PLoS Genet. 2017 Jun 19;13(6):e1006710. doi: 10.1371/journal.pgen.1006710. eCollection 2017 Jun. PMCID: PMC5495514.

9. Yan Q, Ahn SH, Medie FM, Sharma-Kuinkel BK, Park LP, **Scott WK**, Deshmukh H, Tsalik EL, Cyr DD, Woods CW, YU CA, Adams C, Qi R, Hansen B, Fowler VG. Candidate genes on Murine Chromosome 8 are Associated with Susceptibility to *Staphylococcus aureus* Infection in Mice and are Involved with *Staphylococcus aureus* Septicemia in Humans. PLoS One. 2017 Jun 8;12(6):e0179033. doi: 10.1371/journal.pone.0179033. eCollection 2017. PMCID: PMC5464679.

10. Cyr DD, Allen AS, Du GJ, Ruffin F, Adams C, Thaden JT, Maskarinec SA, Souli M, Guo S, Dykxhoorn DM, **Scott WK**, Fowler VG Jr. Evaluating genetic susceptibility to Staphylococcus aureus bacteremia in African Americans using admixture mapping. Genes Immun. 2017 Mar;18(2):95-99. doi: 10.1038/gene.2017.6. PMCID: PMC5435963.

11. Grassmann F, Kiel C, Zimmermann ME, Gorski M, Grassmann V, Stark K; **International AMD Genomics Consortium (IAMDGC)***, Heid IM, Weber BH. Genetic pleiotropy between age-related macular degeneration and 16 complex diseases and traits. Genome Med. 2017 Mar 27;9(1):29. doi: 10.1186/s13073-017-0418-0. PMCID: PMC5368911. *indexed collaborator.

12. Belle K, Shabazz FS, Nuytemans K Davis DA, Ali A, Young JL, **Scott WK**, Mash DC, Vance JM, Dykxhoorn DM. Generation of disease-specific autopsy-confirmed iPSCs lines from postmortem isolated Peripheral Blood Mononuclear Cells. Neurosci Lett. 2017 Jan 10;637:201-206. doi: 10.1016/j.neulet.2016.10.065. PMID: 27826014.

13. Sardell RJ, Nittala MG, Adams LD, Laux RA, Cooke Bailey JN, Fuzzell D, Fuzzell S, Reinhart-Mercer L, Caywood LJ, Horst V, Mackay T, Dana D, Sadda SR, **Scott WK**, Stambolian D, Haines JL, Pericak-Vance MA. Heritability of Choroidal Thickness in the Amish. Ophthalmology. 2016 Dec;123(12):2537-2544. doi: 10.1016/j.ophtha.2016.09.001. PMID: 27771146

14. Sardell RJ, Persad PJ, Pan SS, Whitehead P, Adams LD, Laux RA, Fortun JA, Brantley MA Jr, Kovach JL, Schwartz SG, Agarwal A, Haines JL, **Scott WK**, Pericak-Vance MA. Progression Rate from Intermediate to Advanced Age-Related Macular Degeneration Is Correlated With the Number of Risk Alleles at the CFH Locus. Invest Ophthalmol Vis Sci. 2016 Nov 1;57(14):6107-6115. doi: 10.1167/iovs.16-19519. PMCID: PMC5104418.

15. Khawaja AP, Cooke Bailey JN, Kang JH, Allingham RR, Hauser MA, Brilliant M, Budenz DL, Christen WG, Fingert J, Gaasterland D, Gaasterland T, Kraft P, Lee RK, Lichter PR, Liu Y, Medeiros F, Moroi SE, Richards JE, Realini T, Ritch R, Schuman JS, **Scott WK**, Singh K, Sit AJ, Vollrath D, Wollstein G, Zack DJ, Zhang K, Pericak-Vance M, Weinreb RN, Haines JL, Pasquale LR, Wiggs JL. Assessing the Association of Mitochondrial Genetic Variation with Primary Open-Angle Glaucoma Using Gene-Set Analyses. Invest Ophthalmol Vis Sci. 2016 Sep; 57(11): 5046–5052. doi: 10.1167/iovs.16-20017. PMCID: PMC5040191

16. Sardell RJ, Bailey JN, Courtenay MD, Whitehead P, Laux RA, Adams LD, Fortun JA, Brantley MA Jr, Kovach JL, Schwartz SG, Agarwal A, **Scott WK**, Haines JL, Pericak-Vance MA. Whole exome sequencing of extreme age-related macular degeneration phenotypes. Mol Vis. 2016 Aug 29;22:1062-76. PMCID: PMC5007100.

17. Hicks JE, Konidari I, Scott BL, Stajich JM, Ashley-Koch AE, Gilbert JR, **Scott WK**. Linkage of Familial Essential Tremor to Chromosome 5q35. Mov Disord. 2016 Jul;31(7):1059-62. doi: 10.1002/mds.26582. PMID: 26918299.

18. Wang L, Maldonado L, Beecham GW, Martin ER, Evatt ML, Ritchie JC, Haines JL, Zabetian CP, Payami H, Pericak-Vance MA, Vance JM, **Scott WK**. DNA variants in CACNA1C modify Parkinson disease risk only when vitamin D level is deficient. Neurol Genet. 2016 Apr 12;2(3):e72. doi: 10.1212/NXG.0000000000000072. eCollection 2016 Jun. PMCID: PMC4830205.

19. Hoffman JD, van Grinsven MJ, Li C, Brantley M Jr, McGrath J, Agarwal A, Scott WK, Schwartz SG, Kovach J, Pericak-Vance M, Sanchez CI, Haines JL. Genetic Association Analysis of Drusen Progression. Invest Ophthalmol Vis Sci. 2016 Apr 1;57(4):2225-31. doi: 10.1167/iovs.15-18571. PMCID: PMC4849854.

20. Kovach JL, Schwartz SG, Agarwal A, Brantley MA, Pan SS, Haines JL, **Scott WK**, Pericak-Vance MA. The Relationship Between Reticular Pseudodrusen and Severity of AMD. Ophthalmology. 2016 Apr;123(4):921-3. doi: 10.1016/j.ophtha.2015.10.036. PMCID: PMC4808363.

21. Cooke Bailey JN, Hoffman JD, Sardell RJ, **Scott WK**, Pericak-Vance MA, Haines JL. The Application of Genetic Risk Scores in Age-Related Macular Degeneration: A Review. J Clin Med. 2016 Mar 4;5(3). pii: E31. doi: 10.3390/jcm5030031. PMCID: PMC4810102

22. Sobota RS, Stein CM, Kodaman N, Scheinfeldt LB, Maro I, Wieland-Alter W, Igo RP Jr, Magohe A, Malone LL, Chervenak K, Hall NB, Modongo C, Zetola N, Matee M, Joloba M, Froment A, Nyambo TB, Moore JH, **Scott WK**, Lahey T, Boom WH, von Reyn CF, Tishkoff SA, Sirugo G, Williams SM. A locus at 5q33.3 confers resistance to tuberculosis in highly susceptible individuals. Am J Hum Genet. 2016 Mar 3;98(3):514-24. doi: 10.1016/j.ajhg.2016.01.015. PMCID: PMC4800052.

23. DeLorenze GN, Nelson CL, **Scott WK**, Allen AS, Ray GT, Tsai AL, Quesenberry CP Jr, Fowler VG Jr. Polymorphisms in HLA Class II Genes Are Associated With Susceptibility to Staphylococcus aureus Infection in a White Population. J Infect Dis. 2016 Mar 1;213(5):816-23. doi: 10.1093/infdis/jiv483. PMCID: PMC4747615.

24. Fritsche LG, Igl W, Bailey JN, …., **Scott WK**, …., Weber BH, Abecasis GR, Heid IM. A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. Nat Genet. 2016 Feb;48(2):134-43. doi: 10.1038/ng.3448. PMCID: PMC4745342.

25. Bailey JN, Loomis SJ, Kang JH, Allingham RR, Gharahkhani P, Khor CC, Burdon KP, Aschard H, Chasman DI, Igo RP Jr, Hysi PG, Glastonbury CA, Ashley-Koch A, Brilliant M, Brown AA, Budenz DL, Buil A, Cheng CY, Choi H, Christen WG, Curhan G, De Vivo I, Fingert JH, Foster PJ, Fuchs C, Gaasterland D, Gaasterland T, Hewitt AW, Hu F, Hunter DJ, Khawaja AP, Lee RK, Li Z, Lichter PR, Mackey DA, McGuffin P, Mitchell P, Moroi SE, Perera SA, Pepper KW, Qi Q40, Realini T, Richards JE, Ridker PM, Rimm E, Ritch R, Ritchie M, Schuman JS, **Scott WK**, Singh K, Sit AJ, Song YE, Tamimi RM, Topouzis F, Viswanathan AC, Verma SS, Vollrath D, Wang JJ, Weisschuh N, Wissinger B, Wollstein G, Wong TY, Yaspan BL, Zack DJ, Zhang K, Study EN; ANZRAG Consortium, Weinreb RN, Pericak-Vance MA, Small K, Hammond CJ, Aung T, Liu Y, Vithana EN, MacGregor S, Craig JE, Kraft P, Howell G, Hauser MA, Pasquale LR, Haines JL, Wiggs JL. Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. Nat Genet. 2016 Feb;48(2):189-94. doi: 10.1038/ng.3482. PMCID: PMC4731307.

26. Nuytemans K, Maldonado L, Ali A, John-Williams K, Beecham GW, Martin E, **Scott WK**, Vance JM. Overlap between Parkinson disease and Alzheimer disease in ABCA7 functional variants. Neurology: Genetics 2016 Jan 14;2(1):e44. PMCID: PMC4817903.

27. Hall JB, Cooke Bailey JN, Hoffman JD, Pericak-Vance MA, **Scott WK**, Kovach JL, Schwartz SG, Agarwal A, Brantley MA Jr, Haines JL, Bush WS. Estimating cumulative pathway effects on risk for age-related macular degeneration using mixed linear models. BMC Bioinformatics. 2015 Oct 14;16:329. doi: 10.1186/s12859-015-0760-4. PMCID: PMC4606903.

28. Wang L, Evatt ML, Maldonado LG, Perry WR, Ritchie JC, Beecham GW, Martin ER, Haines JL, Pericak-Vance MA, Vance JM, **Scott WK**. Vitamin D from different sources is inversely associated with Parkinson disease. Mov Disord. 2015 Apr;30(4):560-6. doi: 10.1002/mds.26117. PMCID: PMC4390412.

29. Beecham GW, Dickson DW, **Scott WK**, Martin, ER**,** Schellenberg G, Nuytemans K, Larson EB, Buxbaum JD, Trojanowski JQ, Van Deerlin VM, Hurtig HI, Mash DC, Beach TG, Troncoso JC, Pletnikova O, Frosch MP, Ghetti, B, Foroud TM, Honig LS, Marder K, Vonsattel JP, Goldman SM, Vinters HV, Ross OA, Wszolek ZK, Wang L, Dykxhoorn DM, Pericak-Vance MA, Montine TJ, Leverenz JB, Dawson TM, Vance JM. PARK10 is a major locus for sporadic neuropathologically confirmed Parkinson disease. Neurology. 2015 Mar 10;84(10):972-80. doi: 10.1212/WNL.0000000000001332. PMCID: PMC4352096.

30. Springelkamp H, Mishra A, Hysi PG, Gharahkhani P, Höhn R, Khor CC, Cooke Bailey JN, Luo X, Ramdas WD, Vithana E, Koh V, Yazar S, Xu L, Forward H, Kearns LS, Amin N, Iglesias AI, Sim KS, van Leeuwen EM, Demirkan A, van der Lee S, Loon SC, Rivadeneira F, Nag A, Sanfilippo PG, Schillert A, de Jong PT, Oostra BA, Uitterlinden AG, Hofman A; **NEIGHBORHOOD Consortium***, Zhou T, Burdon KP, Spector TD, Lackner KJ, Saw SM, Vingerling JR, Teo YY, Pasquale LR, Wolfs RC, Lemij HG, Tai ES, Jonas JB, Cheng CY, Aung T, Jansonius NM, Klaver CC, Craig JE, Young TL, Haines JL, MacGregor S, Mackey DA, Pfeiffer N, Wong TY, Wiggs JL, Hewitt AW, van Duijn CM, Hammond CJ. Meta-analysis of Genome-Wide Association Studies Identifies Novel Loci Associated With Optic Disc Morphology. Genet Epidemiol. 2015 Mar;39(3):207-16. doi: 10.1002/gepi.21886. PMCID: PMC4480365. *indexed collaborator.

31. D'Aoust LN, Cummings AC, Laux R, Fuzzell D, Caywood L, Reinhart-Mercer L, **Scott WK**, Pericak-Vance MA, Haines JL. Examination of candidate exonic variants for association to Alzheimer disease in the Amish. PLoS One. 2015 Feb 10;10(2):e0118043. doi: 10.1371/journal.pone.0118043. PMCID: PMC4323242.

32. Sharp ME, Caccappolo E, Mejia-Santana H, Tang MX, Rosado L, Orbe Reilly M, Ruiz D, Louis ED, Comella C, Nance M, Bressman S, **Scott WK**, Tanner C, Waters C, Fahn S, Cote L, Ford B, Rezak M, Novak K, Friedman JH, Pfeiffer R, Payami H, Molho E, Factor SA, Nutt J, Serrano C, Arroyo M, Pauciulo MW, Nichols WC, Clark LN, Alcalay RN, Marder KS. The relationship between obsessive-compulsive symptoms and PARKIN genotype: The CORE-PD study. Mov Disord. 2015 Feb;30(2):278-83. doi: 10.1002/mds.26065. PMCID: PMC4318772.

33. Crawford DC, Dumitrescu L, Goodloe R, Brown-Gentry K, Boston J, McClellan B Jr, Sutcliffe C, Wiseman R, Baker P, Pericak-Vance MA, **Scott WK**, Allen M, Mayo P, Schnetz-Boutaud N, Dilks HH, Haines JL, Pollin TI. Rare variant APOC3 R19X is associated with cardio-protective profiles in a diverse population-based survey as part of the Epidemiologic Architecture for Genes Linked to Environment Study. Circ Cardiovasc Genet. 2014 Dec;7(6):848-53. doi: 10.1161/CIRCGENETICS.113.000369. PMCID: PMC4305446.

