

## CURRICULUM VITAE

**ADDRESS:** Jan Bressler, Ph.D.  
Human Genetics Center  
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**EDUCATION:** Columbia University, New York, New York  
B.S., Biological Sciences, 1991

Baylor College of Medicine, Houston, Texas  
Ph.D., Molecular Genetics, 2000

University of Texas School of Public Health, Houston, Texas  
M. P. H., Disease Control, 2002

**ACADEMIC HONORS:** *Magna cum laude*; Phi Beta Kappa  
Columbia University, New York, New York

Young Investigators Award (November 2007)  
University of Texas Health Science Center at Houston

### PROFESSIONAL EXPERIENCE:

2005-present            University of Texas School of Public Health, Houston, Texas  
                                 Division of Epidemiology  
                                 Human Genetics Center  
                                 Assistant Professor

2001-2005              Baylor College of Medicine, Houston, Texas  
                                 Department of Molecular and Human Genetics  
                                 Postdoctoral Associate  
                                 Dr. Arthur L. Beaudet

1993-2000              Baylor College of Medicine, Houston, Texas  
                                 Department of Molecular and Human Genetics  
                                 Predoctoral Program  
                                 Dr. Arthur L. Beaudet

- 1993 M.D. Anderson Cancer Center, Houston, Texas  
Department of Experimental Pediatrics/Medical Genetics  
Research Trainee  
genetic epidemiology of breast cancer in the Li-Fraumeni  
familial cancer syndrome  
Dr. Louise C. Strong
- 1991 Columbia University, New York, New York  
Department of Biological Sciences  
Research Trainee  
late onset neurodegeneration in the nematode *C. elegans*  
Dr. Martin Chalfie
- 1981-1988 Memorial Sloan-Kettering Cancer Center, New York, New York  
Departments of Immunology and Pathology  
Research Assistant  
proliferation and differentiation of hematopoietic cells  
Drs. Jen-Wei Chiao and Michael Andreeff

#### **ABSTRACTS:**

1. Chiao JW, **Bressler J**, Pinsky C, Hirshaut Y, Oettgen HF, and Clarkson B (1982) Induction of differentiation of HL-60 leukemic cells by post-endotoxin serum. Proc Am Assoc Cancer Res. 23:43.
2. Andreeff M, Slater DE, **Bressler J**, and Furth ME (1985) Cellular oncogene expression measured by flow cytometry in a hematopoietic cell line. UCLA Symposium on Molecular and Cellular Biology: Leukemia; Keystone, Colorado
3. Andreeff M, Bokemeyer C, Verbeek W, and **Bressler J** (1987) Flow cytometric studies of *c-ras* gene expression and DNA content in human leukemia. Blood 70: Suppl.1, 273a.
4. Hegewisch S, **Bressler J**, Haimi J, Souza L, Welte K, and Andreeff M (1988) Induction of differentiation by granulocyte and granulocyte-macrophage colony-stimulating factor and cytosine arabinoside in the human myeloid leukemic cell line KG-1. Proc Am Assoc Cancer Res. 29:368.
5. Cattanach BM, Barr J, Beechey CV, **Bressler J**, Sutcliffe JS, Beaudet AL, Martin J, Noebels JL, and Jones J (1996) A mouse model for Angelman syndrome. Am J Hum. Genet. 59 Suppl., A59.

