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EDUCATION

2014 Ph.D., Human and Statistical Genetics, Washington University in St. Louis
2008 ScM, Biostatistics, Johns Hopkins Bloomberg School of Public Health
2004 B.S., Applied Mathematics, National Chiao Tung University, Taiwan

RESEARCH POSITIONS

Apr. 2020- Tenure-track Assistant Professor, Department of Genetics at Washington University School of Medicine

June 2018-Mar. 2020 Postdoctoral Fellow, Rockefeller University

Sep. 2014-May 2018 Postdoctoral Fellow, Yale University School of Medicine

Prof. Richard P. Lifton (advisor), Department of Genetics
Prof. Martina Brueckner (co-advisor), Department of Pediatrics (Cardiology)
Prof. Hongyu Zhao (co-advisor), Department of Biostatistics

Mar. 2011-Sept. 2014 Graduate Research Assistant, Washington University School of Medicine

Prof. Alison M. Goate (advisor), Department of Genetics
Prof. Carlos Cruchaga (co-advisor), Department of Psychiatry

Jan. 2008-Sept. 2008 Research Assistant, Johns Hopkins School of Medicine

Prof. Leslie Cope (advisor), Department of Oncology

Aug. 2007-June 2008 Research Assistant, National Cancer Institute

Prof. Nilanjan Chatterjee (advisor), Division of Cancer Epidemiology and Genetics

PROFESSIONAL EXPERIENCE

July 2008-Aug. 2010 Senior Biostatistician, Johns Hopkins School of Medicine

Sept. 2004-Feb. 2006 Lieutenant, Republic of China (Taiwanese) Army

FUNDING AND FELLOWSHIPS

2019- 2024 K99/R00 Pathway to Independence Award, NHLBI, NIH
2019 Postdoctoral Association Career Development Award, Rockefeller University
2018 American Heart Association Postdoctoral Fellowship
2015 James Hudson Brown – Alexander B. Coxe Fellowship, Yale School of Medicine
2014 Howard Hughes Medical Institute Postdoctoral Fellowship, Howard Hughes Medical Institute at Yale School of Medicine
2012 Alzheimer's Association International Conference Travel Fellowship, Alzheimer's Association International Conference
2011-2013 Fellow, Lucille P. Markey Special Emphasis Pathway in Human Pathobiology, Markey Foundation, Washington University School of Medicine

AWARDS

2012 Best Oral Presentation Award, Human & Statistical Genetics Program, Washington University School of Medicine
2007-2008 Departmental Scholarship, Department of Biostatistics, Johns Hopkins
2007 Cancer Research Training Award, National Cancer Institute, NIH
2006 Merica Institute Scholarship

PUBLICATIONS

Selected Articles (*Equal contribution)

1. Alloco A*, **Jin SC***, Duy PQ*, Furey CG, Zeng X, Dong W, Nelson-Williams C, Karimy JK, DeSpensa T, Hao LT, Reeves B, Haider S, Gunel M, Lifton RP, Kahle KT. Recessive inheritance of

congenital hydrocephalus with other structural brain abnormalities caused by compound heterozygous mutations in *ATP1A3* (2019). *Frontiers Cellular Neuroscience*. PMID: 31616254.

