CURRICULUM VITAE
University of Pittsburgh
School of Medicine

BIOGRAPHICAL

Name: Bernie Devlin

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EDUCATION AND TRAINING

UNDERGRADUATE:

1972-1976	Indiana University of Pennsylvania Indiana, Pennsylvania	B.S.	1976	Biology

GRADUATE:

1980 - 1985	The Pennsylvania State University College Park, Pennsylvania	Ph.D.	1986	Botany

POST-GRADUATE

1986 - 1987	University of California Riverside, California	Post-doctoral Norman Ellstrand, Ph.D.	1987	Population Genetics

ACADEMIC:

1986 - 1987 Post-Doctoral Fellowship, University of California, Riverside, California

1989 - 1995 Biostatistician & Associate Research Scientist, Division of Biostatistics, Department of Epidemiology and Public Health, Yale University School of Medicine, New Haven, Connecticut

1995 - 1996 Visiting Research Scientist, Department of Statistics, Carnegie Mellon University, Pittsburgh, PA

1997 - Adjunct Associate Professor, Department of Statistics, Carnegie Mellon University, Pittsburgh, Pennsylvania

1997 - Director, Program in Computational Genetics, Western Psychiatric Institute and Clinic, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

2/97 – 3/97 Adjunct Assistant Professor of Psychiatry, Department of Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

4/97 – 1/98 Visiting Assistant Professor of Psychiatry, Department of Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

1997- Joint Appointment Assistant Professor, Department of Human Genetics, University of Pittsburgh, Pittsburgh, Pennsylvania

2/98 – 6/02 Assistant Professor of Psychiatry within Tenure Stream, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

7/02 – 6/04 Associate Professor of Psychiatry within Tenure Stream, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

7/04 – 9/12 Associate Professor of Psychiatry with Tenure, University of Pittsburgh School of

Medicine, Pittsburgh, Pennsylvania
10/12- Professor of Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

American Association for the Advancement of Science (1997-present), American Society of Human Genetics (1995-present), Genetics Society of America (1997-present), International Genetic Epidemiology Society (2007-present), International Society for Autism Research (2012-present)

HONORS

NIMH MERIT Award for MH057881-16
University of Pittsburgh Faculty Honors (Honors Convocation 2010).
American Association for the Advancement of Science Fellow, induction February 14, 2009
Chair of the Center for Inherited Disease Research (CIDR) Access Committee, 2008 – 2010
Member, Genetics of Human Disease, NIH Study Section, 2009-2014
Scientific Advisory Board/Council: Autism Speaks (2009-present); American Foundation for Suicide Prevention (2005-present); NeuroDevNet, a Canadian National Center of Excellence (2010-present); Anorexia Nervosa Genetics Initiative (2013-present); Cell Bank Advisory Committee of the National Cell Repository for Alzheimer disease (2013-present).
Award presented by the Federal Bureau of Investigation in appreciation and recognition of efforts in DNA analysis from 1988-1998.

PUBLICATIONS

Refereed Articles

1. **Devlin B**, Stephenson AG. Factors that influence the duration of the staminate and pistillate phases of *Lobelia cardinalis* flowers. *Bot Gaz* **145**:323-328,1984.
2. **Devlin B**, Stephenson AG. Sex differential floral longevity, nectar secretion and pollinator foraging in a protandrous species. *American Journal of Botany* **72**:303-310, 1985.
3. **Devlin B**, Horton JB, Stephenson AG. Patterns of nectar production of *Lobelia cardinalis*. *American Midland Naturalist* **117**:289-295, 1987.
4. **Devlin B**, Stephenson AG. Sexual variations among plants of a perfect-flowered species. *American Naturalist* **130**:199-218, 1987.
5. Stephenson AG, **Devlin B**, Horton JB. The effects of seed number and prior fruit dominance on the pattern of fruit production on zucchini squash. *Annals of Botany* **62**:653-661, 1988.
6. **Devlin B**, Roeder K, Ellstrand NC. Fractional paternity analysis: theoretical development and comparison to other methods. *Theoretical and Applied Genetics* **76**:369-380, 1988.
7. **Devlin B**. The effects of environmental stress on reproductive effort of *Lobelia cardinalis*. *Ecology* **69:**1716-1720, 1988.
8. Glazner JT, **Devlin B**, Ellstrand NC. Biochemical and morphological evidence for host race formation in desert mistletoe, *Phoradendron californicum* Nutt. (Visaceae). *Plant Systematics and Evolution* **161**:13-21, 1988.
9. **Devlin B**. Components of seed and pollen yield of *Lobelia cardinalis* plants. *American Journal of Botany* **76**:204-214, 1988.
10. Ellstrand NC, **Devlin B**. Transmission genetics of isozyme loci in *Raphanus sativus* (Brassicaceae): stress-dependent non-mendelian segregation. *American Journal of Botany* **76**:40-46, 1989.