6. Tsai TF, Jiang YH, **Bressler J**, and Beaudet AL (1997) Generation of mouse models for Prader-Willi syndrome by Cre/*loxP*-mediated chromosomal deletion. *Am J Hum Genet.* 61 Suppl., A322.
7. **Bressler J**, Tsai TF, Ortiz M, and Beaudet AL (1998) Targeted deletions to localize an imprinting center on mouse chromosome 7. *Am J Hum Genet.* 63 Suppl., A321.
8. Tsai TF, Jiang YH, **Bressler J**, and Beaudet AL (1998) Paternal deletion from *Snrpn* to *Ube3a* causes hypotonia, growth retardation and partial lethality in the mouse: Evidence for a Prader-Willi gene. *Am J Hum Genet.* 63 Suppl., A343.
9. **Bressler J**, Tsai TF, and Beaudet AL (1999) Analysis of an imprinting control center on mouse chromosome 7 by targeted deletions. *Am J Hum Genet.* 65 Suppl., A51.  
PLATFORM PRESENTATION
10. **Bressler J**, Tsai TF, and Beaudet AL (2000) Targeted deletions in the mouse to localize *cis* elements controlling imprinting in the Prader-Willi/Angelman syndrome region. *Am J Hum Genet.* 67 Suppl., 18. PLATFORM PRESENTATION
11. Jiang YH, **Bressler J**, Liu Q, and Beaudet AL (2002) Tissue-specific DNA methylation correlates with brain-specific imprinting of the Angelman gene, UBE3A. *Am J Hum Genet* 71 Suppl., 168. PLATFORM PRESENTATION
12. Rahbar MH, Loveland KA, Samms-Vaughan M, Boerwinkle E, **Bressler J**, del Junco D, Pearson DA, Assassi P, Pellington S, Grove ML, Bloom K, Beecher C, Brooks K, and Ardjomand-Hessabi M (2010) Gene-environment related epidemiological research on autism in Jamaica. International Meeting for Autism Research, Philadelphia, Pennsylvania
13. Rahbar MH, Samms-Vaughan M, Loveland KA, Boerwinkle E, **Bressler J**, Pearson DA, Pellington S, Beecher C, Grove ML, Ardjomand-Hessabi M, and Bloom K (2011) Paternal and maternal age are jointly related to autism spectrum disorders in Jamaican children. International Meeting for Autism Research, San Diego, CA
14. Ibrahim-Verbaas C, Debette S, **Bressler J**, Schuur M, Smith AV, Bis J, Davies G, Petrovic K, Kirin M, Zgaga L, Hayward C, Yang Q, Schmidt H, Breteler M, Wilson J, Seshadri S, Schmidt R, Fitzpatrick A, Deary I, van Duijn C, Ikram M, Launer L, and Mosley T (2011) Genome wide association study of executive function. *Alzheimer's and Dementia* 7:Suppl. S186-S187
15. Debette S, Schmidt H, Wilson J, Srikanth V, Zgaga L, Kirin M, Yu L, Stankovich J, Yang Q, Schmidt R, Hayward C, Campbell H, **Bressler J**, Davies G, Bis J, Petrovic K, Bennett D, Seshadri S, Smith AV, Ibrahim-Verbaas C, Mosley T, Ikram M, Schuur M, van Duijn C, Breteler M, Deary I, Launer L, and Fitzpatrick A (2011) Genome-wide association study of memory performance. *Alzheimer's and Dementia* 7:Suppl. S93

16. Rahbar MH, Samms-Vaughn M, Loveland KA, Ardjomand-Hessabi M, Chen Z, **Bressler J**, Pellington S, Grove ML, Bloom KM, Pearson DA, Lalor GC, and Boerwinkle E (2012) Seafood consumption and blood mercury concentrations in Jamaican children with and without autism spectrum disorders. International Meeting for Autism Research, Toronto, Canada
17. Demerath EW, Guan W, Pankow JS, Grove ML, North K, Fornage M, **Bressler J**, Mosley TH, and Boerwinkle E (2013) Genome-wide methylation study of body mass index (BMI) in African American adults: preliminary data from the ARIC study. American Heart Association Epidemiology and Prevention & Nutrition, Physical Activity and Metabolism 2013 Scientific Sessions, New Orleans, LA
18. Pankow JS, Demerath EW, Guan W, **Bressler J**, Fornage M, Hicks C, Mosley TH, Boerwinkle E (2013) Epigenome-wide methylation profiling in a CVD cohort: the ARIC study. American Heart Association Epidemiology and Prevention & Nutrition, Physical Activity and Metabolism 2013 Scientific Sessions, New Orleans, LA
19. Rahbar MH, Samms-Vaughn M, Ma J, **Bressler J**, Loveland KA, Ardjomand-Hessabi M, Dickerson AS, Grove ML, Shakespeare-Pellington S, Beccher C, McLaughlin W, and Boerwinkle E. Interaction between GSTT1 and GSTP1 as a modulator of risk for autism spectrum disorders. Translational Science 2014 Meeting, Washington, DC

#### **RESEARCH PUBLICATIONS:**

1. Andreeff M, Slater DE, **Bressler J**, and Furth ME (1986) Cellular *ras* oncogene expression and cell cycle measured by flow cytometry in hematopoietic cell lines. *Blood* 67: 676-681.
2. Albino AP, Nanus DM, Mentle IR, Cordon-Cardo C, McNutt NS, **Bressler J**, and Andreeff M (1989) Analysis of *ras* oncogenes in malignant melanoma and precursor lesions: Correlation of point mutations with differentiation phenotype. *Oncogene* 4: 1363-1374.
3. Sutcliffe JS, Jiang YH, Galjaard R-J, Matsuura T, Fang P, Kubota T, Christian SL, **Bressler J**, Cattanaach B, Ledbetter DH, and Beaudet AL (1997) The E6-AP ubiquitin-protein ligase (UBE3A) gene is localized within a narrowed Angelman syndrome critical region. *Genome Res.* 7: 368-377.
4. Jiang YH, Tsai TF, **Bressler J**, and Beaudet AL (1998) Imprinting in Angelman and Prader-Willi syndromes. *Curr Opin Genet Dev.* 8: 334-342.
5. Jiang YH, Tsai TF, **Bressler J**, and Beaudet AL (1999). Genetics of Angelman syndrome. *Am J Hum Genet.* 65: 1-6.