34. Hamza TH, Hill-Burns EM, **Scott WK**, Vance JM, Factor SA, Zabetian CP, Payami H. Glutamate Receptor Gene GRIN2A, Coffee, and Parkinson Disease. PLoS Genet. 2014 Nov 20;10(11):e1004774. PMCID: PMC4238944.

35. Liu Y, Garrett ME, Yaspan BL, Bailey JC, Loomis SJ, Brilliant M, Budenz DL, Christen WG, Fingert JH, Gaasterland D, Gaasterland T, Kang JH, Lee RK, Lichter P, Moroi SE, Realini A, Richards JE, Schuman JS, **Scott WK**, Singh K, Sit AJ, Vollrath D, Weinreb R, Wollstein G, Zack DJ, Zhang K, Pericak-Vance MA, Haines JL, Pasquale LR, Wiggs JL, Allingham RR, Ashley-Koch AE, Hauser MA. DNA copy number variants of known glaucoma genes in relation to primary open-angle glaucoma. Invest Ophthalmol Vis Sci. 2014 Nov 20;55(12):8251-8. doi: 10.1167/iovs.14-15712. PMCID: PMC4271633.

36. Bailey JN, Yaspan BL, Pasquale LR, Hauser MA, Kang JH, Loomis SJ, Brilliant M, Budenz DL, Christen WG, Fingert J, Gaasterland D, Gaasterland T, Kraft P, Lee RK, Lichter PR, Liu Y, McCarty CA, Moroi SE, Richards JE, Realini T, Schuman JS, **Scott WK**, Singh K, Sit AJ, Vollrath D, Wollstein G, Zack DJ, Zhang K, Pericak-Vance MA, Allingham RR, Weinreb RN, Haines JL, Wiggs JL. Hypothesis-independent pathway analysis implicates GABA and acetyl-CoA metabolism in primary open-angle glaucoma and normal-pressure glaucoma. Hum Genet. 2014 Oct;133(10):1319-30. doi: 10.1007/s00439-014-1468-7. PMCID: PMC4273559.

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None at this time.

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1. Garcia Rodriguez, O, Pan SS, Whitehead P, Adams LD, Laux RA, Welch JK, Kovach JL, Schwartz SG, Agarwal A, Haines JL, Pericak-Vance MA, **Scott WK**. Three loci associated with risk of advanced age-related macular degeneration (AMD) also influence anti-VEGF treatment response. Poster Presentation at the 68th Annual Meeting of the American Society of Human Genetics (ASHG), San Diego, California, October 16-20, 2018 (#2515).

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15. Haines JL, Restrepo N, Song Y, Laux R, Adams LD, Fuzzell D, Caywood LJ, Horst V, MacKay T, Dana D, Nittala MG, Sadda SR, **Scott WK**, Stambolian D, Pericak-Vance MA. The Amish Eye Study: Baseline quantitative Ocular Characteristics on a Unique cohort. Poster Presentation at the 2017 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Baltimore, MD, May 7-11, 2017 (#B0132).

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22. Persad PJ, Sardell RJ, Pan SS, Whitehead P, Adams LD, Laux RA, Fortun JA, Brantley Jr, MA, Kovach JL, Schwartz SG, Agarwal A, Haines JL, Pericak-Vance MA, **Scott WK**. RRAGC is associated with age-related macular degeneration (AMD) progression rate from intermediate to advanced AMD, implicating mTORC1 signaling in AMD pathogenesis. Poster presentation at the 66th Annual Meeting of the American Society of Human Genetics, Vancouver, BC, Canada, October 18-22, 2016, #1526.

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25. Kovach JL, Schwartz SG, Agarwal A, Brantley MA, Pan S, Haines JL, **Scott WK**, Pericak-Vance MA. Reticular Pseudodrusen and Systemic Disease. 49th Annual Retina Society Meeting, San Diego, California, September 14-17, 2016.

26. Persad P, **Scott WK**. Genome-Wide Interaction Study of Nuclear and Mitrochondrial (mt) Variants in Age-Related Macular Degeneration (AMD) Identifies Novel Locus TRPM1. Poster presentation at the 2016 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Seattle, Washington, May 1-5, 2016 (#2624).

27. Butkiewicz M, Sardell RJ, Whitehead P, **Scott WK**, Stambolian D, Pericak-Vance MA, Haines J. Whole Exome Sequencing in the Amish Identifies Candidate Rare Variants for AMD. Poster presentation at the 2016 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Seattle, Washington, May 1-5, 2016 (#2643).

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30. **Scott, WK,** Evatt ML, Haines, JL, Wang L, Maldonado, LG, Beecham GW, Martin ER, Zabetian CP, Payami H, Pericak-Vance, MA, Vance JM, Ritchie JC. Genome-wide interaction study of Parkinson disease and vitamin D deficiency implicates autoimmunity pathways. Oral presentation at the 13th International Congress of Human Genetics (ICHG2016), Kyoto, Japan, April 3-8, 2016 (O24-1).

31. Vance JM, Nuytemans K, Maldonado L, John-Williams K, Martin ER, Beecham GB, **Scott WK**. ABC transporters confer risk in Parkinson disease. Oral Presentation at the 13th International Congress of Human Genetics (ICHG2016), Kyoto, Japan, April 3-8, 2016 (SFS18-3).

32. Haines JL, Sardell RJ, Hoffman J, Cooke Bailey JN, Sadda SR, **Scott WK**, Stambolian D, Pericak-Vance MA. Examining the genetic architecture of age-related macular degeneration (AMD) in the Amish. Oral Presentation at the 13th International Congress of Human Genetics (ICHG2016), Kyoto, Japan, April 3-8, 2016 (O45-5).

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35. Wang L, Maldonado L, Beecham GW, Martin ER, Evatt ML, Ritchie JC, Haines JL, Zabetian CP, Payami H, Pericak-Vance MA, Vance JM, **Scott WK**. L-type voltage-sensitive calcium channel subunit (LVSCC)-A1C is associated with increased Parkinson disease risk only when plasma vitamin D concentration is deficient. Poster Presentation at the 65th annual meeting of the American Society of Human Genetics (ASHG), Baltimore, Maryland, October 6-10, 2015 (#1220).

36. Persad, PJ, Sardell RJ, Schwartz SG, Kovach JL, Fortun JA, Brantley MA, Agarwal A, Haines JL, **Scott WK**, Pericak-Vance MA. Progression rate from intermediate to advanced age-related macular degeneration varies with the number of risk alleles at the *CFH* locus. Poster Presentation at the 65th annual meeting of the American Society of Human Genetics (ASHG), Baltimore, Maryland, October 6-10, 2015 (#1247).

37. Butkiewicz M, Bush WS, Pericak-Vance MA, **Scott WK**, Haines JL. Can functional data assess genetic risk? A polygenic risk score approach. Poster Presentation at the 65th annual meeting of the American Society of Human Genetics (ASHG), Baltimore, Maryland, October 6-10, 2015 (#1759).

38. Sivasankaran SK, Hossein A, Mehta A, Maldonado LG, Nuytemans K, **Scott WK**, Martin ER, Vance JM, Young JI. DNA methylation profiling of brains of Parkinson disease patients. Poster Presentation at the 65th annual meeting of the American Society of Human Genetics (ASHG), Baltimore, Maryland, October 6-10, 2015 (#421).

39. Igo RP, Cooke Bailey JN, **Scott WK**, Sardell RJ, Pericak-Vance MA, Pasquale LR, Hauser MA, Gaasterand T, Wiggs JL, Haines JL, NEIGHBORHOOD Consortium. Survey of Rare and Common Genetic Variation in Putative Risk Loci for Primary Open-angle Glaucoma. Poster Presentation at the 65th annual meeting of the American Society of Human Genetics (ASHG), Baltimore, Maryland, October 6-10, 2015 (#821).

40. Sardell RJ, Adams LD, Laux R, Fuzzell D, Reinhart-Mercer L, Caywood L, Dana D, Bowman A, Nittala MG, Sadda SR, **Scott WK**, Stambolian D, Haines JL, Pericak-Vance MA. Defining endophenotypes of Age-related Macular Degeneration in the Amish. Poster Presentation at the 65th annual meeting of the American Society of Human Genetics (ASHG), Baltimore, Maryland, October 6-10, 2015 (#875).

41. Nuytemans K, Maldonado L, Rich BJ, John-Williams K, Martin ER, Beecham G, **Scott WK**, Vance JM. Identification of novel candidate genes and pathways for Parkinson Disease through gene-based association tests of rare sequence variants. Poster Presentation at the 65th annual meeting of the American Society of Human Genetics (ASHG), Baltimore, Maryland, October 6-10, 2015 (#988).

42. Wiggs JL, Navarro D, Shen L, Cooke Bailey JN, Haines JL, Pasquale LR, Gai X, **NEIGHBORHOOD Consortium**. Mitochondria haplogroup analysis in primary open angle glaucoma suggests an association with haplogroup T2. Poster Presentation at the 65th annual meeting of the American Society of Human Genetics (ASHG), Baltimore, Maryland, October 6-10, 2015 (#989/W).

43. Cooke Bailey JN, Butkiewicz M, Pasquale LR, Hauser MA, Allingham RR, Wiggs JL, Haines JL, , **NEIGHBORHOOD Consortium**. Pathway Analysis of Genome Wide Glaucoma Data. Poster Presentation at the 65th annual meeting of the American Society of Human Genetics (ASHG), Baltimore, Maryland, October 6-10, 2015 (#989/W).

44. Persad P, Sardell R, Schwartz SG, Kovach JL, Fortun J, Brantley MA, Agarwal A, Haines JL, **Scott W**, Pericak-Vance, MA. Genotype at four loci associated with risk of advanced AMD does not predict progression rate from intermediate to advanced disease. Poster presentation at the 2015 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Denver, Colorado, May 3-7, 2015, (#795).

45. Courtenay MD, Cade W, Wang G, Schwartz SG, Kovach JL, Agarwal A, Brantley MA, **Scott WK**, Haines, JL, Pericak-Vance, MA. Known Age-Related Macular Degeneration Risk Variants are Not Associated with Rapid Disease Progression or Good Treatment Response. Poster presentation at the 2015 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Denver, Colorado, May 3-7, 2015, (#797).

46. Haines JL, Hoffman JD, Fuzzell D, Laux R, Ayala-Haedo J, Caywood L, Reinhart-Mercer L, Stambolian D, **Scott WK**, Pericak-Vance MA. Rare CFH Coding Variant in Amish AMD. Poster presentation at the 2015 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Denver, Colorado, May 3-7, 2015, (#784).

47. Hoffman JD, Van Grinsven MJ, Cooke Bailey J, Butkiewcz M, Brantley MA, Li C, **Scott WK**, Pericak-Vance MA, Sanchez CI, Haines JL. The role of age-related macular degeneration associated variants in drusen progression. Poster presentation at the 2015 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Denver, Colorado, May 3-7, 2015, (#5142).

48. Sardell R, **Scott W**, Adams LD, Cooke Bailey J, Nittala MG, Sadda SR, Stambolian D, Haines J, Pericak-Vance MA. Identifying endophenotypes associated with age-related macular degeneration in the Amish using OCT. Poster presentation at the 2015 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Denver, Colorado, May 3-7, 2015, (#793).

49. Wang, G, Gustafson CB, Saab Alexandra, Van Booven D, **Scott W**. Long-term cigarette smoking causes histone overexpression in the retina. Poster presentation at the 2015 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Denver, Colorado, May 3-7, 2015, (#1413).

50. Vance JM, Beecham GW, Dickson DW, **Scott WK**, Schellenberg G, on behalf of the Alzheimer Disease Genetics Consortium, Nuytemans K, Larson EB, Buxbaum JD, Trojanowski JQ, Van Deerlin VM, Hurtig HI, Mash DC, Beach TG, Troncoso J C, Pletnikova O, Frosch MP, Ghetti B, Foroud TM, Honig LS, Marder K, Vonsattel J P, , Goldman SM, Vinters HV, Ross OA, Wszolek ZK, Wang L, Dykxhoorn DM, Pericak-Vance MA, Montine TJ, Leverenz JB, Dawson TM, Martin E R. Association Studies of Neuropathologically-Confirmed Cases and Controls Reveals that the PARK10 Locus is a Major Contributor to Sporadic Parkinson disease. Platform Presentation at the American Academy of Neurology 67th Annual Meeting, Washington, DC, April 18- 25, 2015.

51. Sacharow SS, Hahn SE, Tekin M, Rampersaud E, Bendik E, **Scott W**, Vance J. Preparing Medical Students to Practice Genomic Medicine: Lessons from the First Two Years of the University of Miami Master of Science in Genomic Medicine for Medical Students. Poster presentation at the 2015 ACMG Annual Clinical Genetics Meeting, Salt Lake City, Utah, March 24-28, 2015, #465.
52. Nuytemans K, Beecham GW, **Scott WK**, Martin ER, Wang L, Vance JM. Characterization of Genetic Variability in the PARK10 Locus. The 12th International Conference on Alzheimer's and Parkinson's Disease (AD/PD), Nice, France, March 18-22, 2015 (ADPD5-1261).

53. Nuytemans K, Inchausti V, Mehta A, Beecham G, **Scott WK**, Haines JL, Vance JM. Non-coding annotation in genomic region of interest in large Amish family. 2015 Advances in Genome Biology and Technology (AGBT), Marco Island, FL February 25-28, 2015.

54. Hall J, Pericak-Vance M, **Scott W**, Kovach J, Schwartz S, Agarwal A, Brantley M, Haines J, Bush W. Mixed-model analysis of common variation reveals pathways explaining variance in AMD risk. Poster presentation at the 64th annual meeting of the American Society of Human Genetics (ASHG), San Diego, California, October 18-22, 2014 (#1875S).

55. **Scott WK**, Hahn SE, Sacharow SC, Tekin M, Rampersaud E, Johnson B, Ghaffari G, Bendik EM, Vance JM. Preparing future physicians to practice genomic medicine: lessons from the first two years of the University of Miami Master of Science in Genomic Medicine program. Poster presentation at the 64th annual meeting of the American Society of Human Genetics (ASHG), San Diego, California, October 18-22, 2014 (#2309S).