11. Schlichting C, **Devlin B**. Male versus female reproductive success in the hermaphroditic plant, *Phlox drummondii*. *American Naturalist* **133**:127-142, 1989.
12. Ellstrand NC, **Devlin B**, Marshall DL. Impact of spatial isolation on gene flow in wild radish. *Proceedings National Academy of Sciences, USA* **86**:9044-9047, 1989.
13. Roeder K, **Devlin B**, Lindsay BG. Application of maximum likelihood methods to population genetic data for the estimation of individual fertilities. *Biometrics* **45**:363-379, 1989.
14. **Devlin B**, Risch N, Roeder K. No excess of homozygosity at loci used for DNA fingerprinting. *Science* **249**:1416-1420, 1990.
15. **Devlin B**, Ellstrand NC. The development and application of a refined method for estimating gene flow from angiosperm paternity analysis. *Evolution* **44**:248-259, 1990.
16. **Devlin B**, Ellstrand NC. Variation in male and female fertility in wild radish, a hermaphrodite. *American Naturalist* **136**:87-107, 1990.
17. **Devlin B**, Risch N, Roeder K. Estimation of allele frequencies for VNTR loci. *American Journal of Human Genetics* **48**:662-676, 1991.
18. **Devlin B**, Risch N, Roeder K. Forensic tests and Hardy Weinberg equilibrium. *Science* **253**:1039-1041, 1991.
19. Schlichting C**, Devlin B**. Pollen and ovule sources affect seed production of *Lobelia cardinalis* (Lobeliaceae). *American Journal of Botany* **79**:891-898, 1992.
20. **Devlin B**, Risch N, Roeder K. Forensic inference from DNA fingerprints. *Journal of the American Statistical Association* **87**:337-350, 1992.
21. **Devlin B**, Clegg J, Ellstrand N. The relationship between flower production, male fertility and male reproductive success in wild radish populations. *Evolution* **46:**1030-1042, 1992.
22. Risch N, **Devlin B**. On the probability of matching DNA fingerprints. *Science* **255**:717-720, 1992.
23. **Devlin B,** Risch N. Ethnic differentiation at VNTR loci, with special reference to forensic applications. *American Journal of Human Genetics* **51**:534-548, 1992.
24. **Devlin B**. Risch N. A note on Hardy-Weinberg Equilibrium of VNTR data by using the Federal Bureau of Investigation's fixed-bin method. *American Journal of Human Genetics* **51**:549-553, 1992.
25. Risch N, **Devlin B**. DNA fingerprint matches. *Science* **256**:1744-1746, 1992.
26. **Devlin B**, Risch N, Roeder K. The statistical evaluation of DNA fingerprinting: Critique of the NRC report. *Science* **259:**748-749, 837, 1993.
27. **Devlin B**, Risch N, Roeder K. NRC report on DNA typing. *Science* **260**:1057-1059, 1993.
28. **Devlin B**, Risch N. Physical properties of VNTR data, and their impact on a test of allelic independence. *American Journal of Human Genetics* **53**:324-329, 1993.
29. Krontiris TK, **Devlin B**, Karp DD, Robert NJ, Risch N. The association between the risk of cancer and the HRAS1 minisatellite locus. *New England Journal of Medicine* **329**:517-523, 1993.
30. **Devlin B**, Krontiris TK, Risch N. Population genetics of the HRAS1 minisatellite locus. *American Journal of Human Genetics* **53**:1298-1305, 1993.
31. **Devlin B**. Forensic inference from genetic markers. *Statistical Methods in Medical Research* **2**:241-262, 1993.
32. **Devlin B**, Risch N, Roeder K. Comments on the statistical aspects of the NRC's report on DNA fingerprinting. *Journal of Forensic Science* **39**:29-41, 1994.
33. Morrison AC, Ferro R, Pardo M, Torres B, **Devlin B**, Wilson ML, Tesh RB. Seasonal abundance of the *Lutzomyia longipalpis* (Diptera: Psychodidae) at an endemic focus of leismaniasis in Columbia. *Journal of Medical Entomology* **32**:538-548, 1995.
34. **Devlin B**, Risch N. A comparison of linkage disequilibrium measures for fine scale mapping. *Genomics* **29**:311-322, 1995.
35. **Devlin B**, Risch N, Roeder K. Disequilibrium mapping: Composite likelihood for pairwise disequilibrium. *Genomics* **36**:1-16, 1996.

36. Andrews C, **Devlin B**, Perlin M, Roeder K. Binning clones by hybridization with complex probes: Statistical refinement of an Inner Product Mapping method. *Genomics* **41**:141-154, 1997
37. Kovacs M, **Devlin B**, Pollock M, Richards C, Mukerjii P. A controlled family history study of childhood-onset depressive disorder. *Archives of General Psychiatry* **54**:613-623, 1997.
38. **Devlin B**, Daniels M, Roeder K. The heritability of IQ. *Nature* **388**:468-471, 1997.
39. Baysal BE, Farr JE, Goss JR, **Devlin B**, Richard III CW. Genomic organization and precise physical location of protein phosphotase 2A regulatory subunit A beta isoform gene on chromosome band 11q23. *Gene,* **217**:107-116, 1998.
40. **Devlin B,** Roeder K. Genomic control for association studies. *Biometrics*, **55**:997-1004, 1999.
41. Baysal BE, van Schothorst ME, Farr JE, Grashof P, Rubinstein WS, Taschner P, Cornelisse CJ, **Devlin B**, Devilee P, Richard III CW. Repositioning the hereditary paraganglioma critical region on chromosome band 11q23. *Human Genetics*, **104**(3):219-225, 1999.
42. Kovacs M, **Devlin B**. Internalizing disorders in childhood. *Journal of Child Psychology and Psychiatry,* **39**:47-63,1998.
43. Ozen RS, Baysal BE, **Devlin B**, Farr JE, Gorry M, Erlich G, Ozguc M, OoUR G, Richard III CW. Fine mapping of the split hand-split foot (SHFM3) locus at 10q24: Evidence for anticipation and segregation distortion. *American Journal of Human Genetics*, **64**(6):1646-1654, 1999.
44. Lam JC, Roeder K, **Devlin B.** Haplotype fine-mapping by evolutionary trees. *American Journal of Human Genetics,* **66**:659-673, 2000.
45. Baysal BE, Ferrell RE, Willett-Brozick JE, Lawrence EC, Myssiorek D, Bosch A, van der Mey A, Taschner PEM, Rubinstein WS, Myers EN, Richard III CW, Cornellisse CJ, Devilee P, **Devlin B**, Mutations in *SDHD*, a Mitochondrial Complex II Gene, in Hereditary Paraganglioma, *Science*, **287**:848-851, 2000.
46. Bacanu S-A, **Devlin B**, Roeder K. The power of genomic control. *American Journal of Human Genetics*, **66**:1933-1944, 2000.
47. **Devlin B**, Roeder K, Wasserman L. Genomic control for association studies: A semiparametric test to detect excess haplotype-sharing. *Biostatistics,* **1**(4), 369-387, 2000.
48. **Devlin, B**. The evidentiary value of a DNA database search. *Biometrics*, **56**:1276-1277, 2000.
49. Kaye WH, Lilenfeld LR, Berrettini WH, Strober M **Devlin B**, Klump KL, Goldman D, Bulik CM, Halmi KA, Fichter MM, Woodside DB, Treasure J, Plotnicov KH. A search for susceptibility loci for anorexia nervosa: Methods and sample description. *Biological Psychiatry*, **47**:794-803, 2000.
50. Klump KL, Bulik CM, Pollice C, Halmi KA, Fichter MM, Berrettini WH, **Devlin B**, Strober M, Kaplan A, Woodside DB, Treasure J, Shabbout M, Lilenfeld LR, Plotnicov KH, Kaye WH. Temperament and Character in Women with Anorexia Nervosa. *The Journal of Nervous and Mental Disease,* **188**:559-567, 2000.
51. Lockwood JR, Roeder K, **Devlin B**. A Bayesian hierarchical method for allele frequencies. *Genetic Epidemiology*, **20**:17-33, 2001.
52. Baysal BE, Willett-Brozick JE, Taschner PEM, Devilee P, **Devlin B.** A high-resolution integrated map spanning the *SDHD* gene at 11q23: a 1.1-Mb BAC contig, a partial transcript map and fifteen new repeat polymorphisms in a tumor-suppressor region. *European Journal of Human Genetics*, **9**:121-129,2001.
53. Lilenfeld LR, **Devlin B**, Bulik CM, Strober M, BerrettiniWH, Bacanu S, et al. Deriving behavioral phenotypes in an international multicenter study of eating disorder. *Psychological Medicine*, **31**:635-64, 2001.
54. **Devlin B**, Roeder K, Otto C, Tiobech S, Byerley W. Genome-wide distribution of linkage disequilibrium in the population of Palau and its implications for gene flow in Remote Oceania. *Human Genetics*, **108**:521-528, 2001.
55. Seltman H, Roeder K, **Devlin B**. TDT meets MHA: Family-based association analysis guided by the evolution of haplotypes. *American Journal of Human Genetics*, **68**:1250-1263, 2001.
56. **Devlin B**, Roeder K, Bacanu SA. Unbiased methods for population-based association studies. *Genetic Epidemiology*, **21**:273-284, 2001.