6. Tsai TF, Jiang YH, **Bressler J**, Armstrong D, and Beaudet AL (1999) Paternal deletion from *Snrpn* to *Ube3a* in the mouse causes hypotonia, growth retardation and partial lethality and provides evidence for a gene contributing to Prader-Willi syndrome. *Hum Mol Genet.* 8: 1357-1364.
7. **Bressler J**, Tsai TF, Wu MY, Tsai SF, Ramirez MA, Armstrong D, and Beaudet AL (2001) The SNRPN promoter is not required for genomic imprinting of the Prader-Willi/Angelman domain in mice. *Nat Genet.* 28: 232-240.
8. Tsai TF, **Bressler J**, Jiang YH, and Beaudet AL (2003) Disruption of the genomic imprint in *trans* with homologous recombination at *Snrpn* in ES cells. *Genesis* 37:151-161.
9. Jiang YH, **Bressler J**, and Beaudet AL (2004) Epigenetics and human disease. *Annu Rev Genomics Hum Genetics* 2004; 5:479-510.
10. Jiang YH, Sahoo T, Michaelis RC, Bercovich D, **Bressler J**, Kashork CD, Liu Q, Shaffer LG, Schroer RJ, Stockton DW, Spielman RS, Stevenson RE, and Beaudet AL. (2004) A mixed epigenetic/genetic model for oligogenic inheritance of autism with a limited role for UBE3A. *Am J Med Genet.* 131A:1-10.
11. Wu MY, Chen KS, **Bressler J**, Hou A, Tsai TF, and Beaudet AL. (2006) Mouse imprinting defect mutations that model Angelman syndrome. *Genesis* 44:12-22.
12. Jiang YH, Wakui K, Liu Q, **Bressler J**, Pan YZ, Kashork CD, Hong L, Shaffer LG, and Beaudet AL (2008) Genomic analysis of the chromosome 15q11-q13 Prader-Willi syndrome region and characterization of transcripts for *GOLGA8E* and *WHCD1L1* from the proximal breakpoint region. *BCM Genomics* Jan 28; 9:50
13. **Bressler J**, Fornage M, Hanis CL, Kao WH, Lewis CE, McPherson R, Dent R, Mosley TH, Pennacchio LA, and Boerwinkle E (2009) The *INSIG2* rs7566605 genetic variant does not play a major role in obesity in a sample of 24,722 individuals from four cohorts. *BCM Med Genet* Jun 12:10:56
14. **Bressler J**, Folsom AR, Couper DJ, Volcik KA, and Boerwinkle E (2010) Genetic variants identified in a European genome-wide association study that were found to predict incident coronary heart disease in the Atherosclerosis Risk in Communities Study. *American Journal of Epidemiology* 171:14-23
15. **Bressler J**, Kao WHL, Pankow JS, and Boerwinkle E (2010) Risk of type 2 diabetes and obesity is differentially associated with variation in *FTO* in whites and African-Americans in the ARIC study. *PLoS One* 5 (5): e10521
16. Demerath E, Lutsey PL, Monda KL, Kao WHL, **Bressler J**, Pankow JS, North KE, and Folsom AR (2011) Interaction of *FTO* SNP rs9939609 and habitual physical activity

level on adiposity in African-American and European-American adults: The ARIC Study. *Obesity* 19:1866-1872