2. **Jin SC***, Furey CG*, Zeng X, Alloco A, Nelson-Williams C, Karimy JK, Dong W, Ma S, Delpire E, Kahle KT. SLC12A ion transporter mutations in sporadic and familial human congenital hydrocephalus (2019). *Molecular Genetics & Genomic Medicine*. PMID: 31393094.
3. Duran D*, Zeng X*, **Jin SC***, Choi J*, Nelson-Williams C, Yatsula B, Gaillard J, Furey CG, Lu Q, Timberlake AT, Dong W, Sorscher MA, Loring E, Klein J, Allocco A, Hunt A, Conine S, Karimy JK, Youngblood MW, Zhang J, DiLuna ML, Matouk CC, Mane SM, Tikhonova IR, Castaldi C, López-Giráldez F, Knight J, Haider S, Soban M, Alper SL, Komiyama M, Ducruet AF, Zabramski JM, Dardik A, Walcott BP, Stapleton CJ, Aagaard-Kienitz B, Rodesch G, Jackson E, Smith ER, Orbach DB, Berenstein A, Bilguvar K, Gunel M, Lifton RP, Kahle KT. Mutation in epigenetic modifiers and signaling regulators of neurovascular development in Vein of Galen malformation (2018). *Neuron*. PMID: 30578106.
4. **Jin SC***, Homsy J*, Zaidi S*, Lu Q, Morton S, DePalma S, Zeng X, Qi H, Chang W, Hung W, Sierant M, Haider S, Zhang J, Knight J, Bjornson R, Castaldi C, Tikhonova I, Bilguvar K, Mane S, Sanders S, Mital S, Russell M, Gaynor W, Deanfield J, Giardini A, Porter G, Srivastava D, Lo C, Shen Y, Watkins S, Yandell M, Yost J, Tristani-Firouzi M, Newburger J, Roberts A, Kim R, Zhao H, Kaltman J, Goldmuntz E, Chung W, Seidman J, Gelb B, Seidman C, Lifton RP, Brueckner M. (2017). Contribution of rare transmitted and de novo variants among 2,871 congenital heart disease probands. *Nature Genetics*, 49(11): 1593-1601. PMID: 28991257.
5. Duran D*, **Jin SC***, DeSpensa T Jr*, Nelson-Williams C, Cogal AG, Abrash EW, Harris PC, Lieske JC, Shimshak SJ, Mane S, Bilguvar K, DiLuna ML, Günel M, Lifton RP, Kahle KT. (2016). Digenic mutations of human OCRL paralogs in Dent's disease type 2 associated with Chiari malformation. *Human Genome Variation*, 3:16042. PMID: 28018608.
6. **Jin SC***, Carrasquillo MM*, Benitez BA, Skorupa T, Carrell D, Patel D, Lincoln S, Krishnan S, Kachadoorian M, Reitz C, Mayeux R, Wingo TS, Lah JJ, Levey AI, Murrell AI, Hendrie H, Foroud T, Graff-Radford NR, Goate AM, Cruchaga C, Ertekin-Taner N. (2015). *TERM2* is associated with increased risk for Alzheimer's disease in African Americans. *Molecular Neurodegeneration*, 10; 10:19. PMID: 25886450.
7. **Jin SC**, Benitez BA*, Karch CM*, Cooper B, Skorupa T, Carrell D, Norton JB, Hsu S, Harari O, Cai Y, Bertelsen S, Goate AM, Cruchaga C. (2014). Coding variants in *TREM2* increase risk for Alzheimer's disease. *Human Molecular Genetics*, 23(21): 5838-5846. PMID: 24899047.
8. Benitez BA*, **Jin SC***, Guerreiro R, Graham R, Lord J, Harold D, Sims R, Lambert JC, Gibbs JR, Bras J, Sassi C, Harari O, Bertelsen S, Lupton MK, Powell J, Bellenguez C, Brown K, Medway C, Haddick PC, van der Brug MP, Bhangale T, Ortmann W, Behrens T, Mayeux R, Pericak-Vance MA, Farrer LA, Schellenberg GD, Haines JL, Turton J, Braae A, Barber I, Fagan AM, Holtzman DM, Morris JC; 3C Study Group; EADI consortium; Alzheimer's Disease Genetic Consortium; Alzheimer's Disease Neuroimaging Initiative; GERAD Consortium, Williams J, Kauwe JS, Amouyel P, Morgan K, Singleton A, Hardy J, Goate AM, Cruchaga C. (2014). Missense variants in *TREML2* protects against Alzheimer's disease. *Neurobiology of Aging*, 35(6): 1510.e19-1510.e26. PMID: 24439484.
9. **Jin SC**, Pastor P, Cooper B, Cervantes S, Benitez BA, Razquin C, Goate AM, Ibero-American Alzheimer's Disease Genetics Group Researchers, Cruchaga C. (2012). Poole-DNA sequencing identifies novel causative variants in *PSEN1*, *GRN*, and *MAPT* in a clinical early-onset and familial Alzheimer's disease Ibero-American cohort. *Alzheimer's Research & Therapy*. 4(4):34. PMID: 22906081.