56. Wang L, Maldonado L, Ritchie J, Evatt M, Haines JL, Pericak-Vance M, Beecham GW, Martin ER, Vance HM, **Scott WK**. Genome wide gene-vitamin D interaction analysis suggests potential role for melanoma related genes in Parkinson disease. Poster presentation at the 64th annual meeting of the American Society of Human Genetics (ASHG), San Diego, California, October 18-22, 2014 (#1048S).

57. Sardell RJ, **Scott WK**, Wang G, Cade W, Cooke Bailey JN, Courtenay MD, Schwartz SG, Kovach JL, Agarwal A, Brantley MA, Haines JL, Pericak-Vance MA. Pathway analyses of extreme age-related macular degeneration phenotypes using whole exome sequencing data. Poster presentation at the 64th annual meeting of the American Society of Human Genetics (ASHG), San Diego, California, October 18-22, 2014 (#1084S).

58. Nuytemans K, Inchausti V, Maldonado L, Mehta A, Martin ER, Beecham GW, Wang L, **Scott WK**, Vance JM. Protein functional domain annotation in single gene association in Parkinson Disease. Poster presentation at the 64th annual meeting of the American Society of Human Genetics (ASHG), San Diego, California, October 18-22, 2014 (#1530S).

59. Hoffman JD, Cooke Bailey JN, Sardell RJ, Cummings AC, D'Aoust LN, **Scott WK**, Pericak Vance MA, Haines JL. The Genetic Architecture of Age-Related Macular Degeneration in the Amish. Poster presentation at the 64th annual meeting of the American Society of Human Genetics (ASHG), San Diego, California, October 18-22, 2014 (#1071T).

60. Courtenay MD, Cade W, Wang G, Schwartz SG, Kovach JL, Agarwal A, Brantley MA, **Scott WK**, Haines JL, Pericak-Vance MA. Known Age-Related Macular Degeneration Risk Variants are not Associated with Rapid Disease Progression or Good Treatment Response. Poster presentation at the 64th annual meeting of the American Society of Human Genetics (ASHG), San Diego, California, October 18-22, 2014 (#1008T).

61. Persad P, Courtenay MD, Wang G, Cade W, Agarwal An, Schwartz SG, Kovach JL, Haines JL, Pericak-Vance MA, **Scott, WK.** Genome-Wide Analysis of Mitochondrial DNA (mtDNA)-Nuclear DNA Interaction in Age-Related Macular Degeneration (AMD). Poster Presentation at 2014 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Orlando, Florida, May 4-9, 2014 (#2220).

62. Wang G, Dubovy SR, Schwartz SG, Kovach JL, Agarwal A, **Scott WK**, Haines JL, Pericak-Vance, MA. Genotype at polymorphism rs5749482 and TIMP3 expression in AMD. Poster Presentation at 2014 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Orlando, Florida, May 4-9, 2014 (#2221).

63. Hoffman JD, Cooke Bailey J, D'Laura N, Agarwal A, Schwartz SG, Kovach JL, **Scott WK**, Pericak-Vance MA, Haines J. Examination of association of the Common CFHR1/CFHR3 Deletion Polymorphism with AMD in the Amish. Poster Presentation at 2014 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Orlando, Florida, May 4-9, 2014 (#2213).

64. Kovach JL. Agarwal A, Schwartz SG, Brantley MA, **Scott WK**, Cade W, Haines JL, Pericak-Vance MA. The Role of Genetics in Response to Anti-VEGF Therapy for Wet AMD. American Academy of Ophthalmology 2013 Annual Meeting, New Orleans, Louisiana, November 16-19, 2013.

65. Nuytemans K, Inchausti V, Maldonado L, Perry WR, Martin E, Beecham G, Wang L, **Scott WK**, Vance JM. Pathway analysis using whole exome sequencing in Parkinson Disease. Poster Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#1152W).

66. Courtenay MD, Lee RK, Budenz DL, Haines JL, Pericak-Vance MA, **Scott WK**. Exome chip analysis identifies rare variants associated with primary open angle glaucoma. Poster Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#1118F).

67. Whitehead P, **Scott WK**, Wang G, Cade W, Courtenay MD, Schwartz SG, Kovach JL, Agarwal A, Haines JL, Pericak-Vance MA. Whole-exome sequencing in age-related macular Degeneration. Poster Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#1108T).

68. **Scott WK**, Dykxhoorn DM, Guo S, Nelson CL, Rude T, Ruffin F, Allen AS, Yan Q, Fowler VG. Cumulative effect of coding sequence variation in TLR6 and ENG influences risk of infectious complications in patients with Staphylococcus aureus bacteremia. Poster Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#1144T).

69. Wang L, Evatt ML, Maldonado L, Perry WR, Ritchie JC, Beecham GW, Martin ER, Haines JL, Pericak-Vance MA, Vance JM, **Scott WK**. Gene-environment interaction reveals hidden heritability: Plasma vitamin D concentration and its interaction with vitamin D receptor gene polymorphisms in Parkinson disease. Platform Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#301).

70. Fritsche LG on behalf of The International AMD Genomics Consortium *(https://amdgenetics.org/).* Chipping away at the common variant genetics of age related macular degeneration. Platform Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#338).

71. Igl WM for the International AMD Genomics Consortium *(https://amdgenetics.org/).* Rare variants contributing to age-related macular degeneration – Results from the International AMD Genomics Consortium. Platform Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#169).

72. D'Aoust L, Cummings AC, Laux R, Fuzzell D, Caywood L, Reinhart-Mercer L, **Scott WK**, Pericak-Vance MA, Haines JL. Identification of Variants that Confer Susceptibility to Alzheimer Disease in the Amish through Exome Sequencing. Poster Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#1119W).

73. Cooke Bailey JN, Hoffman JD, Olson LM, Cade W, Schnetz-Boutaud N, Mayo P, Allen M, Agarwal A, Brantley MA, **Scott WK**, Pericak-Vance MA, Haines JL. Genetic Risk Score Modeling in Age-Related Macular Degeneration. Poster Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#1721W).

74. Hicks JE, Gilbert JR, Caywood L, Reinhart-Mercer L, Fuzzell D, Laux R, Pericak-Vance MA, Haines JL, **Scott WK**. Genome-wide screen for self-reported physical disability loci in the oldest-old Amish. Poster Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#979T).

75. Hoffman JD, D'Aoust LN, Cooke Bailey JN, Jiang L, Laux R, Agarwal A, **Scott WK**, pericak-Vance MA, Haines JL. Investigating Age-related Macular Degeneration in the Amish. Poster Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#892T).

76. Wiggs JL, Cooke Bailey JN, Pasquale LR, Loomis SJ, Kang JH, Yaspan B, Brilliant M, Christen W, Fingert JH, Gaasterland D, Gaasterland T, Lee RK, Lichter PR, Liu Y, Moroi SE, Olson LM, Richards JE, Schuman JS, **Scott WK**, Singh K, Sit A, Vollrath D, Wollstein G, Zack DJ, Zhang K, Allingham RR, Pericak Vance MA, Weinreb RN, Hauser MA Haines J.L, NEIGHBORHOOD Consortium. Hypothesis independent pathway analysis identifies biologic pathways influencing susceptibility to glaucoma. Poster Presentation at the 63rd Annual Meeting of the American Society of Human Genetics (ASHG), Boston, Massachusetts, October 22-26, 2013 (#1049F).

77. Pericak-Vance MA, Wang G, Cade W, Courtenay MD, Gay P, Schwartz SG, Kovach JL, Agarwal A, Haines JL, **Scott, WK**. Whole-exome sequencing in age-related macular degeneration. Presentation at 2013 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Seattle, Washington, May 4-9, 2013 (3358/C0014).

78. Cooke Bailey JN, D'Aoust L, Lan J, Laux R, Agarwal A, **Scott WK**, Pericak-Vance MA, Haines JL. Exome sequencing in the mid-western Amish to identify rare variation influencing AMD. Presentation at 2013 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Seattle, Washington, May 4-9, 2013 (4976).

79. Courtenay MD, Cade W, Schwartz SG, Kovach JL, Agarwal A, Wang G, Haines JL, Pericak-Vance MA, **Scott WK**. Interaction analysis of exogenous estrogen in age-related macular degeneration (AMD) finds novel associations within the VEGF, Complement, and TGFB pathways. Presentation at 2013 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Seattle, Washington, May 4-9, 2013 (6171-C0056).

80. Hoffman JD, D'Aoust L, Jiang L, Laux R, Agarwal A, **Scott WK**, Pericak-Vance MA, Haines JL. Investigating Age-related Macular Degeneration in the Amish. Presentation at 2013 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Seattle, Washington, May 4-9, 2013 (6179-C0064).

81. Haines JL, Agarwal A, Cooke Bailey JN, Hoffman JD, McGrath A, Olson LM, Kovach JL, Schwartz SG, **Scott WK**, Pericak-Vance MA. Genetic Risk Score Predicts of Severity of Age-related Macular Degeneration. Presentation at 2013 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Seattle, Washington, May 4-9, 2013 (6180-C0065).

82. Wang G, Court B, Gay P, Dubovy SR, Kovach JL, Schwartz SG, Agarwal A, **Scott WK**, Haines JL, Pericak-Vance MA. AMD-associate variants at chromosome 10q26 locus and ARMS2/HTRA1 gene expression. Presentation at 2013 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Seattle, Washington, May 4-9, 2013 (6191-C0076).

83. Kovach JL, Agarwal A, Schwartz SG, Brantley MA, **Scott W**, Cade W, Haines JL, Pericak-Vance MA. The Role of Genetics in Response to Anti-VEGF Therapy for Wet AMD. 2013 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Seattle, Washington, May 4-9, 2013.

84. Vance J, Nuytemans K, Dressen A, Beecham G, Inchausti V, Martin E, Mehta A, **Scott W**. Whole Exome Sequencing Analysis of Common Rare Variants in Parkinson and ALS. American Academy of Neurology (AAN) 65th Annual Meeting, San Diego, California, March 16-23, 2013. Neurology 2013 80:IN2-1.008 / 80:P05.054.

85. Vance J, Nuytemans K, Bademci G, Kohli M, Beecham G, Inchausti V, Dressen A, Wang L, Young J, Nahab F, Singer C, Martin E, Gilbert J, Benatar M, Haines J, **Scott W**, Zuchner S, Pericak-Vance M. Intermediate Size Repeats of the C90RF72 Repeat Expansion are a Risk Factor for Parkinson Disease. 11th International Conference on Alzheimer's and Parkinson's Disease (AD/PD). Florence, Italy, March 6-10, 2013.

86. **Scott WK**. Fine-mapping linkage of age-related traits using whole-exome sequencing in a Midwestern Amish population sample. Invited Scientific Session: Next-Generation Sequencing in Isolated Populations: Opportunities for Accelerated Gene Discovery in Complex Traits. The 62nd Annual Meeting of the American Society of Human Genetics (ASHG), San Francisco, California, November 6-10, 2012. Session # 27.

87. Cummings AC, Torstenson E, Davis MF, D'Aoust LN, **Scott WK**, Pericak-Vance MA, Bush WS, Haines JL. Evaluating type 1 error and power for association and linkage in large complex pedigrees. Poster presentation at the 62nd Annual Meeting of the American Society of Human Genetics (ASHG), San Francisco, California, November 6-10, 2012, #1489F.

88. Vance J, Nuytemans K, Bademci G, Inchausti V, Zuchner S, Dressen A, Jauregio C, Kinnamon DD, Mehta A, Pasco Y, Aviram A, Diaz A, Wang L, Nahab F, Singer C, Hulme W, Konidari I, Edwards Y, Beecham G, Martin ER, **Scott WK**. Evidence for involvement of *EIF4G1*, not *VPS35* variations in Parkinson Disease. Poster presentation at the 62nd Annual Meeting of the American Society of Human Genetics (ASHG), San Francisco, California, November 6-10, 2012, #2603F.

89. D'Aoust LN, Cummings AC, Jiang L, Laux R, Fuzzell D, Caywood L, Reinhart-Mercer L, Courtenay M, **Scott WK**, Pericak-Vance MA, Haines JL. Genomic demographics of the genetically isolated Amish populations of Ohio and Indiana. Poster presentation at the 62nd Annual Meeting of the American Society of Human Genetics (ASHG), San Francisco, California, November 6-10, 2012, #3335W.

90. Nuytemans K, Bademci G, Kohli MM, Beecham G, Inchausti V, Dressen A, Young JL, Wang L, Nahab F, Singer C, Martin ER, Gilbert J, Benatar M, Haines JL, **Scott WK**, Zuchner S, Pericak-Vance MA, Vance JM. C90RF72 repeat expansion is a risk factor for Parkinson disease. Poster presentation at the 62nd Annual Meeting of the American Society of Human Genetics (ASHG), San Francisco, California, November 6-10, 2012, #347.

91. Courtenay MD, Case WH, Whitehead PL, Schwartz SG, Kovach JL, Wang G, Agarwal A, Haines JL, Pericak-Vance MA, **Scott WK**. Interaction analysis of exogenous estrogen in age-related macular degeneration (AMD): new gene-based 2-degree-of-freedom (2df) joint test finds joint effects within the VEGF signaling pathway. Poster presentation at the 62nd Annual Meeting of the American Society of Human Genetics (ASHG), San Francisco, California, November 6-10, 2012, #2028W.

92. **Scott WK**, Cade WH, Courtenay MD, Whitehead PL, Konidari I, Hulme WF, Schwartz SG, Kovach JL, Wang G, Agarwal A, Haines JL, Pericak-Vance MA. Whole-exome sequencing in age-related macular degeneration (AMD) using a highly-discordant phenotype and genotype design: evidence for novel loci underlying bilateral late AMD. Poster presentation at the 62nd Annual Meeting of the American Society of Human Genetics (ASHG), San Francisco, California, November 6-10, 2012, #2318F.