17. **Bressler J**, Shimmin LC, Boerwinkle E and Hixson JE (2011) Global DNA methylation and subclinical atherosclerosis in young adults: The Pathobiological Determinants of Atherosclerosis in Youth (PDAY) study. *Atherosclerosis* 219:958-962
18. Rahbar MH, Samms-Vaughan M, Loveland KA, Pearson DA, **Bressler J**, Chen Z, Ardjomand-Hessabi M, Shakespeare-Pellington S, Grove ML, Beecher C, Bloom K, and Boerwinkle E (2012) Maternal and paternal age are jointly associated with childhood autism in Jamaica. *Journal of Autism and Developmental Disorders* 42:1928-1938
19. Rahbar MH, Samms-Vaughan M, Ardjomand-Hessabi M, Loveland KA, Dickerson AS, Chen Z, **Bressler J**, Shakespeare-Pellington, Grove ML, Bloom K, Wirth J, Pearson DA, and Boerwinkle E (2012) The role of drinking water sources, consumption of vegetables and seafood to blood arsenic concentrations of Jamaican children with Autism Spectrum Disorders. *Science of the Total Environment* 433:362-370
20. **Bressler J**, Fornage M, Demerath EW, Knopman DS, Monda KL, North KE, Penman A, Mosley TH, and Boerwinkle E (2013) Fat mass and obesity gene and cognitive decline: the Atherosclerosis Risk in Communities Study. *Neurology* 80:92-99
21. Rahbar MH, Samms-Vaughan M, Loveland KA, Ardjomand-Hessabi M, Chen Z, **Bressler J**, Shakespeare-Pellington S, Grove ML, Bloom K, Pearson DA, Lalor GA, and Boerwinkle E (2013) Seafood consumption and blood mercury concentrations in children with and without autism spectrum disorders. *Neurotoxicity Research* 23:22-38
22. **Bressler J**, Pankow JS, Coresh J, and Boerwinkle E (2013) Interaction between the *NOS3* gene and obesity as a determinant of risk of type 2 diabetes: the Atherosclerosis Risk in Communities Study. *PLoS One* 8:e79466
23. European Alzheimer's Disease Initiative (EADI); Genetic and Environmental Risk in Alzheimer's Disease; Alzheimer's Disease Genetic Consortium; Cohorts for Heart and Aging Research in Genomic Epidemiology, Lambert JC, Ibrahim-Verbaas CA, Harold D, Naj AC, Sims R, Bellenguez C, DeStefano AL, Bis JC, Beecham GW, Grenier-Bolley B... **Bressler J (369/443)**...Pericak-Vance MA, Launer LJ, Farrer LA, van Duijn CM, Van Broeckhoven C, Moskvina V, Seshadri S, Williams J, Schellenberg GD, Amouyel P (2013) Meta-analysis of 74,046 individuals identifies 11 new susceptibility loci for Alzheimer's disease. *Nat Genet* 45:1452-1458
24. Lin H, Wang M, Brody JA, Bis JC, Dupuis J, Lumley T, McKnight B, Rice KM, Sitlani CM, Reid JG, **Bressler J**, Liu X, Davis BC, Johnson AD, O'Donnell CJ, Kovar CL, Dinh H, Wu Y, Newsham I, Chen H, Broka A, DeStefano AL, Gupta M, Lunetta KL, Liu CT, White CC, Xing C, Zhou Y, Heckbert SR, Psaty BM, Muzny DM, Cupples A, Morrison AC, Boerwinkle E (2014) Strategies to design and analyze targeted

sequencing data: the Cohorts for Hearts and Aging Research in Genomic Epidemiology (CHARGE) targeted sequencing study. *Circ Cardiovasc Genet* 7:335-343

25. Rahbar MH, Samms-Vaughn M, Dickerson AS, Loveland KA, Ardjomand-Hessabi M, **Bressler J**, Lee M, Shakespeare-Pellington S, Grove ML, Pearson DA, and Boerwinkle E (2014) Role of fruits, grains, and seafood consumption in blood cadmium concentrations of Jamaican children with and without autism spectrum disorder. *Res Autism Spectr Disord* 8:1134-1145

26. Rahbar MH, Samms-Vaughn M, Ma J, **Bressler J**, Loveland KA, Ardjomand-Hessabi M, Dickerson AS, Grove ML, Shakespeare-Pellington S, Beecher C, McLaughlin W, and Boerwinkle E (2014) Role of metabolic genes in blood arsenic concentrations of Jamaican children with and without autism spectrum disorder. *Int J Environ Res Publ Health* 11:7874-7895

27. Rahbar MH, Samms-Vaughn M, Dickerson AS, Loveland KA, Ardjomand-Hessabi M, **Bressler J**, Shakespeare-Pellington S, Grove ML, Pearson DA, and Boerwinkle E (2014) Blood manganese concentrations in Jamaican children with and without autism spectrum disorders. *Environ Health* 13:69

28. Bose M, Wu C, Pankow JS, Demerath EW, **Bressler J**, Fornage M, Grove ML, Mosley TH, Hicks C, North K, Kao WH, Zhang Y, Boerwinkle E and Guan W (2014) Evaluation of microarray-based DNA methylation measurement using technical replicates: the Atherosclerosis Risk in Communities (ARIC) Study. *BMC Bioinformatics* 15:312