Other Published Work (*Equal contribution)

10. **Jin SC***, Lewis S*, Bakhtiari S*, Zeng X*, Sierant MC, Norton B, Corbett M, Elie A, Norton B, Eyk CV, Elie A, Brunstrom-Hernandez J, Papavasileiou A, Fahey MC, Berry JG, Harper K, Zhou C, Magee H, Liu J, Guida BS, Junhui Zhang, Magee H, Li B, Heim J, Webber DL, Frank MS, Xia L, Xu, Y, Castaldi C, Tikhonova IR, Cho M, Retterer K, Milan F, Wang Y, Waugh JL, Rodan L, Cohen JS, Fatemi A, Lin A, Phillips J, Feyma T, MacLennan SC, Vaughan S, Crompton KE, Reid SM, Reddihough DS, Shang Q, Gao C, Wilson Y, Badawi N, Novak I, McIntyre S, Mane SM, Wang X, Amor D, Zarnescu DC, Lu Q, Xing Q, Zhu C, Bilguvar K, Padilla-Lopez S, Lifton RP, Gecz J, MacLennan AH, Kruer MC. Mutations in genes crucial for neuritogenesis and maturation are a major risk factor for cerebral palsy. *In revision Nature Genetics*

11. Timberlake AT, **Jin SC**, Nelson-Williams C, Wu R, Furey CG, Islam B, Haider S, Loring E, Galm A, Yale Center for Genome Analysis, Steinbacher D, Larysz D, Staffenberg D, Flores R, Rodriguez E, Boggon TJ, Persing JA, Lifton RP. Damaging *de novo* and transmitted mutations in *TFAP2B* and genes of the BMP, WNT and Hedgehog pathways in syndromic craniosynostosis (2019). **PNAS**. PMID: 31292255.
12. Robson A, Makova S, Barish S, Zaidi S, Mehta S, Drozd J, **Jin SC**, Gelb B, Seidman C, Chung WK, Lifton RP, Khokha M, Brueckner M. Core components of the Histone H2B monoubiquitination complex regulate heart development via transcriptional control of cilia motility (2019). **PNAS**. PMID: 31235600.
13. Chang SJ, **Jin SC**, Jiao X, Galán JE.. Unique features in the intracellular transport of typhoid toxin revealed by a genome-wide screen (2019). **PLoS Pathogens**. PMID: 30951565.
14. Helbig K, Laurer R, Bahr J, Souza I, Myers C, Uysal B, Schwarz N, Gandini M, Huang S, Keren B, Mignot C, Afenjar A, Billette de Villemeur T, Heron D, Nava C, Valence S, Buratti J, Fagerberg C, Soerensen K, Kibaek M, Kamsteeg EJ, Koolen D, Gunning B, Schelhaas HJ, Kruer M, Fox Jordana, Bakhtiari S, Jarrar R, Padilla-Lopez SR, Lindstrom K, **Jin SC**, Zeng X, Bilguvar K, Papavasileiou A, Xing Q, Zhu C, Boysen K, Vairo F, Lanpher B, Klee E, Tilema JM, Payne E, Baker J, Haan E, Smith N, Corbett M, MacLennan A, Gecz J, Biskup S, Goldmann E, Rodan L, Kichula E, Segal E, Jackson K, Asamoah A, Dimmock D, McCarrier J, Botto L, Filloux F, Tvrdik T, Cascino G, Klingerman S, Neumann C, Wang R, Jacobsen J, Nolan M, Snell R, Lehnert K, Sadleir L, Guerrini R, Friez M, Lyons M, Achkar CE, Smith L, Rotenberg A, Poduri A, Sanchis-Juan A, Carss K, Rankin J, Zeman A, Raymond F, Hurles M, Blyth M, Kerr B, Ruiz K, Urquhart J, Hughes I, Banka S, Hedrich U, Scheffer I, Helbig I, Zamponi G, Lerche H, Mefford H. *De novo* pathogenic variants in *CACNA1E* cause developmental and epileptic encephalopathy with congenital contractures, macrocephaly, and dyskinesias. (2018). **American Journal of Human Genetics**. PMID: 30343943.