93. Wang L, Santos J, Dressen A, Mehta A, Pericak-Vance M, Vance J, **Scott WK.** Deep resequencing of the NOS2 gene suggests multiple potential mechanisms underlying the association of several complex diseases with a common synonymous SNP. Poster presentation at the 62nd Annual Meeting of the American Society of Human Genetics (ASHG), San Francisco, California, November 6-10, 2012, #492W.

94. Bademci G, Nuytemans K, Kohli M, Beecham G, Inchausti V, Dressen A, Wang L, Young JL, Nahab F, Singer C, Martin ER, Gilbert JR, Benatar M, Haines JL, **Scott WK**, Zuchner S, Pericak-Vance MA, Vance JM. C90RF72 repeat expansion is a risk factor for Parkinson disease. Poster Presentation at the 16th International Congress of Parkinson's Disease and Movement Disorders, Dublin, Ireland, June 17-21, 2012.

95. Nuytemans K, Bademci G, Zuchner S, Jauregui C, Dressen A, Kinnamon DD, Mehta A, Pasco Y, Avarim A, Diaz A, Wang L, Nahab F, Singer C, Hulme W, Konidari I, Edwards Y, Haines J, Davis M, Cummings A, Beecham G, Martine E, **Scott WK**, Vance JM. Evidence of EIF4G1 and EIF4F-complex variations involvement in Parkinson's disease. Poster Presentation at the 16th International Congress of Parkinson's Disease and Movement Disorders, Dublin, Ireland, June 17-21, 2012.

96. Courtenay MD, Naj AC, Cade WH, Schwartz SG, Kovach JL, Agarwal A, Wang G, Haines JL, Pericak-Vance MA, **Scott WK.** Genome-wide Interaction Analysis of Exogenous Estrogen in Age-related Macular Degeneration (AMD) Implicates CFD. Poster Presentation at 2012 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 5-10, 2012. (3300/A445).

97. D'Aoust L, Hoffman J, Cummings Ac, Agarwal A, Brantley MA, Kovach JL, Schwartz SG, **Scott WK,** Pericak-Vance MA, Haines JL. Genome-Wide Study for Age-related Macular Degeneration in the Amish. Poster Presentation at 2012 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 5-10, 2012. (3301/A446).

98. Agarwal A, Gauthier J, Kovach JL, Schwartz SG, Brantley MA, **Scott WK**, Olson LM, Hoffman JD, Pericak-Vance MA, Haines, JL. Genomics of Reticular Pseudodrusen in Age-related Macular Degeneration. Poster Presentation at 2012 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 5-10, 2012. (3302/A447).

99. Alcalay R, Rosado L, Mejia-Santana H, Orbe-Reilly M, Caccappolo E, Tang M, Ruiz D, Ross B, Verbitsky M, Kisselev S, Louis E, Comella C, Colcher A, Jennings D, Nancy M, Bressman S, **Scott W**, Tanner C, Andrews H, Waters C, Fahn S, Cote L, Frucht S, Ford B, Rezak M, Novak K, Friedman J, Pfeiffer R, Marsh L, Hiner B, Siderowf A, Payami H, Molho E, Nutt J, Factor S, Ottman R, Clark L, Marder K. Clinical and Genetic Characteristics of Participants with Juvenile PD: The CORE-PD Study. American Academy of Neurology (AAN) 64th Annual Meeting, New Orleans, Louisiana, April 21-28, 2012. Neurology 2012 78:IN10-2.001 / 78:S42.002.

100. Caccappolo E, Alcalay R, Marder K, Tang M, Rosado L, Mejia-Santana H, Ruiz D, Orbe-Reilly M, Ross B, Verbitsky M, Kisselev S, Louis E, Colcher A, Comella C, Siderowf A, Jennings D, Nance M, Bressman S, **Scott W**, Tanner C, Mickel S, Waters C, Fahn S, Cote L, Frucht S, Ford B, Rezak M, Friedman J, Marsh L, Hiner B, Payami H, Molho E, Ottman R, Clark L. The Effect of Parkin Mutation Status on Cognitive Functioning in EOPD Patients with Long Disease Duration: The Core-PD Study. American Academy of Neurology (AAN) 64th Annual Meeting, New Orleans, Louisiana, April 21-28, 2012. Neurology 2012 78:PD7.008.

101. Marder K, Tang M, Alcalay R, Rosado L, Mejia-Santana H, Caccappolo E, Ruis D, Orbe-Reilly M, Ross B, Louis E, Comella C, Colcher A, Siderowf A, Jennings D, Nance M, Rezak M, Novak K, Friedman J, Pfeiffer R, Marsh L, Hiner B, Payami H, Molho E, Factor S, Bressman S, **Scott W**, Tanner C, Mickel S, Andrews H, Waters C, Cote L. Frucht S, Ford B, Verbitsky M, Kisselev S, Ottman R, Clark L. Estimating the Cumulative Risk of PD in Carriers of Parkin Mutations: The CORE-PD Study. American Academy of Neurology (AAN) 64th Annual Meeting, New Orleans, Louisiana, April 21-28, 2012. Neurology 2012 78:PD4.007.

102. Vance JM, Bademci G, Nuytemans K, Beecham G, Edwards Y, Singer C, Nahab F, Rhodes S, Ritz B, Züchner S, Haines J, **Scott WK**. Identification of Rare Variants in Parkinson Disease Using Next-Generation Sequencing. American Academy of Neurology (AAN) 64th Annual Meeting, New Orleans, Louisiana, April 21-28, 2012. Neurology 2012 78:S22.007.

103. Wang G, Cade W, **Scott WK**, Whitehead P, Court BL, Pericak-Vance MA, Schwartz SG, Kovach JL, Agarwal A, Haines JL. The ARMS2 Gene and the Risk of Age-related Macular Degeneration. Poster Presentation at 2012 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 5-10, 2012. (3311/A447).

104. Wang L, Bademci G, Torres AL, Jauregui C, Zuchner S, **Scott WK**, Beecham GW, Martin ER, Vance JM. New deletions missed by current PCR techniques could lead to errors in UGT2B17 genotyping for doping tests in sports and association studies. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #453W.

105. Hadjixenofontos A, **Scott WK**, Barcellos LF, Haines JL, Pericak-Vance MA, McCauley JL. Gene-environment interaction studies in multiple sclerosis: The development of a reliable retrospective survey tool. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #603W.

106. D'Aoust LN, Cummings AC, Torstenson E, Davis MF, **Scott WK**, Pericak-Vance MA, Ritchie MD, Bush WS, Haines JL. Evaluating type 1 error in large pedigree analyses. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #665W.

107. Hicks JE, Gilbert JR, Jiang L, Cummings AC, Caywood L, Reinhart-Mercer L, Fuzzell D, Knebusch C, Laux R, Jackson CE, Pericak-Vance MA, Haines JL, **Scott WK**. Identification of loci enriched for nuclear-encoded mitochondrial proteins underlying mobility in oldest-old Amish. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #719W.

108. Haines JL, Cummings AC, Fuzzell D, Agarwal A, Gauthier J, Laux R, **Scott WK**, Pericak-Vance MA. Age-related macular degeneration in an Amish population: the reliability of self reporting disease. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #718W.

109. Courtenay MD, Naj AC, Cade WH, Whitehead PL, Konidari I, Schwartz SG, Kovach JL, Agarwal A, Wang G, Haines JL, Pericak Vance MA, **Scott WK**. Genomie-wide interaction analysis of exogenous estrogen in are-related macular degeneration (AMD): Novel association of Retinitis Pigmentosa and Retinoblastoma loci. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #724W.

110. Cummings AC, Liang L, Velez Edwards D, Laux R, McFarland LL, Caywood L, Reinhart-Mercer L, Fuzzell D, Knebusch C, Jackson CE, **Scott WK**, Pericak-Vance MA, Haines JL. Genome-Wide Study and Whole-Exome Sequencing for Dementia in the Amish. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #533T.

111. Jiang L, Davis MF, Cummings AC, Velez Edwards D, Laux R, McFarland LL, Reinhart-Mercer L, Fuzzell D, Knebusch C, Jackson CE, **Scott WK**, Pericak-Vance MA, Lee SL, Haines JL. Genome-wide association study for Parkinson's Disease in the mid-western US Amish. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #537T.

112. Pankratz N, Beecham GW, DeStefano AL, Dawson T, Doheny KF, Factor SA, Hamza TH, Hung AY, Hyman BT, Ivinson AJ, Krainc D, Latourelle JC, Clark LN, Marder K, Martin ER, Mayeux R, Ross OA, Scherzer CR, Simon DK, Tanner C, Vance JM, Wszolek ZK, Zabetian CP, Myers H, Payami H, **Scott WK**, Foroud T, the PD GWAS Consortium. Meta-analysis of Parkinson disease genome-wide association studies: Identification of a novel locus, RIT2, and multiple effects within known loci. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #539T.

113. Ayala-Haedo J, Martinez AG, Cade W, Konidari I, Agarwal A, Schwartz SG, Kovach JL, Wang G, **Scott WK**, Haines JL, Pericak-Vance MA. Rare functional variants in CFH, LIPC, and TLR3 segregate with severe bilateral AMD in multiplex families negative for known risk alleles. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #839T.

114. Chung RH, **Scott WK**, Vance JM, Martin ER. A novel analysis method based on gene-gene interactions in pathways defined by protein-protein interaction networks. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #658T.

115. **Scott WK**, Nuytemans K, Bademci G, Edwards YJK, Beecham GW, Davis MF, Cummings AC, Jauregui CA, Lee SL, Pericak-Vance MA, Haines JL, Vance JM. Whole-exome sequencing confirms locus heterogeneity underlying Parkinson disease in an extended Amish family. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #501F.

116. Bademci G, Nuytemans K, Mehta A, Jauregui C, Martinez AG, Beecham G, Edwards Y, Singer C, Nahab F, Rhodes S, Ritz B, Zuchner S, **Scott WK**, Vance JM. Identifying Rare Variants in Parkinson Disease via Whole Exome Sequencing. Poster presentation at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #509F.

117. Payami H, Hamza TH, Chen H, Hill-Burns EM, Rhodes SL, Montimurro J, Kay DM, Tenesa A, Kusel VI, Sheehan P, Eaaswarkhanth M, Yearout D, Samii A, Roberts JW, Agarwal P, Bordelon Y, Park Y, Wang L, Gao J, Vance JM, Kendler KS, Bacanu S, **Scott WK**, Ritz B, Nutt J, Zabetian CP, Factor SA. Platform session, presented at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, Montreal, Quebec, Canada, October 11-15, 2011, #287.

118. **Scott WK**, Naj AC, Cade WH, Courtenay MD, Schwartz SG, Kovach JL, Agarwal A, Wang G, Haines JL, Pericak-Vance MA. Genetic Factors in Non-smokers with Age-related Macular Degeneration Revealed Through Genome-wide Gene-environment Interaction Analysis. Poster Presentation at 2011 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 1-5, 2011. (#83/A218)

119. Ayala-Haedo JA, **Scott WK**, Cade W, Gallins PJ, Agarwal A, Schwartz SG, Kovach JL, Wang G, Haines JL. Pericak-Vance MA. Exome Sequencing in Multiplex AMD Families. Poster Presentation at 2011 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 1-5, 2011. (#5224/D1108)

120. Kovach JL, Agarwal A, Cade W, **Scott WK**, Taylor K, Schwartz SG, Gallins P, Wang G, Haines JL, Pericak-Vance MA. The Role of Genetics and Smoking in Response to Anti-VEGF Therapy for Wet AMD. Poster Presentation at 2011 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 1-5, 2011.(#5231/D1115)

121. Hoffman JD, Olson LM, Spencer KL, **Scott WK**, Agarwal A, Pericak-Vance MA, Kovach JL, Schwartz S, Iannaccone A, Haines JL. Ethnic Differences in Htra1/arms2 Association in Age-related Macular Degeneration. Poster Presentation at 2011 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 1-5, 2011. (#5232/D1116)

122. Agarwal A, Yaspan BL, Taylor K. Spencer K. Olson LM, Kovach JL, Schwartz SG, **Scott WK**, Pericak-Vance MA, Haines JL. Impact of Genes and Environment on AMD Progression. Poster Presentation at 2011 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 1-5, 2011. (#5239/D1123)

123. Wang G, **Scott WK**, Cade W, Court B, Spencer KL, Schwartz SG, Kovach JL, Agarwal A, Haines JL, Pericak-Vance MA. Functional Analysis of the Chromosome 10q26 Locus in Age-related Macular Degeneration Progression. Poster Presentation at 2011 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 1-5, 2011. (#5244/D1128)

124. Schwartz SG, **Scott WK**, Gallins PJ, Case W, Kovach JL, Agarwal A, Wang G, Spencer K. Haines JL, Pericak-Vance MA. The ARMS2 A69S Variant and Bilateral Advanced Age-related Macular Degeneration. Poster Presentation at 2011 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, Florida, May 1-5, 2011. (#5262/D1146)

125. Bademci G, Edwards YK, Beecham G, Khuri S, Tekin D, Martin E, **Scott W,** Ziang Z, Mash D, ffrench-Mullen J, Pericak-Vance M, Tsinoremas NF, Vance J. Pathway Analysis for Parkinson Disease: An Integrative Systems Biology Approach. Platform Presentation at the 63rd Annual Meeting of the American Academy of Neurology, Honolulu, Hawaii, April 9-16, 2011.

126. Alcalay R, Rosado L, Siderowf A, Ottman R, Caccappolo E, Mejia-Santana H, Tank M, Louis E, Ruiz D, Andrews H, Waters C, Fahn S, Cote L, Frucht S, Ford B, Orbe-Reily M, Ross B, Verbitsky M, Kisselev S, Comella C, Colcher A, Jennings D, Nance M, Bressman S, **Scott W**, Tanner C, Mickel S, Rezak M, Novak K, Friedman J, Pfeiffer R, Marsh L, Hiner B, Clark L, Marder K. Olfaction in Glucocerebrosidase Mutation Carriers with and without PD. Platform Presentation at the 63rd Annual Meeting of the American Academy of Neurology, Honolulu, Hawaii, April 9-16, 2011.