29. DeBette S, Ibrahim-Verbaas CA, **Bressler J**, Schuur M, Smith A, Bis JC, Davies G, Wolf C ... (+ 109) ... Bennett DA, Ikram MA, Deary IJ, van Duijn CM, Launer L, Fitzpatrick AL, Seshadri S, and Mosley TH (2014) Genome-wide studies of verbal declarative memory in non-demented older people: the CHARGE consortium. *Biological Psychiatry* 77:749

30. Aslibekyan S, Demerath EW, Zhi D, Guan W, Sha J, Pankow JS, Irvin MR, Fornage M, Hidalgo B, Lin L-A, Thibeault KS, **Bressler J**, Tsai MY, Grove ML, Hopkins PN, Boerwinkle E, Borecki IB, Ordovas IB, Absher D, and Arnett DK (2014) Epigenome-wide study identifies novel methylation loci associated with body mass index and waist circumference. *Obesity* (in press)

31. Davies G, Armstrong A, Bis J, **Bressler J**, Chouraki V, Giddaluru S, Hofer E, Ibrahim-Verbaas CA, Kirin M, Lahti J... (+ 112)... Wilson JF, van Duijn C, Launer L, Fitzpatrick AL, Seshadri S, Mosley TH, and Deary IJ. (2015) Genetic contributions to variation in general cognitive function: a meta-analysis of genome-wide association studies in the CHARGE consortium (N = 53 949). *Mol Psychiatry* 20:183

32. Rahbar MH, Samms-Vaughn M, Dickerson AS, Loveland KA, Ardjomand-Hessabi M, **Bressler J**, Shakespeare-Pellington S, Grove ML, Pearson DA, and Boerwinkle E

(2014) Blood lead concentrations in Jamaican children with and without autism spectrum disorder. *Int J Environ Res Pub Health* 12:83-105

33. Demerath EW, Guan W, Grove ML, Aslibekyan S, Mendelson M, Zhou Y-H, Hedman AK, Sandling JK, Li L-A, Irvin MR, Zhi D, Deloukas P, Liang L, Liu C, **Bressler J**, Spector TD, North K, Li Y, Absher DM, Levy D, Arnett DK, Fornage M, Pankow JS, and Boerwinkle E (2015) Epigenome-wide association study (EWAS) of BMI, BMI change, and waist circumference in African American adults. *Hum Mol Genet* May 1 [Epub ahead of print]

34. Rahbar MH, Samms-Vaughn M, Ma J, **Bressler J**, Loveland KA, Hessabi M, Dickerson AS, Grove ML, Shakespeare-Pellington S, Beecher C, McLaughlin W, and Boerwinkle E (2015) Interaction between *GSTT1* and *GSTP1* allele variants as a risk modulating-factor for autism. *Res Autism Spectr Disord* 12:1-9

35. Rahbar MH, Samms-Vaughn M, Dickerson AS, Loveland KA, Ardjomand-Hessabi M, **Bressler J**, Shakespeare-Pellington S, Grove ML, and Boerwinkle E (2015) Factors associated with blood lead concentrations of children in Jamaica. *J Environ Sci Health, Part A* 50:529

36. Jun G, Ibrahim-Verbaas CA, Vronskaya M, Lambert C, Chung J, Naj AC, Kunkle BW, Wang LS, Bis JC, Bellenguez C...**Bressler J** (296/430)...Lathrop M, Goate AM, Escott-Price V, Seshadri S, Pericak-Vance MA, Amouyel P, Williams J, van Duijn CM, Schellenberg GD, and Farrer LA (2015) A novel Alzheimer disease locus located near the gene encoding tau protein. *Mol Psychiatry* Mar 17 [Epub ahead of print]

37. Ibrahim-Verbaas C\*, **Bressler J\***, Dobbie S\*, Schuur M\*, Smith A\*, Bis J\*, Davies G\*, Trompet S, Smith J, Wolf C, Chibnik L, Liu Y...(+ 105) ... Bennett D\*, Deary I\*, Ikram M\*, Launer L\*, Fitzpatrick A\*, Seshadri S\*, van Duijn C\*, and Mosley T\* (2015) GWAS for executive function and processing speed suggests involvement of the *CADM2* gene. *Mol Psychiatry* April 14 [Epub ahead of print]  
\*authors contributed equally