15. Furey CG, Zeng X*, Dong W*, **Jin SC**, Choi J, Timberlake AT, Dunbar AM, Allocco AA, Gunel M, Lifton RP, Kahle KT. (2018). Human genetics and molecular mechanisms of congenital hydrocephalus. **World Neurosurgery**. PMID: 30205212.
16. Furey CG*, Choi J*, **Jin SC**, Zeng X, Timberlake AT, Nelson-Williams C, Mansuri MS, Lu Q, Duran D, Panchagnula S, Allocco A, Karimy JK, Gaillard J, Antwi P, Khanna A, Loring E, Butler WE, Smith ER, Warf BC, Limbrick DD, Storm PB, Heuer G, Iskandar BJ, Johnston JM, Bilguvar K, Mane S, Tikhonova I, Castaldi C, Lopez-Giraldez F, Knight J, Alper SL, Haider S, Guclu B, Bayri Y, Sahin Y, Duncan CC, DiLuna ML, Gunel M, Lifton RP, Kahle KT. (2018). *De novo* mutation in genes regulating neural stem cell fate in human congenital hydrocephalus. **Neuron**. PMID: 29983323.
17. Fomchenko E*, Duran D*, **Jin SC**, Dong W, Erson-Omay EZ, Allocco A, Gaillard J, Cord B, Huttner A, Gunel M, DiLuna M, Kahle K. (2018). *De Novo MYH9* mutation in congenital scalp hemangioma. **Cold Spring Harbor Molecular Case Studies**. PMID: 29903892.
18. Antwi P, Hong CS, Duran D, **Jin SC**, Dong W, DiLuna M, Kahle, K. (2018). A novel association of campomelic dysplasia with hydrocephalus due to an unbalanced chromosomal translocation upstream of *SOX9*. **Cold Spring Harbor Molecular Case Studies**. PMID: 29695406.
19. Scholl UI, Stölting G*, Schewe J*, Thiel A, Tan H, Nelson-Williams C, Vichot AA, **Jin SC**, Loring E, Untiet V, Yoo T, Choi J, Xu S, Wu A, Kirchner M, Mertins P, Rump LC, Onder AM, Gamble C, McKenney D, Lash RW, Jones DP, Chune G, Gagliardi P, Choi M, Gordon R, Stowasser M, Fahlke C, Lifton RP. (2018). *CLCN2* chloride channel mutations in familial hyperaldosteronism type II. **Nature Genetics**, 50(3):349-354. PMID: 29403011.
20. Huang KL*, Marcora E*, Pimenova AA, Di Narzo AF, Kapoor M, **Jin SC**, Harari O, Bertelsen S, Fairfax BP, Czajkowski J, Chouraki V, Grenier-Boley B, Bellenguez C, Deming Y, McKenzie A, Raj T, Renton AE, Budde J, Smith A, Fitzpatrick A, Bis JC, DeStefano A, Adams HHH, Ikram MA, van der Lee S, Del-Aguila JL, Fernandez MV, Ibañez L; International Genomics of Alzheimer's Project; Alzheimer's Disease Neuroimaging Initiative, Sims R, Escott-Price V, Mayeux R, Haines JL, Farrer LA, Pericak-Vance MA, Lambert JC, van Duijn C, Launer L, Seshadri S, Williams J, Amouyel P, Schellenberg GD, Zhang B, Borecki I, Kauwe JSK, Cruchaga C, Hao K, Goate AM. (2017). A common haplotype lowers PU.1 expression in myeloid cells and delays onset of Alzheimer's disease. **Nature Neuroscience**, 20(8): 1052-1061. PMID: 28628103.
21. Benitez BA, Davis AA, **Jin SC**, Ibanez L, Ortega-Cubero S, Pastor P, Choi J, Cooper B, Perlmutter JS, Cruchaga C. (2016). Resequencing analysis of five Mendelian genes and the top genes from

genome-wide association studies in Parkinson's Disease. *Molecular Neurodegeneration*, 19; 11:29. PMID: 27094865.