57. **Devlin B**, Roeder K, Wasserman L. Genomic control, a new approach to genetic-based association studies. *Theoretical Population Biology*, **60**:156-166, 2001.
58. Vanyukov MM, Maher BS, Ferrell RE, **Devlin B**, Marazita ML, Kirillova GP. Association between the dopamine receptor D5 gene and the liability to substance dependence in males: A replication study. *Journal of Child and Adolescent Substance Abuse*, **10**:55-63, 2001.
59. **Devlin B**, Jones BL, Bacanu SA, Roeder K. Mixture models for linkage analysis of affected sibling pairs and covariates. *Genetic Epidemiology*, **22**:52-65, 2002.
60. Bacanu SA, **Devlin B**, Roeder K. Association studies for quantitative traits in structured populations. *Genetic Epidemiology*, **22**:78-93, 2002.
61. **Devlin B**, Bacanu SA, Roeder K, Reimherr F, Wender P, Galke B, Noasad D, Chu A, K. Cuenco KT, Tiobech S, Otto C, Byerley W. Genome-wide multipoint linkage analyses of multiplex schizophrenia pedigrees from the Ocean Nation of Palau. *Molecular Psychiatry*, **7**:689-694, 2002.
62. Sweet RA, Nimgaonkar VL, **Devlin B,** Lopez, OL, DeKosky ST. Increased familial risk of the psychotic phenotype of Alzheimer Disease. *Neurology*, **58**:907-911, 2002.
63. **Devlin B**, Bacanu S-A, Klump KL, Bulik CM, Fichter MM, Halmi KA, Kaplan AS, Strober M, Treasure J, Woodside DB, Berrettini WH, KayeWH. Linkage analysis of anorexia nervosa incorporating behavioral covariates. *Human Molecular Genetics*, **11**:689-696, 2002.
64. **Devlin B**, Bennett P, Cook, Jr. EH, Dawson G, Gonen D, Grigorenko EL, McMahon W, Pauls D, Smith M, Spence MA, CPEA Genetics Network, Schellenberg GD. No evidence for linkage of liability to autism to HOXA1 in a Sample from the CPEA Network. *American Journal of Medical Genetics*, **114**:667-672, 2002.
65. Chowdari KV, Mirnics K, Semwal P, Wood J, Lawrence E, Bhatia T, Deshpande SN, Thelma B K, Ferrell RE, Middleton FA, **Devlin B**, Levitt P, Lewis DA, Nimgaonkar VL. Association and linkage analyses of RGS4 polymorphisms in schizophrenia. *Human Molecular Genetics*, **11**:1363-1372, 2002.
66. Bacanu S-A, **Devlin B**, Chowdari KV, DeKosky ST, Nimgaonkar VL, Sweet RA. Linkage analysis of Alzheimer disease with psychosis. *Neurology*, **59**:118-120, 2002.
67. **Devlin B**, Jones BL, Bacanu S-A, Roeder K. Mixture models for linkage analysis of affected sibling pairs with covariates; Reply to Olson. *Genetic Epidemiology* **23**:449-455, 2002.
68. Williamson DE, Coleman K, Bacanu, S-A, **Devlin B**, Rogers J, Ryan ND, Cameron JL. Heritability of Fearful/Anxious Endophenotypes in Infant Rhesus Macaques: A Preliminary Report. *Biological Psychiatry*, **53**:284-291, 2003.
69. Bulik CM, **Devlin B**, Bacanu S-A, Thornton L, Klump KL, Fichter MM, Halmi KA, Kaplan AS, Strober M, Woodside DB, Bergen AW, Ganjei K, Crow S, Mitchell J, Rotondo A, Mauri M, Cassano G, Keel P, Berrettini WH, Kaye WH. Significant linkage on chromosome 10p in families with bulimia nervosa. *American Journal of Human Genetics*, **72**:200-207, 2003.
70. Tzeng J-Y, Byerley W, **Devlin B**, Roeder K, Wasserman L. Outlier detection and false discovery rates for whole-genome matching. *Journal of the American Statistical Association*, **98**:236-247, 2003.
71. Tzeng J-Y, **Devlin B**, Wasserman L, Roeder K. On the identification of disease mutations by haplotype similarity and goodness-of-fit, *American Journal of Human Genetics*, **72**:891-902, 2003.
72. **Devlin B**, Roeder K, Wasserman L. Analysis of multilocus models of association. *Genetic Epidemiology*, **25**:36-47, 2003.
73. Seltman H, Roeder K, **Devlin B**. Evolutionary-based association analysis using haplotype data. *Genetic Epidemiology*, **25**:48-58, 2003.
74. Vanyukov MM, Maher BS, **Devlin B**, Tarter RE, Kirillova GP, Yu L-M, Ferrell RE. Haplotypes of the Monoamine Oxidase genes and the risk for substance use disorders. *American Journal of Medical Genetics*, **125B**:120-125, 2004.
75. Sweet RA, Nimgaonkar VL, **Devlin B**, Jeste DV. Psychotic symptoms in Alzheimer disease: evidence for a distinct phenotype. *Molecular Psychiatry* **8**:383-392, 2003.
76. **Devlin B**, Bennett P, Dawson G, Figlewicz DA, Grigorenko EL, McMahon W, Minshew N, Pauls D, Smith M, Spence MA, Rodier PM, Stodgell C, the CPEA Genetics Network8, Schellenberg GD. Alleles of a reelin

CGG repeat do not convey liability to autism in a sample from the CPEA Network. *American Journal of Medical Genetics, Neuropsychiatric Genetics* **126B**:46-50, 2004.