38. Rahbar MH, Samms-Vaughn M, Dickerson AS, Hessabi M, **Bressler J**, Desai CC, Shakespeare-Pellington S, Reece JA, Morgan R, Loveland KL, Grove ML, Boerwinkle E (2015) Concentrations of lead, mercury, cadmium, aluminum, arsenic and manganese in umbilical cord blood of Jamaican newborns. *Int J Environ Res Pub Health* 12:4481-4501

## RESEARCH FUNDING:

Current Research Support:

1U19AG046190-01 (Boerwinkle, E)  
NIH/NIA

10/1/13 – 9/30/17

Sequence-Based Discovery of AD Risk and Protective Alleles – Project 2

This project will bring together experts in Alzheimer's disease, human genetics,

biostatistics, and genome sciences to identify risk and protective single nucleotide and copy number variants influencing Alzheimer's disease and Alzheimer's disease-related endophenotypes.

Role: Co-Investigator

R01NS087541 (Fornage, M MPI) 4/1/14 - 3/31/18

NIH/NINDS

An Integrated Genetic and Epigenetic Approach to Cerebral Small Vessel Disease

This is to identify genetic and epigenetic variants influencing brain vascular disease.

Role: Co-Investigator

1R01ES022165-01 (Rahbar, MH) 9/3/13 –4/30/18

NIH/FIC

Epidemiological Research on Autism in Jamaica

The aim of this project is to increase collaboration among teams in the United States and Jamaica to build capacity for collecting genetic data and conducting epidemiologic research on autism spectrum disorders. A study will be carried out to examine whether exposure to environmental contaminants including polychlorinated biphenyls, organochlorine pesticides, and heavy metals, polymorphisms in glutathione S-transferase genes, and their potential interaction play a role in susceptibility to autism.

Role: Co-investigator

Completed Research Support:

U01-HL096917 (Mosley, TH) 7/7/10 – 4/30/14

NIH/NHLBI/NINDS/NEI

ARIC Neurocognitive Study (ARIC NCS)

ARIC NCS will identify risk factors for dementia, mild cognitive impairment, and cognitive decline in the biracial longitudinal ARIC cohort study of the natural history of atherosclerosis.

Role: Co-investigator

1008200 (Boerwinkle, E) 2/1/09 – 1/31/2015

Burroughs-Wellcome Fund

The Training Program in Gene-Environment Interaction is a multidisciplinary training program designed to prepare graduate students pursuing a doctoral degree to comprehensively study the combined impact of genetic susceptibility factors and modifiable environmental exposures on human disease.

Role: Co-investigator

5R21HD057808-02 (Rahbar, MH) 6/3/09 – 5/31/12

NIH/FIC

Epidemiological Research on Autism in Jamaica

The aim of this project is to increase collaboration among teams in the United States and Jamaica to build capacity for collecting genetic data and conducting

epidemiologic research on autism spectrum disorders. A pilot study will be carried out to examine whether exposure to heavy metals, polymorphisms in glutathione-S-transferase genes, and their potential interaction play a role in susceptibility to autism.  
Role: Co-investigator

1R21HL088677-01 (Bressler, J)  
NIH/NHLBI

4/1/07 – 3/31/10

DNA Methylation Profiles in a Polygenic Mouse Model of Diet-Induced Obesity  
The primary goal of the project is to test the hypothesis that the pathogenesis of adult-onset obesity and atherosclerosis in wild-type mice may involve changes in DNA methylation in target organs, and that these methylation changes may result in changes in gene expression.  
Role: Principal investigator

5 T32 DK07664  
NIH/NIDDK

3/1/03 – 2/28/05

Pediatric Gastroenterology Training Grant

The goal of this research project was to analyze the molecular basis of Prader-Willi syndrome, a pediatric genetic disorder with phenotypic features including morbid obesity, by evaluating the role of non-coding RNAs mapping to the syntenic region of mouse chromosome 7C.

Role: Postdoctoral fellow

#### **PROFESSIONAL SOCIETIES:**

American Society of Human Genetics (2005– present)

#### **NATIONAL COMMITTEES AND CONSORTIA:**

National Committees:

2008 NIH/NHLBI, Working Group on Epigenetic Contributions to Coronary Artery Disease

Epidemiology Study Consortium:

2008 – present Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium, Cognitive Function Working Group, representative – Atherosclerosis Risk in Communities (ARIC) Study

Journals:

2008 Physiological Genomics

2008	Journal of Clinical Endocrinology and Metabolism
2010	Annals of Human Genetics
2010	The Pharmacogenomics Journal
2010	Nutrition, Metabolism, and Cardiovascular Diseases
2010	American Journal of Epidemiology
2010	Carcinogenesis
2011	BMC Medical Genetics
2012	Obesity
2012	Cancer Causes and Control
2012	Atherosclerosis
2013	Atherosclerosis
2014	Neurology