127. Cummings AC, Jiang L, Velez Edwards D, Laux R, McFarland LL, Gallins PJ, Caywood L, Creason M, Fuzzell D, Knebusch C, Jackson CE, **Scott WK**, Pericak Vance MA, McCauley JL, Haines JL. Genome-Wide Association Study for Dementia in the Amish finds non-APOE regions. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (2639).

128. Veatch OJ, Velez Edwards DR, **Scott WK**, Gilbert JR, Pericak-Vance MA, Haines JL. Identifying Copy Number Variation Influencing Risk for Alzheimer Disease in the Amish. Poster Presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (2728).

129. Davis M, Jiang L, Cummings AC, Laux R, McFarland LL, Gallins PJ, Reinhart-Mercer L, Fuzzell D, Knebusch C, Jackson CE, **Scott WK**, Pericak-Vance MA, Lee SL, Haines JL. Genome-wide association study for Parkinson's Disease in the mid-western US Amish. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (2654).

130. **Scott WK**, Naj AC, Cade WH, Gallins PJ, Whitehead PL, Konidari I, Courtenay MD, Olson LM, Spencer KL, Schnetz-Boutard NC, Schwartz SG, Kovach JL, Agarwal A, Wang G, Haines JL, Pericak-Vance MA. Gene-smoking interactions on chromosomes 5 and 18 in age-related macular degeneration revealed through genome-wide environmental interaction. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (2905).
131. Wang G, **Scott WK**, Whitehead P, Court BL, Schwartz SG, Kovach JL, Spencer KL, Agarwal A, Haines JL, Pericak-Vance MA. Identification of a novel transcript of ARMS2 gene in human retina. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (1581).

132. Hicks JE, Gilbert JR, Jiang L, Cummings AC, Velez-Edwards DR, Gallins PJ, Caywood L, Reinhart Mercer L, Fuzzell D, Knebusch C, Laux R, Jackson CE, Pericak-Vance MA, Haines JL, **Scott WK**. Genome-wide scan identifies loci associated with gait speed and handgrip in older Amish. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (1492).

133. Humphries CE, Naj AC, Edwards Y, Ulloa R, Beecham GW, Martin ER, Slifer MA, Powell EH, Gallins PH, Kondari I, Whitehead PH, Cai G, Haroutunian V, **Scott WK**, Vance JM, Gwirtsman HE, Buxbaum JD, Gilbert JR, Haines JL, Pericak-Vance MA. Pathway Analysis of Late-onset Alzheimer Disease Genome-wide Association Data Highlights Inflammatory and Neurodevelopmental Pathways. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (2655).

134. Naj A, Rajbhandary R, Beecham GW, Martin ER, Gallins PJ, Powell EH, Konidari I, Whitehead PL, Cai G, Haroutunian V, **Scott WK**, Vance JM, Slifer MA, Gwirtsman HE, Gilbert JR, Haines JL, Buxbaum JD, Pericak-Vance MA. Analysis of Heterogeneity in a Genome-wide Association of Late-Onset Alzheimer Disease Confirms Limited Heterogeneity for Strongest Associations. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (2636).

135. Bademci G, Edwards Y, Mehta A, Zuchner S, Torres A, **Scott WK**, Hedges D, Vance JM. Targeted Next Generation Sequencing for Rare Variant Detection in Patients with Early Onset Parkinson Disease. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (2722).

136. Olson LM, Spencer KL, Hoffman JD, Schnetz-Boutaud NC, Agarwal A, Kovach JL, Schwartz SG, Gallins P, Wang G, **Scott WK**, Pericak-Vance MA, Haines JL. Comparison of affection status classification using less affected eye versus severe affected eye in Age Related Macular Degeneration. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (3032).

137. Courtenay M, Gilbert JR, Jiang L, Cummings AC, Gallins PJ, Caywood L, Reinhart-Mercer L, Fuzzell D, Knebusch C, Laux R, McCauley JL, Jackson CE, Pericak-Vance MA, Haines JL, **Scott, WK**. Mitochondrial Haplogroup X is Associated with Successful Aging in the Amish. Platform presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010 (266).

138. Torres, AL, Zuchner S, Jauregui C, Martin ER, **Scott WK**, Vance J, Wang L. Contribution of copy number variation in familial Parkinson Disease. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010. (2598).

139. Edwards Y, Khuri S, Beecham G, Bademci G, Tekin D, Martin ER, **Scott WK**, Jiang Z, Mash D, Ffrench-Mullen J, Pericak-Vance MA, Tsinoremas N, Vance JM. A Novel Systems Biology Pathway Approach Identifying Pathways with Both Genetic and Biological Support in the Etiology of Parkinson's Disease. Poster presentation at The American Society of Human Genetics, 60th Annual Meeting, Washington, DC, November 2-6, 2010. (2128).

140. Wang G, **Scott WK**, Whitehead P, Court BL, Spencer KM, Kovach JL, Schwartz SG, Agarwal A, Haines JL, Pericak-Vance, MA. Localization of ARMS2 mRNA and Protein in Human Retina. Poster Presentation at the Association for Research in Vision and Ophthalmology (ARVO) 2010 Annual Meeting, Ft. Lauderdale, Florida, May 2-6, 2010.

141. Agarwal A, Mehta S, Spencer KM, Olson LM, Taylor K, **Scott WK**, Kovach JL, Schwartz SG, Pericak-Vance M, Haines JL. Association of Genes and Environment to Progression of Age-Related Macular Degeneration. Poster Presentation at the Association for Research in Vision and Ophthalmology (ARVO) 2010 Annual Meeting, Ft. Lauderdale, Florida, May 2-6, 2010.

142. Houston SK, Pina Y, **Scott WK**, Nathanson L, Schefler AC, Murray TG. Regional and Temporal Differences in the Genetic Expression of LHBetaTAg Retinoblastoma Tumors. Poster Presentation at the Association for Research in Vision and Ophthalmology (ARVO) 2010 Annual Meeting, Ft. Lauderdale, Florida, May 2-6, 2010.

143. Pina Y, Houston S, **Scott WK**, Nathanson L, Schefler A, Lampidis T, Celdran M, Herhandez E, Murray T. Retinoblastoma Molecular Genomics: Regional Differences in the Molecular Genomics Expression Following Treatment With 2-Deoxy-D-Glucose in LHBETATAG Retinal Tumors. Presented at the Association for Research in Vision and Ophthalmology (ARVO) 2010 Annual Meeting, Ft. Lauderdale, Florida, May 2-6, 2010.

144. **Scott WK**, Ayala-Haedo JA, Gallins PJ, Agarwal A, Postel EA, Schwartz SG, Kovach JL, Wang G, Haines JL, Pericak-Vance MA. Interaction between SNPs in the ESR1 and ESR2 genes and estrogen exposure in age-related macular degeneration. Poster Presentation at the Association for Research in Vision and Ophthalmology (ARVO) 2010 Annual Meeting, Ft. Lauderdale, Florida, May 2-6, 2010.

145. Schwartz SG, **Scott WK**, Gallins P, Kovach JL, Agarwal A, Postel EA, Wang G, Spencer KM, Haines JL, Pericak-Vance, MA. The ARMS2 69S Allele Associates With Bilateral Advanced Age-Related Macular Degeneration. Poster Presentation at the Association for Research in Vision and Ophthalmology (ARVO) 2010 Annual Meeting, Ft. Lauderdale, Florida, May 2-6, 2010.

146. Naj AC, Beecham GW, Martin EM, Gallins PJ, Powell EH, Konidari I, Whitehead PL, Guiqing C, Kajiwara Y, Haroutunian V, **Scott WK**, Vance JM, Slifer MA, Gwirtsman HE, Gilbert JR, Haines JL, Buxbaum JD, Pericak-Vance MA. Dementia Revealed: Novel Chromosome 6 Locus for Late-Onset Alzheimer disease Provides Genetic Evidence for Folate-Pathway Abnormalities. 62nd Annual Meeting of the American Academy of Neurology, Toronto, Ontario, Canada, April 10-17, 2010.

147. Bademci G, Vance J, Edwards T, Burt A, Zuchner S, **Scott WK**, Martin E, Wang L. Vitamin D Receptor Gene Confers Genetic Risks for Parkinson Disease. 62nd Annual Meeting of the American Academy of Neurology, Toronto, Ontario, Canada, April 10-17, 2010.

148. Srivastava A, Tang M, Louis E, Mejia-Santana H, Ottman R, Rosado L, Marder K, Comella C, Bressman S, Nance M, Siderowf A, Jennings D, Colcher A, **Scott WK**, Waters C, Cote L, Andrews H, Tanner C, Mickel S, Fahn S, Ross B, Frucht S, Verbitsky M, Ford B, Kisselev S, Alcalay R, Rexak M, Novak K, Neils G, Friedman J, Pfeiffer R, Marsh L, Hiner B, Clark L, Caccappolo E. Depression Among Carriers and Non-Carriers of Parkin Mutations. 62nd Annual Meeting of the American Academy of Neurology, Toronto, Ontario, Canada, April 10-17, 2010.

149. Alcalay R, Caccappolo E, Mejia-Santana H, Tang M, Rosado Llency, Verbitsky M, Ross, B, Kisseley S, Louis E, Comella C, Colcher A, Jennings D, Nance M, Bressman S, **Scott WK**, Tanner C, Mickel S, Andrews H, Waters C, Fahn S, Cote L, Frucht S, Ford B, Rezak M, Novak K, Friedman J, Pfeiffer R, Marsh L, Hiner B, Siderowf A, Ottman R, Marder K, Clark L. Frequency and Phenotypic Characteristics of PRKN, LRRK2, GBA, PINK1 and DJ1 Mutation Carriers in Early Onset PD: The CORE-PD. American 62nd Annual Meeting of the American Academy of Neurology, Toronto, Ontario, Canada, April 10-17, 2010.

150. Wang L, Edwards TL, Daffu G, Burt A, Konidari I, **Scott WK**, Zuchner S, Martin ER, Vance JM. Common Variant (CV) and Rare Deletion in the Tyrosine Hydroxylase Gene Contribute to Parkinson Disease Risk The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

151. Wang G, Spencer KL , **Scott WK**, Whitehead P, Court BL , Ayala-Haedo J, Schwartz SG, Kovach JL, Gallins P, Polk M , Agarwal A, Postel EA , Haines JL., Pericak-Vance MA. Analysis of the 3′UTR insertion/deletion polymorphism of ARMS2 gene in age-related macular degeneration. . The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

152. Velez DR, Gilbert JR, Myers JL, Jiang L, Davis AC, Gallins PJ, Konidari I, Caywood L, Creason M, Fuzzell D, Knebusch C, Laux R, Slifer ML, Jackson CE, Pericak-Vance MA, Haines JL, **Scott WK**. PARK2 and SVOPL loci are associated with successful aging in the Amish. The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

153. Spencer KL, Davis AC, Jiang L, Laux R, Gallins PJ, Schnetz-Boutaud N, McFarland LL, Fuzzell D, Knebusch C, Creason M, Caywood L, McCauley JL, Jackson CE, **Scott WK**, Pericak-Vance MA, Haines JL. Heritability of Longevity in the Amish. The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

154. Slifer M, **Scott W**, Gallins P, Pericak-Vance M, Haines J. Late-Life Depression Is Heritable Among Old Order Amish. The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

155. Sirugo G, Velez DR, Schim van der Loeff MF, Williams SM, Edwards TL, **Scott WK**, Bisseye C, Tacconelli A, Brunetti E, Novelli G, Aaby P, Kaye S, Jaye A, Whittle HC, Hill AV, Hennig BJ. CD4 Intragenic SNPS Associate with HIV-2 Plasma Viral Load and CD4 Counts in a Cohort from Guinea-Bissau, West Africa. The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

156. **Scott WK**, Velez DR, Hulme WF, Myers JL, Stryjewski ME, Abbate E, Estevan R, Patillo SG, Olesen R, Wejse C, Sirugo G, Tacconelli A, Gilbert JR, Hamilton CD. Variants in Toll-like receptor 2 (*TLR2*) associate with pulmonary tuberculosis in Caucasians and West Africans. The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

157. Jiang L, Davis AC, Laux R, McFarland LL, Gallins PJ, Jackson CE, **Scott WK**, Pericak-Vance MA, McCauley JL, Lee SL, Haines JL. Genome-wide association study for Parkinson's Disease in the mid-western US Amish. The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

158. Edwards T, **Scott WK**, Almonte C, Burt A, Powell EH, Beecham G, Wang L, Zuchner S, Konidari I, Wang G, Pericak-Vance M, Haines J, Vance J, Martin ER. Genome-wide significant confirmation of SNPs in SNCA and the MAPT region as common risk factors for Parkinson disease. The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

159. Davis AC, Jiang L, Laux R, McFarland LL, Gallins PJ, Jackson CE, **Scott WK**, Pericak-Vance MA, McCauley JL, Haines JL. Genome-wide association study in the Amish indicates non-APOE genetic effects for dementia. The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

160. Chung RH, Edwards TL, **Scott WK**, Almonte C, Burt A, Powell EH, Beecham G, Konidari I, Pericak-Vance MA, Haines J, Zuchner S, Wang G, Wang L, Vance JM, Martin ER. Predictive modeling for Parkinson Disease. The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

161. Ayala Haedo JA, Velez DR, Polk M, Gallins PJ, Whitehead PL, Agarwal A, Postel EA, Schwartz SG, Kovach JL, Wang G, Haines JL, **Scott WK**, Pericak-Vance MA. Interaction between SNPs in the *ESR1* gene and estrogen exposure in age-related macular degeneration. The American Society of Human Genetics (ASHG) 59th Annual Meeting, Honolulu, Hawaii, October 20-24, 2009.

162. **Scott WK**, Burt A, Yu K, Wang L, Martin ER, Vance JM. Association Mapping of the Chromosome 5 Parkinson Disease Linkage Region. 13th International Congress of Parkinson's Disease and Movement Disorders, Paris, France, June 7-11, 2009.

163. Wang G, Court BL, Spencer KL, **Scott WK**, Haines JL, Pericak-Vance MA. Analysis of the indel at 3'UTR of ARMS2 and its effects on mRNA stability. Presented at the Association for Research in Vision and Ophthalmology (ARVO) 2009 Annual Meeting, Ft. Lauderdale, Florida, May 3-7, 2009.

