Curriculum Vitae WUSM Format Sheng Chih Jin, Ph.D.

Date: 08/16/2022

Name Jin, Sheng Chih

Address, Telephone and email:

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Present Position:

April 2020 - Present, Assistant Professor of Genetics and Pediatrics

Education:

National Chiao Tung University, Hsinchu, Taiwan, 2000 – 2004 B.S., Applied Mathematics

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA, 2006 – 2008 ScM, Biostatistics

Washington University School of Medicine, St. Louis, MO, USA, 2010 – 2014 Ph.D., Human & Statistical Genetics (Advisors: Alison Goate and Carlos Cruchaga)

Yale School of Medicine, New Haven, CT, USA, 2014 – 2018 Postdoctoral Fellow (Advisors: Richard P. Lifton, Martina Brueckner, and Hongyu Zhao)

Rockefeller University, New York, NY, USA, 2018 – 2020 Postdoctoral Fellow (Advisors: Richard P. Lifton, Martina Brueckner, and Hongyu Zhao)

Academic Positions / Employment:

2020 – Assistant Professor of Genetics and Pediatrics Washington University School of Medicine

Honors and Awards:

2007	Cancer Research Training Award, Biostatistics Branch, Division of Cancer Epidemiology & Genetics, National Cancer Institute, NIH
2007	Departmental Scholarship, Department of Biostatistics, Johns Hopkins
2007	University
2011	Lucille P. Markey Special Emphasis Pathway in Human Pathobiology Fellowship, Markey Foundation, Washington University School of Medicine
2012	Alzheimer's Disease International Conference Travel Fellowship,
	Alzheimer's Association
2012	Best Oral Presentation Award, Human and Statistical Genetics Program
	2012 Retreat
2014	Finalist, Fourth Annual Hope Center Retreat Poster Session, Hope Center
	for Neurological Disorders, Washington University School of Medicine
2014	Howard Hughes Medical Institute Postdoctoral Fellowship, Department of Genetics, Yale University School of Medicine
2015	James Hudson Brown – Alexander Brown Coxe Postdoctoral Fellowship
2013	in the Medical Sciences, Yale University School of Medicine
2018	American Heart Association Postdoctoral Fellowship
2019	NIH/NHLBI K99/R00 Pathway to Independence Award
2019	Postdoctoral Association Career Development Award, Rockefeller
	University
2020	Rockefeller University Nominee, Blavatnik Regional Award for Young
	Scientists
2021	Children's Discovery Institute Faculty Scholar, St. Louis Children's
	Hospital
2021	Hydrocephalus Association Innovator Award

Editorial Responsibilities:

- 2013 Ad hoc reviewer for Genome Research, European Heart Journal, npj Genomic Medicine, Brain, Molecular Neurodegeneration, BMC Neurology, Journal of Alzheimer's Disease, Alzheimer's & Dementia, Genes, Journal of Medical Genetics, Biomolecules, STAR Protocols, Journal of Personalized Medicine
- 2013 Review editor for Frontiers in Genetics, Neurogenomics Section

National Panels, Committees, Boards:

N/A

Community Service Contributions:

• University Appointments and Committees

2020 - DBBS Admissions Committee B, Washington University School of Medicine

• Professional Societies and Organizations

- 2011 American Society of Human Genetics (Member)
- 2015 American Heart Association (Member)

Major Invited Professorships and Lectureships:

abstract), Vancouver, Canada 2014 Alzheimer's Association International Conference (from submitted abstract), Copenhagen, Denmark 2016 Institute of Biomedical Sciences, Academia Sinica, Taiwan NHLBI Bench to Bassinet Program Annual Face-to-Face Meeting, Rockville, MD	
 Institute of Biomedical Sciences, Academia Sinica, Taiwan NHLBI Bench to Bassinet Program Annual Face-to-Face Meeting, 	
NHLBI Bench to Bassinet Program Annual Face-to-Face Meeting,	l
RUCKVIIIC, MD	l
2017 Institute of Biomedical Sciences, Academia Sinica, Taiwan	l
International Cerebral Palsy Genomics Consortium Conference (invited keynote presentation), Zhengzhou, China	
Department of Genetics, Washington University School of Medicine	
Eugene McDermott Center for Human Growth and Development,	
University of Texas Southwestern Medical Center	
2018 Institute for Genomic Medicine, Nationwide Children's Hospital	
National Taiwan University College of Medical Institute of Medical	
Genomics and Proteomics	
2019 Waisman Center, University of Wisconsin – Madison	
2019 Mindich Child Health and Development Institute, Icahn School of	
Medicine at Mount Sinai	
International Cerebral Palsy Genomics Consortium Conference (invited presentation), Anaheim, CA	l
American Society of Human Genetics (from submitted abstract), Virtua	l
Meeting	
Mount Sinai x Open Box Science Computational Omics Seminar	
2021 Washington University School of Medicine, Pediatric Neurology Resear	ch
Working Group	
Washington University School of Medicine, Division of Genetics and	
Genomic Medicine	
Boston Taiwanese Biotechnology Association Monthly Seminar Series	
2021 Washington University Department of Developmental Biology Seminar	
Series	
Washington University Department of Computer Science & Engineering Colloquia Series	3
2022 Washington University MSTP Future of Medicine Seminar	