77. Zhang X, Roeder K, Wallstrom G, **Devlin B.** Integration of association statistics over genomic regions using Bayesian Adaptive Regression Splines. *Human Genomics*, **1**:20-29, 2003.
78. Bulik CM, Klump KL, Thornton L, Kaplan AS, **Devlin B**, Fichter MM, Halmi KA, Strober M, Woodside DB, Crow S, Mitchell JE, Rotondo A, Mauri M, Cassano GB, Keel PK, Berrettini WH, Kaye WH . Alcohol use disorder comorbidity in eating disorders: A multicenter study. *Journal of Clinical Psychiatry*, **65**:1000-1006, 2004.
79. Kaye WH, **Devlin B**, Barbarich N, Bulik CM, Thornton L, Bacanu SA, Fichter MM, Halmi KA, Kaplan AS, Strober M, Woodside DB, Bergen AW, Crow S, Mitchell J, Rotondo A, Mauri M, Cassano G, Keel P, Plotnicov K, Pollice C, Klump KL, Lilenfeld LR, Ganjei JK, Quadflieg R, Berrettini WH. Genetic analysis of bulimia nervosa: Methods and sample description. *International Journal of Eating Disorders* **35**:556-70, 2004.
80. Yu C-E., **Devlin B**, Galloway N. Loomisa E, Schellenberg GD. ADLAPH: A molecular haplotyping method based on allele-discriminating long-range PCR. *Genomics*, **84**, 600-612, 2004.
81. Klump KL, Strober M, Bulik CM, Thornton L, Johnson C, **Devlin B**, Fichter MM, Halmi KA, Kaplan AS, Woodside DB, Crow S, Mitchell J, Rotondo A, Keel PK, Berrettini WH, Plotnicov K, Pollice C, Lilenfeld LR, Kaye WH. Personality characteristics of women before and after recovery from an eating disorder. *Psychological Medicine*, **34**, 1407-1418, 2004.
82. Strauss J, Barr CL, George CJ, King N, Shaikh S, **Devlin B**, Kovacs M, Kennedy JL. Association study of brain-derived neurotrophic factor in adults with a history of childhood onset mood disorder. *American Journal of Medical Genetics B, Neuropsychiatric Genetics* **131**, 16-19, 2004.
83. Woodside DB, Bulik CM, Thornton L, Klump KL, Tozzi F, Fichter MM, Halmi KA, Kaplan AS, Strober M, **Devlin B**, Bacanu SA, Ganjei K, Crow S, Mitchell J, Rotondo A, Mauri M, Cassano G, Keel P, Berrettini WH, Kaye WH. Personality in men with eating disorders. *Journal of Psychosomatic Research*, **57**, 273-278, 2004.
84. **Devlin B**, Bacanu SA, Roeder K. Genomic control to the extreme. *Nature Genetics*, **36**, 1129-1130, 2004.
85. Roeder K, Bacanu SA, Sonpar V, Zhang X, **Devlin B**. Analysis of single-locus tests to detect gene/disease associations. *Genetic Epidemiology*, **28**, 207-219, 2005.
86. Rinaldo A, Bacanu SA, **Devlin B**, Sonpar V, Wasserman L, Roeder K. Characterization of multilocus linkage disequilibrium. *Genetic Epidemiology*, **28**, 193-206, 2005.
87. Bergen AW, Yeager M, Welch RA, Haque K, Ganjei K, van den Bree MBM, Mazzanti C, Nardi I, Fichter MM, Halmi KA, Kaplan AS, Strober M, Treasure J, Woodside DB, Bulik CM, Bacanu S-A, **Devlin B**, Berrettini WH, Goldman D, Kaye WH. Association of multiple DRD2 Polymorphisms with Anorexia Nervosa. *Neuropsychopharmacology* **30**, 1703-1710, 2005.
88. **Devlin B**, Cook Jr. EH, Coon H, Dawson G, Grigorenko EL, McMahon W, Minshew N, Pauls D, Smith M, Spence MA, Rodier PM, Stodgell C, the CPEA Genetics Network, Schellenberg GD. Autism and the serotonin transporter: the long and short of it. *Molecular Psychiatry* **10**:1110-1116, 2005.
89. Klei L, Bacanu SA, Myles-Worsley M, Galke B, Xie W, Tiobech J, Otto C, Roeder K, **Devlin B**, Byerley W. Linkage analysis of a completely ascertained sample of familial schizophrenics and bipolars from Palau, Micronesia. *Human Genetics*. **117**, 349-356, 2005.
90. Bacanu SA, **Devlin B**, Chowdari KV, Dekosky ST, Nimgaonkar VL, Sweet RA. Heritability of psychosis in Alzheimer disease. *American Journal of Geriatric Psychiatry* **13**, 624-627, 2005.
91. Sweet RA, **Devlin B**, Pollock BG, Sukonick DL, Kastango KB, Bacanu S-A, Chowdari KV, DeKosky ST, Ferrell RE. Catechol-O-Methyltransferase haplotype is associated with psychosis in Alzheimer disease. *Molecular Psychiatry* **10**, 1026-1036, 2005.
92. Strauss J, Barr CL, George CJ, **Devlin B**, Vetro A, Kiss E, Baji I, King N, Shaikh S, Lanktree M, Kovacs M, Kennedy JL. Brain-derived neurotrophic factor variants are associated with childhood-onset mood disorder: confirmation in a Hungarian sample. *Molecular Psychiatry*. **10**, 861-867, 2005.