**UTHealth COMMITTEES:**

2008 – present Animal Welfare Committee

**SCHOOL of PUBLIC HEALTH COMMITTEES:**

2008 – 2010	Peer Review Committee
2011- present	Admissions Committee, Division of Epidemiology, Human Genetics and Environmental Sciences (non-voting member)
2011- present	Core Curriculum Committee, Division of Epidemiology, Human Genetics and Environmental Sciences
2011-2012	Office of Academic Advising, Division of Epidemiology, Human Genetics and Environmental Sciences

**SCHOOL of PUBLIC HEALTH ADVISORY COMMITTEES:**

Academic Advisor, M.P.H. or M.S. Students, Division of Epidemiology, Human Genetics, and Environmental Sciences:

2006 – 2009	Zubin Segal, M.P.H candidate
2006 – 2008	Priyanka Desai, M.P.H. candidate
2007 – 2010	Sukhdeep Basra, M.P.H. candidate
2007 – 2009	Joseph William, M.P.H. candidate
2007 – 2009	Jesse Dunkle, M.P.H. candidate
2007 – 2009	Colin Malone, M.P.H. candidate
2007 – 2008	Jaffar Alfardan, M.P.H. candidate, (Dallas)
2008 – 2011	Simit Doshi, M.P.H. candidate
2009 – 2012	Tejal Patel, M.P.H. candidate
2010 – 2011	Cosmina Gingaras, M.P.H. candidate
2010 – 2012	Xiang Shu, M.S. candidate
2010 – 2013	Harleen Sandhu, M.P.H. candidate
2010 – 2012	Abhijit Salaskar, M.P.H. candidate

2010 – 2012	Shishir Raman, M.P.H. candidate
2010 – 2012	Mandar Karhade, M.P.H. candidate
2010 – 2012	Ramona Barac, M.P.H. candidate
2010 – 2011	Azy Zangeneh, M.P.H. candidate
2010 – present	Pritul Patel, M.P.H. candidate
2011 – 2012	Puja Aggarwal, M.P.H. candidate
2011 – 2013	Rachel Atkinson, M.P.H. candidate
2011 – 2013	Jinhye Cha, M.P.H. candidate
2011 – 2013	Joanne Espinosa, M.P.H. candidate
2011 – 2012	Vaiva Gerasimaviciute, M.P.H. candidate
2011 – 2014	Swapnil Khose, M.P.H. candidate
2011 – 2014	Harshad Ladha, M.P.H. candidate
2011 – 2013	Bingjie Li, M.P.H. candidate
2011 – 2013	Jin Liu, M.P.H. candidate
2011 – 2013	Divina Oweis, M.P.H. candidate
2011 – 2012	Krunal Patel, M.P.H. candidate
2011 – 2014	Shekhar Patil, M.P.H. candidate
2011 – present	Seema Prasad, M.P.H. candidate
2011 – 2012	Khantil Shah, M.P.H. candidate
2011 – present	Maithili Shethia, M.P.H. candidate
2011 – 2013	Ashita Sinha, M.P.H. candidate
2011 – 2014	Saurabh Talathi, M.P.H. candidate
2011 – 2013	Xerxes Pundole, M.P.H. candidate
2011 – 2014	Aisha Rafiq, M.P.H. candidate
2012 – 2014	Dhaval Desai, M.P.H. candidate
2012 – present	Tushar Pawar, M.P.H. candidate
2012 – 2014	Amruta Atre, M.P.H. candidate
2012 – 2013	Angela Bhalla, M.P.H. candidate
2012 – 2014	Priyanka Priyanka, M.P.H. candidate
2012 – 2014	Nisarg Shah, M.P.H. candidate
2012 – present	Manu Sharma, M.P.H. candidate
2012 – 2014	Gaya Perera, M.P.H. candidate
2012 – 2014	Michael Strayhorn, M.P.H. candidate
2013 – present	Yohanna Cerna, M.P.H. candidate
2013 – 2014	Kelly Colclasure, M.P.H. candidate
2013 – present	Liyun Fan, M.P.H. candidate
2014 – present	Kankana Ghosh, M.P.H. candidate
2014 – present	Tahani Hamdan, M.P.H. candidate
2014 – present	Tehseen Iqbal, M.P.H. candidate
2015 – present	Aditya Wagh, M.P.H. candidate

Advisory Committee Member, M.P.H. Students:

2006 – 2007	Karon Cassidy, M.P.H. candidate, Division of Management, Policy and Community Health
2006 – 2008	Monica Clark, M.P.H. candidate, Division of Environmental Sciences