Consulting Relationships and Board Memberships:

N/A

Internal Review Work

Ad hoc reviewer for the Clinical and Translational Research Funding Program, Washington University Institute of Clinical and Translational Sciences
 Ad hoc reviewer for the NGI Pilot Awards, Washington University NeuroGenomics and Informatics Center
 Ad hoc reviewer for the Clinical and Translational Research Funding Program, Washington University Institute of Clinical and Translational Sciences

External Review Work

2022 Hydrocephalus Association Innovator Award Grant Reviewer

Governmental

Title: Integrative Genomic Analysis of Congenital Heart Disease

Agency: NIH/NHLBI 4R00HL143036-02

Role: Principal Investigator

Duration: 04/01/2020 - 03/31/2023

Amount: \$249,005/year

Title: Human Genetics and Molecular Mechanisms of Congenital Hydrocephalus

Agency: NIH/NINDS 1R01NS1111029-01A1

Role: Co-Investigator

Duration: 04/01/2020 - 01/31/2025

Amount: \$41,678 (Year 3)

Title: Human Genetics and Molecular Mechanisms of Vein of Galen Malformation

Agency: NIH/NINDS 1R01NS117609-01

Role: Co-Investigator (Subaward to Yale University)

Duration: 07/01/2020 - 06/30/2024

Amount: \$11,907 (Year 3)

Title: Genetic Risk Factors for Severe Scoliosis Agency: NIH/NIAMS 2R01AR067715-06A1

Role: Co-Investigator

Duration: 07/01/2020 - 06/30/2024

Amount: \$10,966 (Year 3)

Non-Governmental

Title: Discovery of novel genetic variations in cerebral palsy by whole genome

sequencing

Agency: Cerebral Palsy Alliance Research Foundation

Role: Principal Investigator

Duration: 06/01/2022 - 05/31/2027

Amount: \$225,000

Title: A Genome-Wide Assessment of Noncoding Risk Variants in Congenital

Hydrocephalus

Agency: Hydrocephalus Association

Role: Principal Investigator

Duration: 12/31/2021 - 12/30/2022

Amount: \$50,000

Title: Human Genetics and Molecular Mechanisms of Cerebral Palsy Agency: Children's Discovery Institute - St. Louis Children's Hospital

Role: Principal Investigator

Duration: 10/01/2021 - 09/30/2026

Amount: \$300,000

Title: Long-Read Genome Sequencing and Integrative Genomic Analysis for Cerebral

Palsy

Agency: CTRFP - Washington University Institute of Clinical and Translational Sciences

Role: Principal Investigator

Duration: 03/01/2021 - 02/28/2022

Amount: \$50,000

Title: Functional characterization of the Diaph1 gene using the zebrafish knock

model

Agency: Children's Discovery Institute - St. Louis Children's Hospital

Role: Principal Investigator

Duration: 02/05/2021 - 06/30/2023 (No cost extension)

Amount: \$10,000

Undergraduate Mentoring:

Trainee	Period	Project Title	Support	Current Position
Joshipura, Kareena	6/2021 - 8/2021	Human genetics of cerebral palsy	Mount Holyoke College's Lynk Fellowship	BS Student Mount Holyoke College

Wrubel, Max	11/2021	Human genetics of	Post-Baccalaureate	Pending
	_	cerebral palsy	Extensive Study	
	7/2022		Program	
Marcial-	6/2022	Human genetics of	MGI OGR Summer	BS Student
Rodriguez,	_	congenital	Undergraduate	St. Olaf
Athziri	8/2022	hydrocephalus	Scholars Program	College
Shelton, Cabria	6/2022	Human genetics of	MGI OGR Summer	BS Student
	_	patent ductus	Undergraduate	Rhodes
	8/2022	arteriosus	Scholars Program	College

Graduate Mentoring:

Trainee	Period	Project Title	Support	Current Position
Zhao, Shujuan	9/2020	Human genetics of Vein of Galen	R01NS117609 + R00HL143036	PhD Candidate
Julie, Choi	4/2022	Malformation Human genetics of		WUSTL PhD
,,	-	peripheral neuropathy		Candidate WUSTL
Nahyun, Kong	4/2022	Human genetics of rare movement disorders		PhD Student WUSTL
Peters, Samuel	5/2020 - 4/2021	Human genetics of primary Moyamoya disease	4R00HL143036-02	MS Student SLU
King, Spencer	5/2020 - 5/2021	Human genetics of cerebral palsy	4R00HL143036-02	Data Scientist at Geneoscopy
Yu, Xiaobing	2/2021 - 11/2021	Single-cell RNA- sequencing analysis for rare neurological disorders	4R00HL143036-02	MS Student WUSTL
Shaffiey, Shohaib	2/2021 - 5/2021	Whole genome sequencing analysis for rare neurological disorders	4R00HL143036-02	MS Student WUSTL