93. Bulik C, Bacanu S, Klump K, Fichter M, Halmi K, Keel P, Kaplan A, Mitchell J, Rotondo A, Strober M, Treasure J, Woodside DB, Sonpar V, Xie W, Bergen A, Berrettini W, Kaye W, **Devlin B**. Selection of eating-disorder phenotypes for linkage analysis. *American Journal of Medical Genetics B, Neuropsychiatric Genetics*, **139**, 81-87, 2005.
94. Bacanu S, Bulik C, Klump K, Fichter M, Halmi K, Keel P, Kaplan A, Mitchell J, Rotondo A, Strober M, Treasure J, Woodside DB, Sonpar V, Xie W, Bergen A, Berrettini W, Kaye W, **Devlin B**. Linkage analysis of anorexia and bulimia nervosa cohorts using selected behavioral phenotypes as quantitative traits or covariates. *American Journal of Medical Genetics B, Neuropsychiatric Genetics*, **139**, 61-8, 2005.
95. McQueen MB**, Devlin B**, Faraone SV, Nimgaonkar VL, Sklar P, Smoller JW, Jamra RA, Albus M, Bacanu SA, Baron M, Barrett TB, Berrettini W, Blacker D, Byerley W, Cichon S, Coryell W, Craddock N, Daly MJ, DePaulo JR, Edenberg HJ, Foroud T, Gill M, Gilliam TC, Hamshere M, Jones I, Jones L, Juo SH, Kelsoe JR, Lambert D, Lange L, Lerer B, Liu J, Maier W, MacKinnon JD, McInnis MG, McMahon FJ, Murphy DL, Nöthen MM, Nurnberger JI, Pato CN, Pato MT, Potash JB, Propping P, Pulver AE, Rice JP, Rietschel M, Scheftner W, Schumacher J, Segurado R, Van Steen K, Xie W, Zandi PP, Laird NM. Combined Analysis from Eleven Linkage Studies of Bipolar Disorder Provides Strong Evidence for Susceptibility Loci on Chromosomes 6q and 8q. *American Journal of Human Genetics*, **77**, 582-595, 2005.
96. Mansour HA, Wood J, Chowdari KV, Dayal M, Thase ME, Kupfer DJ, Monk TH, **Devlin B**, Nimgaonkar VL. Circadian phase variation in bipolar I disorder. *Chronobiology International* **22**, 571-584, 2005.
97. Go RC, Perry RT, Wiener H, Bassett SS, Blacker D, **Devlin B**, Sweet RA. Neuregulin-1 polymorphism in late onset Alzheimer's disease families with psychoses. *American Journal of Medical Genetics B, Neuropsychiatric Genetics*, **139**, 28-32, 2005.
98. Roeder K, Bacanu SA, Wasserman L, **Devlin B**. Using linkage genome scans to improve power of association genome scan. *American Journal of Human Genetics*, **78**, 243-252, 2006.
99. Mansour HA, Wood J, Logue T, Chowdari KV, Dayal M, Kupfer DJ, Monk TH, **Devlin B**, Nimgaonkar VL. Association study of eight circadian genes with bipolar I disorder, schizoaffective disorder and schizophrenia. *Genes, Brain and Behavior*, **5**, 150-157, 2006.
100. Talkowski ME, Mansour H, Chowdari KV, Wood J, Butler A, Varma PG, Prasad S, Semwal P, Bhatia T, Deshpande S, **Devlin B**, Thelma BK, Nimgaonkar VL. Novel, replicated associations between dopamine d3 receptor gene polymorphisms and schizophrenia in two independent samples. *Biological Psychiatry*, **60**, 570-577, 2006.
101. Aliyu MH, Calkins ME, Swanson CL Jr, Lyons PD, Savage RM, May R, Wiener H, **Devlin B**, Nimgaonkar VL, Ragland JD, Gur RE, Gur RC, Bradford LD, Edwards N, Kwentus J, McEvoy JP, Santos AB, McCleod-Bryant S, Tennison C, Go RC; On behalf of the PAARTNERS study group. Project among African-Americans to explore risks for schizophrenia (PAARTNERS): Recruitment and assessment methods. *Schizophrenia Research*, **87**, 32-44, 2006.
102. Talkowski ME, Seltman H, Bassett AS, Brzustowicz LM, Chen X, Chowdari KV, Collier DA, Cordeiro Q, Corvin AP, Deshpande SN, Egan MF, Gill M, Kendler KS, Kirov G, Heston LL, Levitt P, Lewis DA, Li T, Mirnics K, Morris DW, Norton N, O'Donovan MC, Owen MJ, Richard C, Semwal P, Sobell JL, St Clair D, Straub RE, Thelma BK, Vallada H, Weinberger DR, Williams NM, Wood J, Zhang F, **Devlin B**, Nimgaonkar VL. Evaluation of a susceptibility gene for schizophrenia: genotype based meta-analysis of RGS4 polymorphisms from thirteen independent samples. *Biological Psychiatry*, **60**, 152-162, 2006.
103. Autism Genome Project Consortium, with **Devlin B**. Mapping autism risk loci using genetic linkage and chromosomal rearrangements. *Nature Genetics*, **39**, 319-328, 2007.
104. Yu C-E, Seltman H, Peskind ER, Galloway N, Zhoua PX, Rosenthal E, Wijsman EM, Tsuang DW, **Devlin B**, Schellenberg GD. Comprehensive analysis of *APOE* and selected proximate markers for late-onset Alzheimer disease: pattern of linkage disequilibrium and disease/marker association. *Genomics*, **89**, 655-665, 2007.
105. Roeder K, **Devlin B**, Wasserman L. Improving power in genome-wide association studies: weights tip the scale. *Genetic Epidemiology*, **31**(7), 741-747, 2007.

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Smoller JW, Kendler KS, Wray NR. Genetic relationship between five psychiatric disorders estimated from genome-wide SNPs. *Nature Genetics* doi: 10.1038/ng.2711, 2013. PMID 23933821

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168. Robinson EB, Howrigan D, Yang J, Ripke S, Anttila V, Duncan LE, Jostins L, Barrett JC, Medland SE, Macarthur DG, Breen G, O'Donovan MC, Wray NR, **Devlin B**, Daly MJ, Visscher PM, Sullivan PF, Neale BM. Response to 'Predicting the diagnosis of autism spectrum disorder using gene pathway analysis'. Mol Psychiatry 2013 Oct 22. doi: 10.1038/mp.2013.125. PMID: 24145379

Non-Refereed Publications

1. **Devlin B**, Fienberg SE, Roeder K, Resnick D. *Wringing The Bell Curve*: A cautionary tale about the relationships between race, genes and IQ. *Chance* **8:**27-36, 1995.
2. **Devlin B**, Fienberg SE, Roeder K, Resnick D. Galton Redux: Intelligence, Race and Society. *J Am Stat Assoc* **90**:1483-1488, 1995.
3. **Devlin B**, Roeder K. DNA profiling: Statistics and population genetics. Scientific Evidence Reference Manual. *In* Fagman D, Kaye D., Saks M. and Sanders J. [eds.] West Publishing Company, 1997.
4. **Devlin B**, Fienberg SE, Resnick D, Roeder K (Eds.) Intelligence, Genes and Success: Scientists Respond to *The Bell Curve*. Springer-Verlag, New York, 1997.
5. Daniels M, **Devlin B**, Roeder K. Of genes and IQ. *In*: Intelligence, Genes and Success: Scientists Respond to *The Bell Curve*. Devlin B, Fienberg SE, Resnick D, Roeder K (eds.), Springer-Verlag, New York, 1997.
6. **Devlin B**, Kadane J, Roeder K. Comment on LA Foreman, AFM. Smith, I W Evett, Bayesian analysis of DNA profiling data in forensic identification applications. *J R Statist Soc*, A, **160**: 464, 1997.
7. **Devlin B,** Feinberg SE, Resnick DP, Roeder K. Intelligence and success: Is it all in the genes? *In:* Fish JM (ed), Race and Intelligence *Separating Science from Myth.* Lawrence Erlbaum Assoc., New Jersey, 2001.
8. **Devlin B,** Roeder K, Wasserman, L. False Discovery or Missed Discovery? A challenging question when studies test many hypotheses. *Heredity* 91:537-538, 2003.
9. **Devlin B,** Roeder K. Avoiding stratification in association studies. *In*: Encyclopedia of Genetics, Genomics, Proteomics and Bioinformatics. John Wiley, 2004.
10. Buxbaum JD, Baron-Cohen S, **Devlin B**. Genetics in psychiatry: Common variant association studies. *Molecular Autism* **1**:6, 2010. PMID: 20678248
11. Melhem N, **Devlin B**. Shedding new light on genetic dark matter. Genome Medicine **2**:79, 2010. PMID: 21067556
12. **Devlin B**, Scherer SW. Genetic architecture in autism spectrum disorder, Curr Opin Genet Dev 2012. doi:10.1016/j.gde.2012.03.002
13. Buxbaum JD, Daly MJ, **Devlin B**, Lehner T, Roeder K, State MW; The Autism Sequencing Consortium. The Autism Sequencing Consortium: Large-Scale, High-Throughput Sequencing in Autism Spectrum Disorders. *Neuron* **76**:1052-1056, 2012.