22. Song W, Hooli B, Mullin K, **Jin SC**, Cella M, Ulland TK, Wang Y, Tanzi RE, Colonna M. (2016). Alzheimer's disease-associated *TREM2* variants exhibit either decreased or increased ligand-dependent activation. *Alzheimer's & Dementia*, 13(4): 381-387. PMID:27520774
23. Homsy J*, Zaidi S*, Shen Y*, Ware JS*, Samocha KE, Karczewski KJ, DePalma SR, McKean D, Wakimoto H, Gorham J, **Jin SC**, Deanfield J, Giardini A, Porter GA Jr, Kim R, Bilguvar K, López-Giráldez F, Tikhonova I, Mane S, Romano-Adesman A, Qi H, Vardarajan B, Ma L, Daly M, Roberts AE, Russell MW, Mital S, Newburger JW, Gaynor JW, Breitbart RE, Iossifov I, Ronemus M, Sanders SJ, Kaltman JR, Seidman JG, Brueckner M, Gelb BD, Goldmuntz E, Lifton RP, Seidman CE, Chung WK. (2015). *De novo* mutations in congenital heart disease with neurodevelopmental and other congenital anomalies. *Science*, 350(6265):1262-1266. PMID: 26785492.
24. Cruchaga C, Karch CM*, **Jin SC***, Benitez BA, Cai Y, Guerreiro R, Harari O, Norton J, Budde J, Bertelsen S, Jeng AT, Cooper B, Skorupa T, Carrell D, Levitch D, Hsu S, Choi J, Ryten M; UK Brain Expression Consortium, Hardy J, Ryten M, Trabzuni D, Weale ME, Ramasamy A, Smith C, Sassi C, Bras J, Gibbs JR, Hernandez DG, Lupton MK, Powell J, Forabosco P, Ridge PG, Corcoran CD, Tschanz JT, Norton MC, Munger RG, Schmutz C, Leary M, Demirci FY, Bamne MN, Wang X, Lopez OL, Ganguli M, Medway C, Turton J, Lord J, Braae A, Barber I, Brown K; Alzheimer's Research UK Consortium, Pastor P, Lorenzo-Betancor O, Brkanac Z, Scott E, Topol E, Morgan K, Rogaeva E, Singleton AB, Hardy J, Kambh MI, St George-Hyslop P, Cairns N, Morris JC, Kauwe JS, Goate AM. (2014). Rare coding variants in the phospholipase D3 gene confer risk for Alzheimer's disease. *Nature*, 505(7484): 550-554. PMID: 24336208.
25. Cruchaga C*, Kauwe JS*, Harari O, **Jin SC**, Cai Y, Karch CM, Benitez BA, Jeng AT, Skorupa T, Carrell D, Bertelsen S, Bailey M, McKean D, Shulman JM, De Jager PL, Chibnik L, Bennett DA, Arnold SE, Harold D, Sims R, Gerrish A, Williams J, Van Deerlin VM, Lee VM, Shaw LM, Trojanowski JQ, Haines JL, Mayeux R, Pericak-Vance MA, Farrer LA, Schellenberg GD, Peskind ER, Galasko D, Fagan AM, Holtzman DM, Morris JC; GERAD Consortium; Alzheimer's Disease Neuroimaging Initiative Alzheimer's Disease Genetic Consortium, Goate AM. (2013). GWAS of cerebrospinal fluid tau levels identifies risk variants for Alzheimer's disease. *Neuron*, 78(2):256-268. PMID: 23562540.
26. Benitez BA, Karch CM, Cai Y, **Jin SC**, Cooper B, Carrell D, Bertelsen S, Chibnik L, Schneider JA, Bennett DA; Alzheimer's Disease Neuroimaging Initiative; Genetic and Environmental Risk for Alzheimer's Disease Consortium, Fagan AM, Holtzman DM, Morris JC, Goate AM, Cruchaga C. (2013). The PSEN1, p.E318G variant increases the risk of Alzheimer's disease in *APOE-ε4* carriers. *PLoS Genetics*, 9(8): e1003685. PMID: 23990795.
27. Benitez BA, Cooper B, Pastor P, **Jin SC**, Lorenzo E, Cervantes S, Cruchaga C. (2013). *TERM2* is associated with the risk of Alzheimer's disease in Spanish population. *Neurobiology of Aging*, 34(6): 1711.e15-1711.e17. PMID: 23391427.
28. Patel PJ, Beaty TH, Ruczinski I, Murray JC, Marazita ML, Munger RG, Hetmanski JB, Wu T, Murray T, Rose M, Redett RJ, **Jin SC**, Lie RT, Su-Chou YH, Wang H, Ye X, Yeow V, Chong S, Jee SH, Shi B, Scott AF. (2013). X-linked Markers in the Duchenne Muscular Dystrophy Gene Associated with Oral Clefts. *European Journal of Oral Sciences*, 121(2): 63-68. PMID: 23489894.
29. Wang H, Zhang T, Wu T, Hetmanski JB, Ruczinski I, Schwender H, Murray T, Fallin MD, Redett RJ, Raymond GV, **Jin SC**, Wu-Chou YH, Chen PK, Yeow V, Chong SS, Cheah FS, Jee SH, Jabs EW, Liang KY, Scott A, Beaty TH. (2013). The *FGF&FGFR* gene family and risk of cleft lip with or without cleft palate. *The Cleft Palate-Craniofacial Journal*, 50(1):96-103. PMID: 22074045.
30. Beaty TH, Ruczinski I, Murray JC, Marazita ML, Munger RG, Hetmanski JB, Murray T, Redett RJ, Fallin MD, Liang KY, Wu T, Patel PJ, **Jin SC**, Zhang TX, Schwender H, Wu-Chou YH, Chen PK, Chong SS, Cheah F, Yeow V, Ye X, Wang H, Huang S, Jabs EW, Shi B, Wilcox AJ, Lie RT, Jee SH, Christensen K, Doheny KF, Pugh EW, Ling H, Scott AF. (2011). Evidence for gene-environment interaction in a genome wide study of isolated, nonsyndromic cleft palate. *Genetic Epidemiology*, 35(6):469-478. PMID: 21618603.
31. Beaty TH, Murray JC, Marazita ML, Munger RG, Ruczinski I, Hetmanski JB, Liang KY, Wu T, Murray T, Fallin MD, Redett RA, Raymond G, Schwender H, **Jin SC**, Cooper ME, Dunnwald M, Mansilla MA, Leslie E, Bullard S, Lidral AC, Moreno LM, Menezes R, Vieira AR, Petrin A, Wilcox