Postgraduate Mentoring:

Trainee	Period	Project Title	Support	Current
				Position

Wang, Yung-Chun	6/2021	Human genetics of	4R00HL143036-	Postdoctoral
	-	cerebral palsy	02	Fellow

Fellowships/Scholarships/Grants to Postdocs/Students:

Lucille P. Markey Special Emphasis Pathway in Human Pathobiology Fellowship

Agency: Washington University School of Medicine

Postdoc(s)/Student(s): Shujuan Zhao

Role: Sponsor

Duration: 08/2022 - 08/2024

Amount: \$4,000 (one-time stipend supplement)

Precision Medicine Pathway

Agency: Washington University School of Medicine

Postdoc(s)/Student(s): Julie Choi

Role: Sponsor

Duration: 08/2022 - 08/2024

Amount: \$0

Precision Medicine Pathway

Agency: Washington University School of Medicine

Postdoc(s)/Student(s): Nahyun Kong

Role: Sponsor

Duration: 08/2022 - 08/2024

Amount: \$0

Scholarships to attend Jackson Laboratory's Human and Mammalian Genetics and

Genomics: The McKusick Short Course

Agency: Jackson Laboratory

Postdoc(s)/Student(s): Shujuan Zhao

Role: Sponsor Duration: 07/2022 Amount: \$900

Scholarships to attend Jackson Laboratory's Human and Mammalian Genetics and

Genomics: The McKusick Short Course

Agency: Jackson Laboratory

Postdoc(s)/Student(s): Max Wrubel

Role: Sponsor Duration: 07/2022 Amount: \$1,800

Center of Regenerative Medicine Postdoctoral Fellowship

Title: Human genomics and molecular mechanisms of Sporadic Moyamoya disease

Agency: Washington University Center of Regenerative Medicine

Postdoc(s)/Student(s): Yung-Chun (David) Wang

Role: Sponsor

Duration: 07/01/2021

Amount: \$10,000 (signing bonus)

NIH TL1 Predoctoral Clinical Research Training Fellowship (Declined)

Title: Integrative Genomic Analysis of Cerebral Palsy and Rare Pediatric Movement

Disorders

Agency: Washington University Clinical Research Training Center

Postdoc(s)/Student(s): Amar Sheth

Role: Sponsor

Duration: 06/01/2021 - 05/31/2022

Amount: \$2,110/month

Thesis Committee Advisees:

Ciyang Wang DBBS Molecular Genetics and Genomics Chengran Yang DBBS Human and Statistical Genetics

Tong Wu Biomedical Engineering

Qualifying Exam Committee:

Ji-Sun Kwon DBBS Computational and Systems Biology Evelyn Craigen DBBS Molecular Genetics and Genomics (Chair)

Dan Western DBBS Human and Statistical Genetics Kuangying Yang DBBS Human and Statistical Genetics

Patents:

N/A

Teaching Responsibilities:

2021 – Lecturer, Bio5488: Genomics, Washington University School of Medicine

2021 – Study Section Co-Leader, Bio5491: Advanced Genetics, Washington

University School of Medicine

Bibliography:

- Peer Reviewed Manuscripts (* Equal contribution; # Co-corresponding; Lab members in bold)
- 1. 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.
- 2. 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.
- 3. 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.
- 4. **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.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. 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.
- 9. 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.
- 10. 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.
- 11. **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.
- 12. 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, Kamboh 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.
- 13. **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.
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- 15. 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.

- 16. 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.
- 17. Duran D*, **Jin SC***, DeSpenza 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.
- 18. **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, Tikhonoa 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.
- 19. 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.
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- 21. 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*, 4(3):a002766.
- 22. 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*, 4(4):a002998.
- 23. Furey CG*, Choi J*, **Jin SC**, Zeng X, Timberlake AT, Nelson-Williams C, Mansuri MS, Lu Q, Duran D, Panchagnula S, Alloco 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*, 99(2):302-314.e4.

- 24. 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*, 119:441-443.
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- 26. 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 (2019). *Neuron*, 101(3):429-443.e4.
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Book Chapters

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Spotlight

1. Duy PQ, Rakic P, Alper SL, Butler WE, Walsh CA, Sestan N, Geschwind DH, **Jin SC**, Kahle KT. Brain ventricles as windows into brain development and disease (2022). *Neuron*. 110(1):12-15.