TEACHING AND MENTORING ACTIVITIES

Teaching

Biological Science III, The Pennsylvania State University (1984; undergraduates).

Categorical Data Analysis, Yale University School of Medicine (1993; graduate students in biostatistics and epidemiology).

Theory of Survival Analysis and its Applications, Yale University School of Medicine (1993; graduate students in biostatistics, statistics and epidemiology).
Psychiatric Genetics Workshop, University of Pittsburgh School of Medicine (1999; faculty and post-doctoral students).

Mentor

Bora E. Baysal, MD, Ph.D. Post-doctoral fellow at the University of Pittsburgh (1997-1998). Research: *Genetics of Paraganglioma*. Role: Advisor. Currently: Associate Professor, Roswell Park Cancer Institute.

Silviu-Alin Bacanu, Ph.D. Pre-doctoral training at the University of Pittsburgh (1997-1998) Research: *Combining Classifiers*. Role: Ph.D. Thesis Committee Member. Post-doctoral training at the University of Pittsburgh (1998-1999) Research: Statistical Genetics of Complex Disorders. Role: Advisor. Currently: Assistant Professor, Virginia Commonwealth University, Institute for Psychiatric and Behavioral Genetics.

Chris Andrews, Ph.D. Pre-doctoral training at Carnegie Mellon University (1995-1997) Research: *Statistical Top-down strategies in genomics*. Role: Ph.D. Thesis Committee Member. Currently: Research Assistant Professor, Department of Biostatistics, SUNY Buffalo.

Brion Maher, Ph.D. Pre-doctoral training at the University of Pittsburgh (1997-2000) Research: MS, *Segregation Analysis of Attention Deficit Hyperactivity Disorder*; Ph.D, *Genetic Analyses of Attention Deficit Hyperactivity Disorder and Its Underlying Dimensions*. Role: Committee Member for Masters and Ph.D. Currently: Associate Professor of Psychiatry and Human Genetics, Johns Hopkins University.

Angus MacDonald, Ph.D. Pre-doctoral training at the University of Pittsburgh (1997-2000) Research*: The persistence and transmission of the genes for liability to schizophrenia: An evolutionary psychopathology perspective.* Role: Committee member for Specialty Paper, Department of Psychology. Currently: Associate Professor, Department of Psychology, University of Minnesota.

Carrie Melvin Drovdlic, M.S. Pre-doctoral training at the University of Pittsburgh (1999-2000) Research: *Genetic Counseling for Paraganglioma*. Role: Masters Thesis Committee Member. Currently: Clinical and Academic Genetic Counselor, Children's National Medical, Washington, DC.

Erynn Gordon, M.S. Pre-doctoral training at the University of Pittsburgh (2000-2001) Research: *Migraine in Autistic Families*. Role: Masters Thesis Committee Member. Currently: Genetic Counselor, Case Western Reserve University, Cleveland, Ohio.

Johnny Lam, M.S. Pre-doctoral training at Department of Statistics, Carnegie Mellon University (1998-2000) Research: *Haplotype fine-mapping by evolutionary trees.* Role: Ph.D. Thesis Committee member.

Karen TCuenco, Ph.D. Post-doctoral training, University of Pittsburgh (2001-2003). Research: *Genetics of Schizophrenia in Oceanic Palau*. Role: Mentor. Currently: Assistant Professor, University of Pittsburgh.

Xiaohua Zhang, Ph.D. Pre-doctoral training at Carnegie Mellon University (1999-2002) Research: *Statistical methods for discovering disease susceptibility genes in human populations.* Role: Ph.D. Thesis Committee member. Currently: Biometrician, Merck Pharmaceuticals

Jung-Ying Tzeng, Ph.D. Pre-doctoral training at Carnegie Mellon University (2001-2003) Research: *Identification of mutations affecting liability to complex disease by the analysis of haplotypes* Role: Ph.D. Thesis Committee member. Currently: Associate Professor with tenure, Department of Statistics, North Carolina State University.

Hui-Ju Tsai, Ph.D. Pre-doctoral training at the University of Pittsburgh, Department of Human Genetics (2002-2004) Research: Comparison of methods incorporating covariates into affected sib pair linkage analysis. Role: Ph.D. Thesis Committee member. Currently: Assistant Professor, Department of Pediatrics, The Feinberg School of Medicine, Northwestern University.

Douglas Williamson, Ph.D. K01 award/training (2002-2007) Research: Environmental modifiers of familial risk for Major Depressive Disorders. Role: Co-Mentor. Currently: Associate Professor with tenure, University of Texas Health Science Center, School of Medicine, Department of Psychiatry.

Nadine Melhem, Ph.D. NARSAD and Klingenstein awards /training (2004-2006) and K01 (2007-2012). Research: Genetic linkage study of suicidal behavior in an Arab family. Role: Co-Mentor. Currently: Assistant Professor, University of Pittsburgh, School of Medicine, Department of Psychiatry.

Andrew Gilbert, M.D. K12 award/training (2005-2009) Research: Neural Imaging Markers for Obsessive Compulsive Disorder in High Risk Offspring. Role: Co-Mentor. Currently: Assistant Professor of Psychiatry, Department of Psychiatry, The Mount Sinai Medical Center.

Michael Vanyukov, Ph.D. K02 award (2005-2009) Research: Phenogenetics of liability to substance use disorders. Role: Consultant. Currently: Professor, University of Pittsburgh, School of Pharmacy.

Michael Talkowski, Ph.D. Pre-doctoral training at the University of Pittsburgh, Department of Human Genetics (2005-2008) Research: Refining the genetic basis of the dopamine hypothesis of schizophrenia. Role: Ph.D. Thesis Committee member. Currently: Assistant Professor, Center for Human Genetic Research, Massachusetts General Hospital, Harvard University, Boston.

Samsiddhi Bhattacharjee, Ph.D. Pre-doctoral training at the University of Pittsburgh, Department of Human Genetics (2007-2008) Research: Variance component score statistics for QTL mapping. Role: Ph.D. Thesis Committee member. Currently: Assistant Professor, National Institute of Biomedical Genomics, India.