164. Velez DR, Gallins PJ, Polk M, Schwartz SG, Kovach JL, Agarwal A, Postel EA, Spencer KL, Wang G, Haines JL, Pericak-Vance MA, **Scott WK**. Inverse association of female hormone replacement therapy and oral contraceptive use with age related macular degeneration and interactions with ARMS2 promoter polymorphisms. Presented at the Association for Research in Vision and Ophthalmology (ARVO) 2009 Annual Meeting, Ft. Lauderdale, Florida, May 3-7, 2009.

165. Slifer MA, Vance JM, Beecham GW, Wang G, Gallins P, Whitehead PL, Scott WK, Martin ER, Haines JL, Pericak-Vance MA. Identical Association with Depression in both Alzheimer and Parkinson Disease. The American Academy of Neurology (AAN) 61st Annual Meeting. Seattle, Washington, April 25-May 2, 2009.

166. Velez DR, Morris GAJ, Wejse C, Hill P, Bisseye C, Olesen R, Sodemann M, Edwards TL, Tacconelli A, Brunetti E, Novelli G, Aaby P, Østergaard L, **Scott WK,** Adegbola RA, Williams SM, Sirugo G. IL-12B and MCP1 (CCL2) genomic variations associate with pulmonary tuberculosis in two independent West African populations. Poster presentation at the 6th Annual meeting of the African Society of Human Genetics, Yaoundé, Cameroon, March 13-15, 2009.

167. **Scott WK**, Velez DR, Sirugo G, Hulme WF, Myers JL, Stryjewski ME, Abbate E, Estevan R, Patillo SG, Gilbert JR, Hamilton CD. Association of SLC11A1 polymorphisms and pulmonary tuberculosis and interactions with NOS2A and TLR2 in African-American and Caucasian families. Poster presentation at the 6th Annual meeting of the African Society of Human Genetics, Yaoundé, Cameroon, March 13-15, 2009.

168. Vance JM, Edwards TL, Foroud T, Myers R, Beecham GW, Wang L, Burt A, Singer C, Martinez AG, **Scott WK**, Pericak-Vance MA, Martin ER. Genome Wide Association Studies (GWAS) in two Parkinson Datasets. 9th International Conference – Alzheimer's Disease and Parkinson's Disease (AD/PD), Prague, Czech Republic, March 11-15, 2009.

169. Vance J, Butler M, **Scott W**, Martin E, Wang L. Association of Vitamin D Receptor (VDR) in Parkinson Disease. A genetic risk factor for neurodegeneration. 9th International Conference – Alzheimer's Disease and Parkinson's Disease (AD/PD), Prague, Czech Republic, March 11-15, 2009.

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***Patents Awarded*:**

Genetic variants increase the risk of age-related macular degeneration. US Patent Number 8,088,587, Pericak-Vance, Postel, Hauser, Schmidt, Scott, Haines, and Agarwal, inventors. (January 3, 2012)

V. PROFESSIONAL

Funded research performed in the past five years:

Present:

Grant Name/Number, (PI), Title, Funding Agency	Role on Grant	Effort in calendar months	Approximate Amount of Total Award (Budget Period)	Duration (Full Project Period)
1T32EY023194-04 (Scott, WK) NIH/NEI *"University of Miami Computational Ocular Genomics Training Program"* To understand what causes eye disease requires scientists trained in both computational genomics and vision science; this program, located at one of the premier institutions for human genetics and ophthalmologic research, addresses that need for training scientists in this area.	PD/PI	0.6	$804,091	01/01/2013-12/31/2018 *No-cost extension*
5R01GM034883-30 (Bowman C - U/Penn / Scott, WK) Subcontract NIH/UPenn *"Role of Mitochondria-Targeted CYP2D6 in Chemical Toxicity"* The major objective and deliverable is to analyze cryopreserved brain regions for betacarbolines and isoquinolines and their respective metabolites by 2D LC/MS, and to correlate the levels of these compounds and metabolites with mt-CYP2D6 levels and neuronal pathology (Braak stage) in substantia nigra (pars compacta), amygdala and posterior putamen.	PI on Subcontract	0.72	$385,955	01/01/2018-12/31/2018
1R01EY023164-05 (Stambolian, D - U/Penn / Pericak-Vance, M) Subcontract NIH/UPenn *"Genetic Epidemiology of Age-related Macular Degeneration in the Old Order Amish"* We propose to unravel the genetic architecture of AMD through the use of high resolution phenotyping and rare variant discovery will facilitate identification of disease-associated sequence variants that can be translated to and from model organisms for parallel pathway exploration. We will restrict our discovery of rare variants and "endophenotypes" to a very	Co-Investigator	0.6 (Years 2-5 only) *No effort requestedd during NCE*	$2,603,238	02/01/2013-01/31/2019 *No-cost extension*

Grant Name/Number, (PI), Title, Funding Agency	Role on Grant	Effort in calendar months	Approximate Amount of Total Award (Budget Period)	Duration (Full Project Period)
specific genetically and culturally isolated population, the AMISH living in Pennsylvania, Ohio and Indiana. UM will ascertain and sequence cases and controls from those Amish communities.				
5R01AI068804-10 (Fowler, VG) NIH/NIAID / Duke University *"Host Susceptibility S. aureus"* The overall goal of this project is to further understand why some individuals develop Staphylococcus aureus infection, and of those with bacteremia, only some develop adverse outcomes.	PI on Subcontract	0.6	$1,432,010	03/15/2007–04/30/2019 *No-cost extension*
1U54MD010722-02 (Wilkins C Vanderbilt / Weiss RE) Subcontract NIH-NIMHD/ Vanderbilt *"Center for Excellence in Precision Medicine and Population Health"* The Center will leverage unique assets and resources to develop novel methods and approaches to advance population health to examine determinants that drive disparity broadly and not for a specific disease phenotype. For this project, we will provide expertise, strategic advice and practical support to consortium members developing and implementing projects.	Co-Investigator Training & Mentoring Core	0.6	$3,485,850	05/19/2016-03/31/2021
1R56AI130947-01 (Williams S) Subcontract NIH-NIAID/ Case Western Reserve *"Genetics of TB resistance in HIV positive subjects"* We will coordinate GWAS genotyping in approximately 1,500 individuals from two TB cohorts.	PI on Subcontract	0.6	$192,939	08/01/2017-07/31/2019 *No-cost extension*
1RF1AG058066-01 (Haines J/Pericak-Vance MA/Scott WK) NIH/Case Western Reserve *"Protective Genetic Variants for Alzheimer Disease in the Amish"* Alzheimer disease (AD) is the most common form of dementia in older individuals and carries a huge personal and societal emotional and financial burden. Although genetic variation significantly contributes to AD risk, studies to identify protective genetic variation are few. Studies of cognitively normal individuals in the genetically and culturally isolated Amish communities is a powerful	Multi-Principal Investigator	0.6	$7,537,708	09/15/2017-06/30/2022

Grant Name/Number, (PI), Title, Funding Agency	Role on Grant	Effort in calendar months	Approximate Amount of Total Award (Budget Period)	Duration (Full Project Period)
approach toward identification of genetic variation that protects against AD.				
1RF1AG058066-01S1 (Haines J/Pericak-Vance MA/Scott WK) NIH/Case Western Reserve *"Protective Genetic Variants for Alzheimer Disease in the Amish" - Supplement* The requested supplement is primarily to add ascertainment personnel at each site, with small amounts for miscellaneous supplies and coverage for local travel for the ascertainment personnel. These funds will both increase the speed of the ascertainment of CN individuals and allow collection of additional clinical and neuropsychological data (and samples, if necessary) on the cognitively impaired individuals.	Multi-Principal Investigator	No effort requested	$406,875	09/01/2018-06/30/2022
HHSN271201300028C-05 (Scott, WK) NIH *"Brian and Tissue Repository Contract"* Development of a centralized brain and tissue biorepository to supply neurodegenerative, developmental and psychiatric diseased tissue to academic and industry scientists in order to advance biospecimen science and the economic opportunities emerging in the biomedical and biotechnology sectors.	PI	3.6	$926,309 *(YEAR 5)*	09/01/2013-08/31/2021
HHSN271201300028C SUB 01 (Scott, WK) NIH *"Contract Options Award"* Increased support for the processing, storage, archiving, and distribution of specimens in support of the GTEx project, an NIH Roadmap Initiative, which provides a research resource to the scientific community with which to study the relationship between genetic variation and regulation of gene expression.	PI	1.2	$409,488	09/01/2018-08/31/2019
M2018112 (Scott, WK) BrightFocus *"Genetic factors accelerating progression to advanced AMD"* We will use detailed clinical examinations of the eye and large-scale genetic analysis	PI	0.3	$160,000	07/01/2018-06/30/2020

Grant Name/Number, (PI), Title, Funding Agency	Role on Grant	Effort in calendar months	Approximate Amount of Total Award (Budget Period)	Duration (Full Project Period)
to identify new genetic factors that are associated with changes in the eye over time and with development of advanced AMD. The results of this study will improve our understanding of the AMD disease process and provide potential avenues for development of targeted therapies. “				

Pending:

Grant Name/Number, (PI), Title, Funding Agency	Role on Grant	Effort in calendar months	Approximate Amount of Total Award (Project Period)	Duration (Full Project Period)
5R01AI068804-11 (Fowler, VG) NIH/NIAID / Duke University *"Host Susceptibility S. aureus"* The overall goal of this project is to further understand why some individuals develop Staphylococcus aureus infection, and of those with bacteremia, only some develop adverse outcomes.	Multi-PI on Subcontract	1.8	$1,951,836	04/01/2018-03/31/2023
1T32EY023194-05 (Scott, WK) NIH/NEI *"University of Miami Ocular Genomics Training Program"* Many common diseases of the visual system, such as macular degeneration and glaucoma, are now known to be caused by a complex web of genetic and environmental factors. Modern technology now allows scientists to generate very large data sets with information about all the genes and proteins in the eye. Analyzing such data sets to understand what causes eye disease requires scientists broadly trained in *computational and molecular genetics* and their applications to the visual system; this program, located at one of the premier institutions for human genetics and ophthalmologic research, addresses that need for training scientists in this area.	PD/PI	0.6	$785,225	04/01/2019-03/31/2024

Completed (Last five years):

Grant Name/Number, (PI), Title, Funding Agency	Role on Grant	Effort in calendar months	Approximate Amount of Total Award (Budget Period)	Duration (Full Project Period)
5P50 NS071674-10 (Vance JM) NIH/NINDS *"The Genetics of Parkinsonism - Morris K. Udall Parkinson's Disease Research Center of Excellence"* *Core B: "Clinical Resource Core"* The overall goal of the center is to identify genes or genetic mechanisms that cause or contribute to an individual's susceptibility to Parkinson Disease (PD) and to translate these discoveries into early detection of risk or disease, as well as provide therapeutic targets for PD.	PI on Core B	0.36	$9,323,715	09/01/2010-08/31/2018 *No-cost extension*
7R01EY012118-17 (Pericak-Vance, MA/Scott WK) NIH/NEI *"Genomic Architecture of Progression and Treatment Response in AMD"* The goal of this proposal is to increase our understanding of the genetic etiology of progression and treatment response in AMD, both of which have been understudied. Identifying the genes underlying clinical outcomes is directly relevant to better directing current treatments and developing new and better treatments and regimens for those suffering this disabling disorder.	Multiple Principal Investigator	.24	$7,575,227	06/15/2000-07/31/2018 *No-cost extension*
1R01EY023164-05 (Stambolian, D U/Penn / Pericak-Vance, M) Subcontract NIH/UPenn *"Genetic Epidemiology of Age-related Macular Degeneration in the Old Order Amish"* We propose to unravel the genetic architecture of AMD through the use of high resolution phenotyping and rare variant discovery will facilitate identification of disease-associated sequence variants that can be translated to and from model organisms for parallel pathway exploration. We will restrict our discovery of rare variants and "endophenotypes" to a very specific genetically and culturally isolated population, the AMISH living in Pennsylvania, Ohio and Indiana. UM will	Co-Investigator	0.6 (Years 2-5 only) No effort during NCE	$2,603,238	02/01/2013-01/31/2019 *No-cost extension*

Grant Name/Number, (PI), Title, Funding Agency	Role on Grant	Effort in calendar months	Approximate Amount of Total Award (Budget Period)	Duration (Full Project Period)
ascertain and sequence cases and controls from those Amish communities.				
3KN08 (Wang, G) James and Esther King Biomedical Research Program *"Determine smoking susceptibility loci in age-related macular degeneration"* The primary goal of the proposal is to determine whether there are susceptibility loci in retina associated with tobacco smoke exposure.	Mentor	.36	$400,000	07/01/2012-12/31/2015 *(no-cost extension)*
5T15 HG000026-18 (Scott, WK) NIH/NHGRI *"Genetic Analysis Methods for Medical Researchers"*	PI	0.6	$567,328	01/01/1994-01/31/2014 *(no-cost extension)*
(Pericak-Vance M / Scott WK) BrightFocus Foundation *(formerly AHAF)* *"Whole Exome Sequencing in Age-Related Macular Degeneration"*	Co-PI	.24	$100,000	07/01/2011-06/30/2013
New Investigator Research (NIR) (Wang, L) James and Esther King Biomedical Research Program *"Understanding the Mechanisms of Smoking on Complex Diseases From NOS2A-Smoking Interaction"*	Mentor / Co-Investigator	0.6	$399,979	07/01/2010-06/30/2013
1 P50 NS071674-01 (Vance, JM) NIH/NINDS *"The Genetics of Parkinsonism - Morris K. Udall Parkinson's Disease Research Center of Excellence"*	Co-Investigator	0.6	$918,000	09/01/2010-08/31/2015

Editorial Responsibilities:

Date	*Responsibilities*
2018	Editor (with M. Ritchie), *Genetic Analysis of Complex Disease, 3rd Edition*, Wiley.
2012-2017	Consulting Editor, *Journal of Clinical Investigation*
2011-present	Review Editor, *Frontiers in Genetics of Aging*
2005	Editorial Board, *Gale Encyclopedia of Genetic Disorders*, 2nd Edition
2001	Editorial Board, *Gale Encyclopedia of Genetic Disorders*