2006 – 2009	Andrea Yu Chan, M.P.H. candidate, Division of Management, Policy and Community Health
2007	Betsy Goldstein, M.P.H. candidate, Division of Management, Policy and Community Health
2007	Hatem Saqr, M.P.H. candidate, Division of Management, Policy and Community Health
2008 – 2010	Tiffany Dean, M.P.H. candidate, Division of Environmental Sciences
2008 – present	Tal Ben-Galim, M.P.H. candidate, Division of Health Promotion and Behavioral Sciences
2009	Melody Hernandez, M.P.H. candidate, Division of Environmental Sciences
2009 –2010	Azy Zangeneh, M.P.H. candidate, Division of Health Promotion and Behavioral Sciences
2010 – present	Anirban Battacharyya, M.P.H. candidate, Division of Biostatistics
2012	Devsmitta Das, M.P.H. candidate, Division of Epidemiology
2013	Abayomi Ogunwale, M.P.H. candidate, Division of Epidemiology

Advisory Committee Member, Ph.D. Students:

2008	Hatem Saqr, Ph.D. candidate, Division of Management, Policy and Community Health
2008 - 2009	E. Susan Amirian, Ph.D. candidate, Division of Epidemiology, University of Texas School of Public Health
2009 – 2010	A.J. Agopian, Ph.D. candidate, Division of Epidemiology, University of Texas School of Public Health
2009 – 2011	Yu-Jing Huang, Ph.D. candidate, Division of Epidemiology, University of Texas School of Public Health
2011 – 2012	Michelle Mekky, Ph.D. candidate, Division of Epidemiology, University of Texas School of Public Health
2012 – present	Chi Nguyen, Ph.D. candidate, Division of Epidemiology, University of Texas School of Public Health
2014 – present	Shailesh Advani, Ph.D. candidate, Division of Epidemiology, University of Texas School of Public Health

**UTHealth GRADUATE SCHOOL of BIOMEDICAL SCIENCES  
ADVISORY COMMITTEES:**

Advisory Committee Member, M.S. Students:

2010	Sarah Tudor, M.S. candidate in Biomedical Sciences, University of Texas Health Science Center at Houston, Graduate School of Biomedical Sciences
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Examining Committee Member, Ph.D. Students:

2007                    Examining Committee Member for Catie Spellicy, Ph.D. candidate in Biomedical Sciences, University of Texas Health Science Center at Houston, Graduate School of Biomedical Sciences

Advisory Committee Member, Ph.D. Students:

2008 – 2011        Qian Liu, Ph.D. candidate in Biomedical Sciences, University of Texas Health Science Center at Houston, Graduate School of Biomedical Sciences

**TEACHING EXPERIENCE:**

2005 – 2011        Lecturer, University of Texas School of Public Health, Genetics and Human Disease (Course PH 2815)

2006 – 2007        Lecturer, University of Texas Graduate School of Biomedical Sciences, Current Topics in Human and Molecular Genetics (Course GS110631)

2007                    Lecturer, University of Texas School of Public Health, Pathology and Public Health (Course PH 2810)

2007 – 2008        Lecturer, University of Texas School of Public Health, Genetic Epidemiology of Chronic Disease (Course PH 2950)

2007 – 2008        Co-Coordinator, University of Texas School of Public Health, Advanced Epidemiologic Methods I (Course PH 2710)

2007 – present     Co-Coordinator, University of Texas School of Public Health, Seminar in Genetics and Population Biology (Course PH 2960)

2007 – present     Co-Coordinator, University of Texas Graduate School of Biomedical Sciences, Molecular and Cellular Approaches to Human Disease (Course GS110023)

2009 - present     Co-Coordinator, University of Texas School of Public Health, Genetic Epidemiology of Chronic Disease (Course PH 2950)

2009                    Lecturer, University of Texas School of Public Health, Mutagenesis and Carcinogenesis (Course PH 2165)

2009                    Teaching Associate, Fundamentals of Epidemiology (Course 20093PHW2610L200)

2010 - present     Co-Coordinator, University of Texas School of Public Health, Neuroepidemiology (Course PH 2998 L)

2010 – 2011      Lecturer, University of Texas School of Public Health, Genetics and  
Infectious Disease (Course PH 2731)

2015              Lecturer, University of Texas School of Public Health, Economic and  
Social Determinants of Health (Course PH 3922)

**TEXAS MEDICAL CENTER COMMITTEES:**

2010 - present    Baylor College of Medicine Alumni Association Executive Committee