Diana Luca, PhD. Pre-doctoral training at the Carnegie Mellon University, Department of Statistics (2007-2008) Research: Genetic matching by ancestry in genome-wide association studies. Role: Ph.D. Thesis Committee member. Currently: Statistician, Genentech.

Andrew Crossett, PhD candidate. Pre-doctoral training at the Carnegie Mellon University, Department of Statistics (2009-2012) Research: Ancestry matching to combine family-based and unrelated samples for genome-wide association studies. Role: Ph.D. Thesis Committee member. Currently: Assistant Professor of Mathematics, West Chester University.

Xiaojing Zheng, Ph.D. Pre-doctoral training at the University of Pittsburgh, Department of Biostatistics (2010-2012) Research: Statistical Methods and Analysis for Human Genetic Copy Number Variation. Role: Ph.D. Thesis Committee member. Currently: Research Assistant Professor, University of Pittsburgh.

Li Liu, M.S. Pre-doctoral training at the Carnegie Mellon University, Department of Statistics (2012-2011) Research: Ancestry matching to combine family-based and unrelated samples for genome-wide association studies. Role: Ph.D. Thesis Committee member. Currently: Graduate Student.

Cara Drovlic, B.S. Masters in Genetic Counseling, University of Pittsburgh, Department of Human Genetics (2012-) Research: Homozygosity mapping of schizophrenia risk loci in Oceanic Palau. Role: Supervisor and Committee member. Currently: Genetic Counselor, Buffalo, NY.

Participation in Advanced Data Analysis (ADA). ADA, a course at Carnegie Mellon University, Department of Statistics, produces a project of 9-12 month duration involving a statistics graduate student, an expert in a particular scientific area, and one or more statisticians. I have served both scientific and statistical roles on a regular (almost yearly) basis since 1997.

RESEARCH ACTIVITIES

Current Grants

2 R37 MH57881-16 – "Genetic Association in Schizophrenia and Other Disorders."
Principal Investigator 25%, 7/1/13 - 6/30/18 – National Institute of Mental Health, $337,738.

No number (Devlin) – Autism Genetics
Principal Investigator 5%, 10/1/2012 - 9/30/2013 – Yale University Child Study Center, $87,000.

1R01MH100209-01 (Devlin) – "3/4 - The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes"
Principal Investigator 10%, 9/1/2013 - 4/30/2016, National Institute of Mental Health, $337,738.

No number (Roeder/State) – "A gene-driven systems biological approach to ASD pathology"
Co-investigator 10%, 7/1/2013-6/30/2016, Simons Foundation

No number (Nimgaonkar) – Testing Biomarkers for Schizophrenia Based on Infectious Exposure & Host Genetic Variation
Co-investigator 5%, 8/1/2007 - 6/30/2016 – Stanley Foundation $295,652.

1 R01 MH093246-01A1 (Nimgaonkar) – Multi-Pronged Genetic Studies of Schizophrenia in an Inbred Population
Co-Investigator 10%, 9/20/2012 - 7/31/2017 1 – National Institute of Mental Health, $455,699.

1R01AG027224-01 (Sweet) – "Prediction of Psychosis in Alzheimer Disease"
Co-Investigator 5%, 4/1/07 - 3/31/12 – National Institute of Aging.

5R01AA008082-18 (Hill) – "Biological Risk Factors in Relatives of Alcoholic Women"
Co-investigator 10%, 8/1/2010 - 7/31/2015, National Institute of Alcohol Abuse and Alcoholism, $670,960.

No number (Schultz) – "Characterizing IQ Impairments in ASD and Testing their Genetic Foundations"
Co-investigator 10%, 9/1/2013 - 8/31/2014 – Simons Foundation

Training Grants

5D43TW008302-02 – Tri-national Training Program for Psychiatric Genetics, 8/82009-7/31/2014, National Institute of Mental Health & Fogarty International Center.
PI & Director: Vishwajit Nimgaonkar, M.D.
Role: Consultant (0% effort)

2T32HL007560-28 – Cardiovascular Behavioral Medicine Research Training Program, 7/1/1988-6/30/2011, National Heart, Lung and Blood Institute
PI & Director: Karen Mathews
Role: Training Faculty Member (0% effort)

5T32MH018951-20 – Clinical Research Training in Child Psychiatry, 8/1/1990-6/30/2011, National Institute of Mental Health
PI & Director: David Brent
Role: Training Faculty Member (0% effort)

Completed Grants
ACS80758 – "Cloning the Imprinted Hereditary Paraganglioma Gene(s)"
PI, 7/1/96 – 6/30/99 – American Cancer Society.

MH60342 – "Mapping Schizophrenia Genes in Daghestanian Isolates"
Co-Investigator, 07/01/99 – 06/30/00– National Institute of Mental Health.

No Number – "Autism Genetics Project – Genome Scan for Autism"
PI, 9/1/04-8/31-06 -- National Alliance for Autism Research.

DA019157 – "Substance Use Disorder Liability: Candidate Gene System"
Co-Investigator, 3/1/00-01/31/06 – National Institute of Drug Abuse.

MH56193 – "Risk Factors in Childhood Depression" – Statistics Core
Co-Investigator, 8/1/02 – 7/31/07 – National Institute of Mental Health.

MH056242 – "Genetic Susceptibility in Schizophrenia"
Co-Investigator, 8/1/03 - 7/31/07 - National Institute of Mental Health.

AG021024 – "Genetic Epidemiology of Musculoskeletal Aging"
Co-Investigator, 9/1/02 – 8/31/07 - National Institute of Aging.

MH62568 "Genetics of Anxious/Depressive Behaviors in Macaques"
Co-Investigator, 12/1/02 - 11/30/07 – National Institute of Mental Health.

1 R01 MH63420 "Genetic Determinants of Bipolar Disorder"
Co-Investigator, 5/1/03-4/30/08 - National Institute of Mental Health.

1R01MH063295-04 – "Admixture Mapping Schizophrenia Genes in Oceanic Palau"
PI, 7/15/03 – 6/30/08 – National Institute of Mental Health, $125,000.

1 R01 MH66278 – "Schizophrenia Liability Genes Among African Americans"
PI, 9/1/02 – 7/31/09 – National Institute of Mental Health, $125,000.

1 R01 MH66117 – "Genetics of Anorexia Nervosa"
PI, 9/1/02 – 7/31/09 – National Institute of Mental Health, $200,000.

R25MH60473 - Training Future Generations of Mental Health Researchers –
Program Director: C.F. Reynolds III, M.D., Co-Program Director: P.A. Pilkonis, Ph.D.
Course Director: Quantitative Methods for Psychiatric Genetics – Bernie Devlin, Ph.D.