Professional and Honorary Organizations:

Date	*Organization*
2018	Session Moderator, Session 438, Novel Genes Found Through Methods Old and New, Association for Research in Vision and Ophthalmology, April 29-May 3, 2018, Honolulu, HI.
2016	Session Moderator, Psychiatric Genetics, Neurogenetics, and Neurodegeneration 2, The 13th International Congress of Human Genetics, Kyoto, Japan, April 3-7, 2016. Session O24.
2015	Panel Member, Mock Study Section (Trainee Education Event), The 65th Annual Meeting of the American Society of Human Genetics, Baltimore, MD, October 6-10, 2015
2013	Abstract Reviewer, American Society for Human Genetics Annual Meeting
2012	Session Organizer and Moderator, Next-generation sequencing in isolated populations: opportunities for accelerated gene discovery in complex traits. The 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, CA, November 6-10, 2012, Session #27.
2006-present	Member, Association for Research in Vision and Ophthalmology (ARVO)
1997-2005	Member, International Genetic Epidemiology Society (IGES)
1996-present	Member, American Society of Human Genetics (ASHG)
1996-1998	Member, Society for Epidemiologic Research
1995	Presider, APHA Gerontological Health Section Session
1995-1996	Abstract Reviewer, APHA Gerontological Health Section Session
1994	Moderator, SCPHA Contributed Papers Session
1992-1995	Member, South Carolina Public Health Association (SCPHA)
1992-1993	President, USC Student Public Health Association
1992-1993	Member, USC School of Public Health Academic Responsibility Committee
1992-1993	Member, USC School of Public Health Student Awards Committee
1991-1997	Member, American Public Health Association (APHA)
1991-1995	Member, USC Student Public Health Association

Honors and Awards:

Date	*Honor / Award*
2017-2018	Outstanding Graduate Program Director Award, University of Miami Graduate School
2016-2017	Nominee, Outstanding Graduate Program Director, University of Miami Graduate School
1998	Junior Investigator Travel Award, Sixth International Conference on Alzheimer's Disease and Related Disorders, Amsterdam, The Netherlands
1996	Postdoctoral Travel Award, Fifth International Conference on Alzheimer's Disease and Related Disorders, Osaka, Japan
1996	Student Scholarship, Genetic Analysis Methods for Medical Researchers
1995	Delta Omega (Public Health Honorary)
1993	USC Department of Epidemiology and Biostatistics Outstanding Graduate Award
1991–1995	US Public Health Service Predoctoral Traineeship, University of South Carolina
1989	Omicron Delta Kappa

1987–1991 National Merit Scholar, Thomas J. Watson Scholar

Post-doctoral Fellowships:

Date	*Fellowship*
1996–1997	Genetic epidemiology post-doctoral fellowship, Duke University Medical Center

Other Professional Activities:

Date	*Grant and Proposal Reviewer*
2018	Chair, Review Panel, BCF-PC Parkinson Platform Grant, June 2018
2018	Ad-hoc telephone reviewer, BDCN J81 (NIH), June 2018.
2018	Reviewer, Utzicht (Netherlands)
2017	Reviewer, BrainCanada Parkinson Platform Grant Letters of Intent, December 2017.
2017	Reviewer, NIH/CSR Genetics of Health & Disease (GHD), November 2017.
2016	Reviewer, NIH/NEI ZEY1 VSN(03): NEI T32/T35/K12 Review Committee, October 2016.
2016	Member, CTSI KL2 (K12), Miami Clinical and Translational Science Institute, Renewal Application Advisory Committee, University of Miami.
2016	Reviewer, NIH/CSR ZRG1 F08-B, Fellowship Reviews, June 2016.
2016	Reviewer and Chair, NIH/CSR ZRG1 PSE-C (03) Member Conflict Special Emphasis Panel.
2015	*Ad-hoc* Reviewer, NIH/CSR Genetics of Health & Disease (GHD), June and October.
2015	Reviewer, CTSI KL2 (K12), Miami Clinical and Translational Science Institute, University of Miami.
2014	Member, NIH/NEI ZEY VSN(04) Special Emphasis Panel: NEI Retinal Disease Epi/genetic grant applications.
2014	Member, NIH/NIEHS (LWJ-K) Special Emphasis Panel, “Neurodegenerative Disorders Review”.
2014	Member, NIH/NEI (VSN 05) Special Emphasis Panel, “K12, T32, and T35 Training Mechanisms”
2013	Member, NIH NEI (VSN 05) Special Emphasis Panel, “NEI Institutional Training Grant and Conference Grants”
2013	Member, Patient Centered Outcomes Research Institute (PCORI) Phase I Review Committee
2012-2015	Member, Parkinson Study Group (PSG) Scientific Review Committee
2012	Reviewer, Agence Nationale de la Recherche (France) Programme Blanc International II 2012
2011-2012	Reviewer, Interdisciplinary Research Development Initiative (IRDI), University of Miami
2010	Member, NIH/NEI (VSN 01) Special Emphasis Panel, “NEI T32 and T35 Review”
2010-2011	Member, NIH/CSR GGG (F08) Special Emphasis Panel, fellowship applications
2010	European Research Council 7th Framework Program Advanced Grant Review
2010-2012	NIH College of CSR Reviewers
2010	Member, NIH Special Emphasis Panel, ZRG1 PSE-E 02 “Member Conflicts of NAME and IRAP”
2009	A*d Hoc* Mail Reviewer, NIH/CSR/HOP, RC1 challenge grants
2006–2009	Member, Parkinson Study Group Scientific Review Committee
2005–2008	Standing member, Neurological, Aging, and Musculoskeletal Epidemiology (NAME) Study Section (NIH/CSR)
2004	Member, NIH/NINDS Special Emphasis Panel, ZNS1 SRB-M “Udall Centers”
2003–2005	Member, NIH/CSR *Ad hoc* Panel, “Epidemiology of clinical disorders and aging” (ECDA), October 2003, February 2004, October 2004, February 2005

2003 Member, NIH/NINDS Special Emphasis Panel, ZNS1 SRB-W(01). "Brain Disorders in the Developing World: Research Across the Lifespan," August
2003 Grant Reviewer, Alzheimer's Association
2003 Member, NIH/CSR Special Emphasis Panel, SSS-Y (10)B, March and July
2002 Member,NIH/NINDS Special Emphasis Panel, ZNS1 SRB-A(04). "NeuroAIDS Studies"
2002 Grant Reviewer, Alzheimer's Association
2002 Research Proposal Reviewer, Health Research Board of Ireland
2001 Research Proposal Reviewer, Vanderbilt University Intramural Discovery Grant Program
2000 Member, NIH/NINDS Special Emphasis Panel, ZNS1 SRB-W. "Role of Parkin and Parkin-Related Proteins in PD"
1999 Research Proposal Reviewer, Retirement Research Foundation
1999 Member, Contract Proposal Review Panel, NIDA Center for Genetic Studies
1998 Research Proposal Reviewer, VA Medical Research Program

Invited Speaker:

Date *Presentation*

2015 Invited Speaker, "Genomic Medicine Training Opportunities in Medical Education: Lessons from the first three years of the University of Miami Master of Science in Genomic Medicine Program." Association of Professors of Human and Medical Genetics Annual Meeting, Clearwater FL, May 2015.
2015 Invited Speaker, "Vitamin D deficiency, Parkinson disease, and gene-environment interaction," Department of Genetics Distinguished Speaker Seminar, Dartmouth College, Hanover, New Hampshire, April 2015.
2014 Invited Speaker, "Genetic Studies in Neurologic Diseases at the Hussman Institute for Human Genetics," McKnight Brain Institute – The Florida Brain Project Inaugural Symposium – Why Florida is the "State of Brain Research", Tallahassee, Florida, July 2014.
2014 Invited Speaker, "Gene-Environment Interaction in Age-Related Macular Degeneration," Dr. John T. Macdonald Foundation Department of Human Genetics, Special Human Genetics & Genomics Seminar, University of Miami Miller School of Medicine, Miami FL, May 2014.
2014 Invited Speaker, "Variations in Pattern Recognition Receptor Genes and Human Susceptibility to Tuberculosis and Staphylococcal Sepsis," Department of Epidemiology and Biostatistics Seminar Series, Case Western Reserve University, Cleveland, OH, 2014.
2013 Invited Speaker, "Gene-Environment Interaction in Complex Diseases," Dr. John T. Macdonald Foundation Department of Human Genetics, Special Genetics Lecture Series, University of Miami Miller School of Medicine, Miami FL, November 2013.
2013 Invited Speaker, "Plainly Complex: Genetic Studies of Aging-Related Traits in the Amish," Department of Biochemistry & Molecular Biology Seminar, The Pennsylvania State University, State College, Pennsylvania, April 2013.
2013 Invited Speaker, "Parkinson's and Pesticides." Facilitated group discussion at the National Parkinson Foundation Chapter Meeting, Hyatt Regency Miami, January 2013.
2012 Invited Speaker, "Fine-mapping linkage of age-related traits using whole-exome sequencing in a Midwestern Amish population sample," Invited Scientific Session: Next-Generation Sequencing in Isolated Populations: Opportunities for Accelerated Gene Discovery in Complex Traits. The 62nd Annual Meeting of the American Society of Human Genetics (ASHG), San Francisco, California, November 6-10, 2012. Session # 27.

2012 Invited Speaker, "Environmental Modifiers: What is possible for Huntington's disease" presented to the Cure Huntington's Disease Initiative (CHDI) Enroll-HD Investigators Meeting, Dublin, Ireland, June 2012.

2011 Invited Speaker, "Autopsy-confirmed PD GWAS Consortium (APDGC) Update" presented to the 13th Annual Udall Center Directors' Meeting**,** Washington, DC, September 2011.

2011 Invited Speaker, "Genetics, Environment, and PD" presented to the South Palm Beach County Chapter of the National Parkinson Foundation, 2011 Parkinson Support Group. Volen Center, Boca Raton, Florida, April 2011.

2011 Invited Speaker, "Parkinson Disease: Genomic Update" presented to the Baptist Nurse Associates, Baptist Hospital, Miami, Florida, February 2011.

2010 Invited Speaker, "CFS Genomics Research" presented at the Chronic Fatigue Syndrome Awareness Day Presentation and Discussion Seminar, University of Miami Miller School of Medicine, Miami, Florida, May 2010.

2010 Invited Speaker, "Parkinson Disease: Genomic Update" presented at the Parkinson Education Network (PEN) Educational Conference: Your Stepping Stone to Wellness. Signature Grand, Davie, Florida, April, 2010.

2010 Invited Speaker, "Genetics of Eye Disease" presented at the Hussman Institute for Human Genomics (HIHG) Lecture Series, HIHG SPEAKS, University of Miami Miller School of Medicine, Miami, Florida, March 2010.

2010 Invited Speaker, "Genetic Factors in Infectious Diseases using *Mycobacterium* infection as a model" presented to the Department of Medicine, Division of Infectious Diseases Fellows, University of Miami Miller School of Medicine, Miami, Florida, February 2010.

2010 Invited Speaker, "Genetic Studies of Successful Aging" presented at the Department of Medicine, Division of Gerontology and Geriatric Medicine Grand Rounds, University of Miami Miller School of Medicine, Miami, Florida, February 2010.

2009 Invited Speaker, "Common Variants in Innate Immunity Genes Influence Susceptibility to Pulmonary Tuberculosis in Three Populations" presented at the Department of Biochemistry and Molecular Biology Seminar, University of Miami Miller School of Medicine, Miami, Florida, December 2009.

2009 Invited Speaker, "Parkinson Disease: Genomic Update" presented at the Parkinson Education Network (PEN) Educational Conference: Embracing Life. Signature Grand, Davie, Florida, August, 2009.

2009 Invited Speaker, "Genetic Susceptibility to Tuberculosis: replication of IL12B association in samples from multiple populations" presented at the 6th Annual Meeting of the African Society of Human Genetics. Yaoundé, Cameroon, March 13-15, 2009.

2009 Invited Speaker, "Pesticide Exposure and Parkinson's Disease: Is there a Link?" presented at the National Parkinson Foundation Educational seminar – Preventing Parkinson's Disease. Northern Trust Bank, Aventura, Florida, January, 2009.

2008 Invited Speaker, "Genetics of Alzheimer Disease: Implications for Public Health" presented at the 20th Anniversary Celebration of the South Carolina Alzheimer Disease Registry, University of South Carolina Arnold School of Public Health. Columbia, South Carolina, November, 2008.

2008 Invited Speaker, "Genetic Susceptibility to Tuberculosis: Results from the Carolinas Study" presented at the 58th Annual meeting of the Tuberculosis Respiratory Disease Institute. Carolina Beach, North Carolina, October, 2008.

2008 Invited Speaker, "Genetic Epidemiology" presented at the 60th Annual Meeting of the American Academy of Neurology. Chicago, Illinois, April, 2008.

2008 Invited Speaker, "Genetics of Complex Disease" presented at the Medical Alumni Weekend, University of Miami Miller School of Medicine. Miami, Florida, March 2008.

2008 Invited Speaker, "Successful Aging: Genes vs. Lifestyle" presented at the meeting of the Coral Gables Citizens' Board, Medical Wellness Center, University of Miami Miller School of Medicine, Miami, Florida, January 2008.

2008 Invited Speaker, "The University of Miami Morris K. Udall Parkinson Disease Research Center" presented at the Parkinson's Action Network, 14th Annual Research and Public Policy Forum, Plenary Session: "Federally Funded Parkinson's Disease Research." Washington, DC, February 2008.

2007 Invited Speaker, "Genetic Susceptibility to Pulmonary Tuberculosis" presented at the Department of Microbiology and Immunology, University of Miami Miller School of Medicine. Miami, Florida, December 2007.

2007 Invited Speaker, "Genetic Susceptibility to Pulmonary Tuberculosis" presented at the Dr. John T. Macdonald Foundation Center for Medical Genetics, University of Miami Miller School of Medicine. Miami, Florida, July 2007.