- AJ, Lie RT, Jabs EW, Wu-Chou YH, Chen PK, Wang H, Ye X, Huang S, Yeow V, Chong SS, Jee SH, Shi B, Christensen K, Melbye M, Doheny KF, Pugh EW, Ling H, Castilla EE, Czeizel AE, Ma L, Field LL, Brody L, Pangilinan F, Mills JL, Molloy AM, Kirke PN, Scott JM, Arcos-Burgos M, Scott AF. (2010). A genome-wide association study of cleft lip with and without cleft palate identifies risk variants near *MAFB* and *ABCA4*. *Nature Genetics*, 42(6):525-529. PMID: 20436469.
32. Caporaso N*, Gu F*, Chatterjee N*, **Jin SC**, Yu K, Yeager M, Chen C, Jacobs K, Wheeler W, Landi MT, Ziegler RG, Hunter DJ, Chanock S, Hankinson S, Kraft P, Bergen AW. (2009). Genome-wide and candidate gene association study of cigarette smoking behavior. *PLoS ONE*, 4(2):e4653. PMID: 19247474.

Book Chapter

1. **Jin SC**, Benitez BA, Deming Y, Cruchaga C. Pooled-DNA sequencing for elucidation of genomic risk factors/rare variants underlying Alzheimer's disease (2016). *The Systems Biology of Alzheimer's Disease: Methods and Protocols*. Springer.

Reviews

1. Zeng X, Hunt A, **Jin SC**, Duran D, Gaillard J, Kahle KT. EphrinB2-EphB4-RASA1 signaling in human cerebrovascular development and disease (2019). *Trends in Molecular Medicine*.