1 R01 DA019157 – "Substance Use Disorder Liability: Candidate Gene System"
Co-Investigator, 9/30/04 - 7/31/09 - National Institute of Drug Abuse.

W81XWH-07-1-0619 – "Genetic and environmental pathways in Type I diabetic complications"
Co-Investigator 5%, 6/1/07 - 5/31/09 - Department of Defense.

The Psychiatric GWAS Consortium: Integrated & Coordinated GWAS Meta-Analyses
Co-Investigator 20%, 9/1/08 – 8/31/09 – National Institute of Mental Health $189,375.

No Number – "Autism Genetics Project – Genome Scan for Autism"
Principal Investigator 20%, 4/1/07-12/31-10 – Autism Speaks, $178,000.

2 P01 HL40962 (Manuck) – "Biobehavioral studies of cardiovascular disease."

Co-Investigator 5%, 07/01/07 - 06/30/12 - National Heart, Lung, and Blood Institute.

1 R01 MH089025 (Buxbaum) – "Elaborating the Genetic Architecture of Autism by Deep Genomic Sequencing" Co-investigator 10%, 9/30/2009 - 8/31/12, National Institute of Mental Health $173,602.

1R01MH080375 – "Genetics of Schizophrenia in Oceanic Palau"
Principal Investigator 10%, 9/11/08 - 5/31/12 – National Institute of Mental Health, $75,000.

5D43TW006167 (Nimgaonkar) – Training Program for Psychiatric Genetics in India, 9/18/2002-8/31/2011, National Institute of Mental Health & National Human Genome Research Institute. Training Faculty Member (0% effort)

T32 MH019986 (Reynolds) – Clinical and Translational Research Training in Geriatric Mental Health, 7/15/1997-6/30/2011. Training Faculty Member (0% effort)

Simons Simplex Collection Genetics Consortium (State); Genomewide scan, Phase 1
Project Director 10%, 8/1/08 – 6/30/12 – Simons Foundation Award, $131,060.

5U01DK062420 (Duerr) – "NIDDK IBD genetics consortium genetics research center"
Co-investigator 5%, 9/1/2010 - 8/31/2012, National Institute of Diabetes and Digestive and Kidney Diseases, $337,751.

Recent Seminars and Invited Lectureships

2010 Invited Speaker, Brain Research, "Do common variants play a role in risk for autism: An evaluation of autism data and theoretical musings?"
2010 Invited Speaker, University of Pennsylvania, "Do common variants play a role in risk for autism? An evaluation of autism data and musings on missing heritability."
2011 Invited Speaker, Autism Through the Lifespan Conference, Autism Speaks & UPMC Passavant, "Genetic variants affecting risk for autism spectrum disorders."
2011 Invited Speaker, Autism Sequencing Consortium Meeting, National Institute of Health, "Genetic architecture of autism spectrum disorders."
2011 Invited Speaker, International Autism Research Collaboration Development Conference, Autism Speaks & Fudan University/Fudan Children's Hospital, "Genetic architecture of autism spectrum disorders."
2011 Invited Speaker, Department of Psychiatry, University of Pittsburgh, "Genetic architecture of autism spectrum disorders."
2012 Invited Speaker, Child Development Unit, Children's Hospital of Pittsburgh, University of Pittsburgh, "Genetic architecture of autism spectrum disorders."
2012 Invited Presenter, New Neuroscience Faculty Conference, Cold Spring Harbor Laboratory (co-hosted by NIMH and NINDS).
2012 Keynote Speaker, International Meeting For Autism Researchers, Toronto, Canada, "Common and rare genetic variants in the etiology of ASD; Where Is the Field Heading?"
2012 Invited Speaker, Departments of Psychiatry & Genetics and Genomic Sciences, Mount Sinai School of Medicine. "Common and rare genetic variants in the etiology of ASD"

OTHER RESEARCH RELATED ACTIVITIES

Journal Review and Editorship

- Associate Editor *Biometrics* (1997-2002)

- Editorial Board, *Autism Research* (2008-)
- Editorial Board, *Molecular Autism* (2009-)
- Associate Editor, *Molecular Autism* (2012-)

Grant Review Activity

Prior to 2005

- IRG Panels as *ad hoc* reviewer: NIH Mammalian Genetics (MGN; multiple times); Genome (GNM; multiple times); Small Business Study Section in Genetic Sciences (ZRG1 SSS-Y; multiple times); Genetics of Human Disease (GHD multiple times)
- Special Emphasis IRG Panels: National Institute of Environmental Health Services; NIH Quantitative Genetics Study Section; National Heart, Lung, and Blood Institute
- Cure Autism Now, grant application review group

2005 onward

- IRG Member, Access Committee for the Center for Inherited Disease Research (CIDR), CAC, 2005-2010; Chair of the CAC, 2008-2010
- National Institute of Mental Health, Board of Scientific Counselors, ad hoc, October 2008
- IRG Member, Genetics of Human Disease (GHD) from October 2009 – June 2013
- Member, Scientific Advisory Council of the American Foundation for Suicide Prevention, 2005-present
- Scientific Advisory Board, Autism Speaks
- Scientific Advisory Board, NeuroDevNet, a Canadian National Center of Excellence

Journal Reviewer

Regular reviewer, 1997 – present: *American Journal of Human Genetics, American Journal of Medical Genetics, Annals of Human Genetics, Biological Psychiatry, Biometrics, European Journal of Human Genetics, Genes Brain and Behavior, Genetics, Genetic Epidemiology, Human Genetics, Human Heredity, Human Molecular Genetics, Molecular Psychiatry, Nature Genetics, Neuropsychiatric Genetics,*

Occasional reviewer: *American Journal of Psychiatry, Annals of Neurology, Archives of Neurology, Current Anthropology, Genome Biology, International Psychogeriatrics, Journal of the American Statistical Association, Mathematical Biosciences, Nature, Nature Neuroscience, Neuropsychiatric Genetics, Proceedings of the National Academy of Science, Statistical Methods in Medical Research, Statistics in Medicine, Science, Theoretical Population Biology*

NATIONAL SERVICE

- Member, DNA Advisory Board (National advisory board for DNA forensics) (1995-2000)
- Member, National Forensic DNA Review Panel (National advisory board for forensic DNA proficiency testing 1996-1999)
- Consultant, Department of Justice (1995-1999)
- Report for the Carnegie Commission (1995): Devlin, B., S. E. Fienberg, D. Resnick and K. Roeder. IQ, Race and Public Policy: An Analysis of *The Bell Curve*

UNIVERSITY COMMITTEES

- Ad-hoc Faculty Search Committees, Departments of Human Genetics (2001) & Psychology (2005, 2006.)
- University of Pittsburgh Institutional Review Board Member January 2004 to January 2010.
- Chair Search Committee, Department of Psychiatry (2009).