2006 Invited Speaker, ''Innate immunity genes and susceptibility to pulmonary tuberculosis", presented at the 56th Annual Meeting of the American Society of Human Genetics, New Orleans, Louisiana, October 2006.

2006 Invited Speaker, "Genetic and Environmental Risk Factors for Parkinson Disease," presented at National Institute of Environmental Health Sciences, Research Triangle Park, NC, May 2006.

2006 Invited Speaker, "Progress in Genetic Research in Parkinson's Disease", presented at Living with Parkinson's 2006, Durham, April 2006.

2005 Invited Speaker, "Implications of smoking history on genetic and epidemiologic studies of Parkinson disease," presented at National Parkinson Foundation 9th International Symposium on Parkinson Research, Washington, DC, November 2005.

2005 Invited Speaker, "Environmental Trigger for Parkinson disease," presented in the Toxicogenomics invited session, American Society for Human Genetics, Salt Lake City, UT, October 2005.

2005 Invited Speaker, "Genetic Epidemiology of Parkinson Disease," presented at Instituto Gulbenkian de Ciência, Oerias, Portugal, January 2005

2003 Invited Speaker, "Genetic Epidemiology of Parkinsonism and Dementia," Plenary Session at the National Society of Genetic Counselors annual meeting, Charlotte, NC, September 2003.

2003 Invited Speaker, "Genetic and Environmental Risk Factors for Parkinson Disease", presented in the Duke University Program in Genetics Seminar Series, Durham NC, May 2003.

2002 Invited Speaker, "Genetic Epidemiology of Alzheimer Disease," presented at the Division of Geriatrics Noon Conference, University of South Carolina School of Medicine, Columbia, SC, October 2002.

2002 Invited Speaker, "The Future of Genetic Research in the Diseases of Aging," presented at the Third Annual Symposium on Aging, Covenant Health Senior Services Programs, Knoxville, TN, September 2002.

2002 Invited Speaker, "Genetic Studies of Parkinson Disease," presented in the Scientific Seminar Series, Marshfield Medical Research Foundation, June 2002.

2002 Invited Speaker, "Genetics and Public Health: Is Alzheimer Disease a Suitable Model?" presented at the Office of Genomics and Disease Prevention Genetics Speaker Series, Centers for Disease Control and Prevention, Atlanta, GA, March 2002.

2002 Invited Speaker, "Genetic Studies of Parkinson Disease," presented in the Department of Molecular Physiology and Biophysics Seminar Series, Vanderbilt University, Nashville, TN, January 2002.

2001 Invited Speaker, "Genetic Studies of Complex Human Diseases," presented in the Department of Genetics Seminar Series, North Carolina State University, Raleigh, NC, April 2001.

2000 Invited Speaker, "Fine-Mapping of the Chromosome 12 Alzheimer Disease Locus" presented at the Taub Institute at Columbia University, New York, New York, October 2000.

2000 Invited Speaker, "Association Studies of Complex Genetic Traits," presented at GCRC Bioinformatics Conference: Human Genetics and Clinical Research, New Orleans, LA, September 2000.

2000 Invited Speaker, "Genetic Findings in Alzheimer Disease and Related Disorders," presented at the Alzheimer's 2000 Workshop, 21st Meeting of the Southern Gerontological Society, Raleigh, NC, March 2000.

1999 Invited Speaker, "Genetic Findings in Alzheimer Disease," presented at the 13th Annual Joseph and Kathleen Bryan Alzheimer's Disease Research Conference, Durham, NC, February 1999.

1997 Invited Speaker, "APOE Genotype and Risk of Alzheimer Disease," presented at Risky Business: Perils and Payoffs of Genetic Testing, NIH STEP program conference, Bethesda, MD, December 1997.

1997 Invited Speaker, "Unraveling the Complex Etiology of Parkinson Disease: Alzheimer Disease as a Model," presented at Genetics of Parkinson's Disease, Cold Spring Harbor Laboratory, NY, December 1997.

1997 Invited Speaker, "Clinical Applications of APOE Genotyping in Alzheimer Disease," presented at 1997 Educational Conference of the Alzheimer's Association, Northwest Georgia Chapter, Berry College, Rome, GA, May 1997.

Consultant:

2016-present Consultant and Steering Committee Member, NEIGHBORHOOD Consortium, Janey Wiggs PI, NIH/NEI grant to Massachusetts Eye & Ear Infirmary.

2001–2004 Consultant, *Pesticides, Genetics, and Risk of Parkinson's Disease*, Anne Greenlee, PI, NIOSH cooperative agreement with Marshfield Medical Research Foundation.

VI. TEACHING

Teaching specialization:

Date	*Course*
2017-present	Lecture/Course Coordinator, HGG 621 (Design & Analysis of Genomic Studies), Program in Human Genetics & Genomics, University of Miami
2017-2018	Lecturer (1 session), MIC 201 (Modern Plagues & Society): "The 10%: Genetic Susceptibility and TB." Department of Immunology & Microbiology, senior undergraduate class, University of Miami
2015-2016	Lecturer/Course Coordinator, GNM 660 (Computational Methods for Genomic Medicine), Master's Program in Genomic Medicine, Dept. of Human Genetics & Genomics, University of Miami
2014-2017	Lecturer (1 session), PIBS 701, "Association Studies," Program in Biomedical Sciences, University of Miami.
2014-2015	Lecturer (1 session), FNS 192, "Life cycle of a 'team science' human genetics project at the Hussman Institute for Human Genomics" presented to U-Inspire class, Department of Computer Science, University of Miami
2014-2016	Lecturer (2 sessions -fall), MIC 323 (Microbial Pathogenesis) "It's always the potato salad: Infectious Disease Epidemiology" / "Blame the parents: genetic epidemiology of infectious diseases," Department of Immunology & Microbiology, senior undergraduate class, University of Miami

2014-present	Lecturer (8 sessions)/Course Coordinator (2014-2017), GNM 630 (Clinical Applications in Genomic Medicine III), Master's Program in Genomic Medicine, Dept. of Human Genetics & Genomics, University of Miami
2014-present	Lecturer/Course Coordinator, GNM 605 (Research Ethics), Master's Program in Genomic Medicine, Dept. of Human Genetics & Genomics, University of Miami
2012	Lecturer (1 session), HGG 640 (Family Studies and Linkage Analysis) "Linkage Heterogeneity," Program in Human Genetics & Genomics, University of Miami
2011-2018	Co-coordinator, HGG 601 (Seminar/Journal Club), Program in Human Genetics & Genomics, University of Miami
2009–2014	Small Group Leader (2-3 sessions), PIBS 602, University of Miami
2009	Lecturer (2 sessions), Molecular Basis of Life (MS-1 core course), University of Miami
2008–2013	Lecturer (1 session), MIC 323, Department of Immunology & Microbiology, University of Miami
2008–2013	Organizer/Lecturer, "Study Designs and Linkage Analysis," annual 4-day short course, Genetic Analysis of Complex Human Diseases, University of Miami
2008	Lecturer (1 session), Molecular Basis of Life (MS-1 core course), University of Miami
2008–2009	Lecturer (1 session), IBS 603, University of Miami
2007–2010	Lecturer (2 sessions), IBS 601, University of Miami
2006	Co-Instructor, Human Genetics (MGM 232), 6 sessions, Duke University
2006	Course Coordinator, Genetic Analysis of Human Disease (CRP 250), Duke University
2005	Primary Instructor, "Readings in Human Statistical Genetics" (UPGEN 225), Duke University
2004	Lecturer, "Genetic Analysis of Human Disease" (MGP 203), Duke University
2004	Lecturer, "Neuroscience Exploration of Cognitive Aging" (PSY 148S), Duke University
2004	Lecturer, "Computational Immunology" (BGT/IMM 213S; STA 293), Duke University
2004–2007	Lecturer, "Principles of Clinical Research" (CRTP 242), Duke University
2003	Lecturer, "Molecules and Cells," (IND100B), September 2003, Duke University
2003–2006	Co-organizer, Genetic Analysis of Complex Human Diseases, Duke University
2002–2003	Lecturer, "Genetics of Complex Disorders," Genetics Interdisciplinary Faculty Training Program (GIFT), Duke University Medical Center
2000–2002	Lecturer, Genetic Analysis of Complex Human Diseases, Vanderbilt University Medical Center, Nashville TN
1999	Lecturer, Genetic Epidemiology, UNC School of Public Health
1999–2000	Lecturer, Human Genetics (GEN 232/UPG 232), Duke University
1998–2003	Lecturer, Genetic Analysis for Human Disease (UPG200/CRP250), Duke University
1998–2007	Resident Faculty, Genetic Analysis Methods of Complex Human Diseases, Duke University

Thesis and Dissertation Advising/Post-doctoral student supervision:

Date	*Student Supervision*
2016-present	Computational mentor and Examination Committee Member, Anastasia Vedenko, Ph.D. candidate, Program in Human Genetics and Genomics and Computational Ocular Genomics Training Program, University of Miami
2015-2016	Rotation Advisor, Anastasia Vedenko, Ph.D. candidate, Program in Biomedical Sciences, University of Miami
2013-2017	Mentor, Patrice Persad, Ph.D. candidate, Program in Human Genetics and Genomics and Computational Ocular Genomics Training Program, University of Miami.
2012-2017	Examination Committee Member, Sathish Srinivasan, Ph.D. candidate, Program in Human Genetics and Genomics, University of Miami.
2012-2015	External Committee Member, Rishika De, Ph.D. candidate, Computational Genetics in the Department of Genetics, Dartmouth College

2011–2014 Examination Committee Chair, Athena Hadjixenofontos, Ph.D. candidate, Program in Human Genetics and Genomics, University of Miami
2011-2012 Undergraduate Research Advisor, Carolyn Stull, UM Dept. of Biology
2010-2014 Mentor, James Hicks, Ph.D. candidate, Human Genetics and Genomics, University of Miami
2010-2014 Mentor, Monique Courtenay, Ph.D. candidate, Human Genetics and Genomics, University of Miami
2010 Rotation Advisor, Lei Cao, Ph.D. candidate, Program in Biomedical Sciences, University of Miami
2009–2010 Undergraduate Research Advisor, Rishika De, Senior Honors Thesis Project: "Common Variations in the *WRN* Gene and Their Associations with the Successful Aging Phenotype."
2009 Rotation Advisor, James Hicks, Ph.D. candidate, Program in Biomedical Sciences, University of Miami
2009 Rotation Advisor, YoSon Park, Ph.D. candidate, Program in Biomedical Sciences, University of Miami
2009 Rotation Advisor, Monique Courtenay, Ph.D. candidate, Program in Biomedical Sciences, University of Miami
2008–2013 Examination Committee Chair, Daniel D. Kinnamon, Ph.D. candidate, Program in Human Genetics and Genomics, University of Miami
2008–2012 Committee Member, Anna Christine Cummings, Ph.D. candidate, Program in Human Genetics, Vanderbilt University
2008-2010 Mentor, Digna R. Velez Edwards, Ph.D., Post-doctoral fellow, University of Miami.
2007–2010 External Committee Member, Nicole Johnson, Ph.D. candidate, Computational Biology and Bioinformatics Program, Duke University.
2004–2008 Mentor, Dana B. Hancock, Ph.D., University Program in Genetics and Genomics, Duke University
2005–2006 Examination Committee Member, Kristen Bastress Deak, Ph.D., University Program in Genetics and Genomics
2003 Committee Chair for Robbert J. C. Slebos, Ph.D, candidate for MHS in Clinical Research, CRTP program
2002 Internship Preceptor for Elisha Larez, MPH candidate, University of California-Berkeley
2001 Internship Preceptor for Paola Grasso, MPH candidate, University of California-Berkeley

VI. SERVICE

University Committee and Administrative Responsibilities:

University of Miami

Date	*Responsibilities/Committee*
2017-present	Member, Evelyn F. McKnight Brain Institute Scientific Advisory Board
2017-present	Executive Director, UM Brain Endowment Bank (an NIH NeuroBioBank)
2016-2019	Member and Vice-Chair, Faculty Issues Committee, UMMSM Faculty Council.
2016	Member, Chair of Microbiology & Immunology Search Committee.
2016	Member, Director of the Office of Graduate and Postdoctoral Studies search committee.
2015	Member, Cancer Biology PhD Program Director Search Committee.
2014	Member, Cancer Biology PhD Program Internal Review Committee.
2013-present	Member, Lois Pope Award Selection Committee, Neuroscience Graduate Program
2012-present	Director, Computational Ocular Genomics Training Program (NEI T32)
2012-present	Graduate Program Director, Master's of Science in Genomic Medicine Program, Dr. John T. Macdonald Foundation Department of Human Genetics

2012-present Faculty Member, Master's of Science in Clinical and Translational Investigation
2010–2011 Member, Lois Pope Award Selection Committee, Neuroscience Graduate Program
2009–present Member, Appointment, Promotion and Tenure Committee, Dr. John T. Macdonald Foundation Department of Human Genetics
2009–present Vice Chair for Education and Training, Dr. John T. Macdonald Foundation Department of Human Genetics
2008–2011 Member, Division of Epidemiology Chief Search Committee, Department of Epidemiology and Public Health
2008–present Member, Graduate Program Directors Committee
2008–2018 Graduate Program Director, Interdepartmental PhD Program in Human Genetics and Genomics
2007–2010 Member, Center for Computational Science Organizing Committee
2007–2010 Member, Scientific Awards Committee, UM Miller School of Medicine (Chair, 2008-2010)
2007–2009 Director of Education and Training Programs, Dr. John T. Macdonald Foundation Department of Human Genetics
2007–2008 Associate Director for Informatics, Miami Institute for Human Genomics

Duke University Medical Center

Date *Responsibilities/Committee*

2003–2006 Assistant Director for Clinical and Laboratory Informatics, Duke Center for Human Genetics
2003–2008 Faculty, University Program in Genetics & Genomics
2003–2006 Faculty, Clinical Research Training Program
2003–2007 Senior Fellow, Center for the Study of Aging and Human Development
2003–2006 Co-Director, 3rd year Human Genetics Study Track School of Medicine
2002–2003 Director, 3rd year Human Genetics Study Track and Member, 3rd Year Committee