CURRENT AND PENDING SUPPORT

Active

1K99HL143036-01A1 (Jin)	4/1/2019-3/31/2021	12 CM
NIH/NHLBI	\$164,600	
<i>Integrative Genomic Analysis of Congenital Heart Disease</i>		
Role: PI		

Pending

4R00HL143036-02 (Jin)	4/1/2020-3/31/2021	3.0 CM
NIH/NHLBI (pending K99 completion)	\$249,000	
<i>Integrative Genomic Analysis of Congenital Heart Disease</i>		
Role: PI		

1R01NS109358 (Kahle)	4/1/2020-8/31/2024	2.4 CM
NIH/NINDS (funded)	\$26,532 (salary only)	
Subaward to Yale University		
<i>Human genetics and molecular mechanisms of congenital hydrocephalus</i>		
Role: Co-Investigator		

R01 (Kahle/Boggon)	4/1/2020-11/30/2024	0.6 CM
NIH/NINDS (pending review)	\$7,560 (salary only)	
Subaward to Yale University		
<i>Human genetics and molecular mechanisms of Vein of Galen aneurysmal malformation</i>		
Role: Co-Investigator		

R01 (Dobbs/Gurnett)	7/1/2020-6/30/2025	0.6 CM
NIH/NIAMS (pending review)	\$7,560 (salary only)	
<i>Genetic risk factors for severe scoliosis</i>		
Role: Co-Investigator		

SELECTED/INVITED TALKS

Oct. 2019	Selected talk , NHLBI Bench to Bassinet Program Annual Face-To-Face Conference, Rockville, MD
Sept. 2019	Invited talk , The 3 rd International Cerebral Palsy Genomics Consortium Conference, Anaheim, CA
Jan. 2019	Invited talk , Waisman Center, University of Wisconsin - Madison
Jan. 2019	Invited talk , Mindich Child Health and Development Institute, Icahn School of Medicine at Mount Sinai

Dec. 2018	Invited talk , National Taiwan University College of Medical Institute of Medical Genomics and Proteomics
Nov. 2018	Invited talk , Institute for Genomic Medicine, Nationwide Children's Hospital
Nov. 2018	Invited talk , Eugene McDermott Center for Human Growth and Development, University of Texas Southwestern Medical Center
Sept. 2018	Invited talk , Department of Genetics, Washington University in St. Louis
June 2018	Invited webinar , Rare Disease Seminar Series
April 2018	Invited keynote presentation , The 2 nd International Cerebral Palsy Genomics Consortium Conference, Zhengzhou, China
Dec. 2017	Invited talk , Institute of Biomedical Sciences, Academia Sinica, Taiwan
Oct. 2017	Selected talk , NHLBI Bench to Bassinet Program Annual Face-To-Face Conference, Rockville, MD
Dec. 2016	Selected talk , NHLBI Bench to Bassinet Program Annual Face-To-Face Conference, Rockville, MD
Feb. 2016	Invited talk , Institute of Biomedical Sciences, Academia Sinica, Taiwan
July 2014	Selected talk , Alzheimer's Association International Conference, Copenhagen, Denmark
July 2012	Selected talk , Alzheimer's Association International Conference, Vancouver, Canada

TEACHING AND MENTORING

Sept. 2014-Present	I trained and helped supervise 4 graduate students, 5 medical students, and 2 postdoctoral fellows in the Lifton lab to conduct research projects, perform whole exome/genome sequencing genomic analyses, downstream statistical algorithms, and mentored them on writing proposals and career development.
Sept. 2011–Feb 2012	Teaching Assistant , Washington University in St. Louis <ul style="list-style-type: none"> Presented lectures; assisted in quiz and exam preparation for a graduate course "Human Linkage and Association"
Sept. 2007–May 2008	Teaching Assistant , Johns Hopkins University <ul style="list-style-type: none"> Presented lectures; assisted in quiz and exam preparation for a graduate course "Statistical Methods in Public Health"

PROFESSIONAL SERVICE

2013-Present	Ad hoc reviewer for <i>BMC Neurology</i> , <i>Journal of Alzheimer's Disease</i> , <i>Molecular Neurodegeneration</i> , <i>Alzheimer's & Dementia</i> , <i>European Heart Journal</i>
2013-Present	Review editor for <i>Frontiers in Genetics</i> , section <i>Neurogenomic</i>