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

Date: 4/29/2024

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 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 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
2022	Pediatric Cardiac Genomics Consortium and Cardiovascular Development Data Resource Center Challenge Prize

Editorial Responsibilities:

2013 –	**Ad Hoc Reviewer**, Journal of the American College of Cardiology, Trends in Genetics, Genome Research, European Heart Journal, npj Genomic Medicine, Brain, Molecular Neurodegeneration, Genomics, Proteomics and Bioinformatics, Human Genetics, 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**, Frontiers in Genetics, Neurogenomics Section

National Panels, Committees, Boards:

N/A

Community Service Contributions:

- **University Appointments and Committees**

  2020 – **Member**, DBBS Admissions Committee B, Washington University School of Medicine
  2023 – **Co-coordinator**, Hope Center Monday Noon Seminars

- **Professional Societies and Organizations**

  2011 – **Member**, American Society of Human Genetics
  2015 – **Member**, American Heart Association
  2023 **Planning Committee**, Hydrocephalus Association & Rudi Schulte Research Institute Research Workshop
  2024 – **Member**, American Society of Human Genetics Digital Learning Committee
  2024 **Abstract Reviewer**, American Society of Human Genetics Meeting 2024 in Denver, Colorado

Major Invited Professorships and Lectureships:

- **Regional**

  2017 "Genomics Approaches to Understand the Genetic Architecture of Congenital Heart Disease and Neurodevelopmental Disorders" / Genetic Department Seminar Series / Invited Speaker/ Washington University in St. Louis, St. Louis, MO
  2021 "Genes and Mechanisms of Cerebral Palsy and Other Pediatric Movement Disorders" / Pediatric Neurology Research Working Group / Invited Speaker / Washington University in St. Louis, St. Louis, MO
  2021 "Genes and Mechanisms of Cerebral Palsy and Other Pediatric Movement Disorders" / Genetics and Genomic Medicine Case Conference/ Invited Speaker / Washington University in St. Louis, St. Louis, MO
  2021 "Human Genetics and Molecular Mechanisms of Congenital Hydrocephalus" / Department of Developmental Biology Seminar Series / Invited Speaker / Washington University in St. Louis, St. Louis, MO
  2021 "Computational Genomics for Congenital Disorder Research" / Department of Computer Science & Engineering Colloquia Series / Invited Speaker / Washington University in St. Louis, St. Louis, MO
  2022 "Adventures in Computational Functional Genomics"/ MSTP Future of Medicine Seminar / Invited Speaker / Washington University in St. Louis, St. Louis, MO
  2022 "Genes and Mechanisms of Cerebral Palsy and Other Pediatric Movement Disorders" / 2022 Department of Genetics Retreat / Invited Speaker / Washington University in St. Louis, St. Louis, MO

2022 "Molecular Genetics and Complex Inheritance of Congenital Heart Disease" / Center for Cardiovascular Research Seminar Series / Invited Speaker / Washington University in St. Louis, St. Louis, MO

2023 "Human Genetics and Functional Genomics of Rare Diseases" / Intellectual and Developmental Disabilities Research Center Inaugural Symposium / Invited Speaker / Washington University in St. Louis, St. Louis, MO

2024 "Unraveling the Mechanism Underlying Congenital Hydrocephalus through Multi-omics and Stem Cell Models" / Center of Regenerative Medicine Faculty Retreat / Invited Speaker / Washington University in St. Louis, St. Louis, MO

- **National**

2017 "Expanded Whole Exome Sequencing Cohort Reveals Additional Novel CHD genes" / NHLBI Bench to Bassinet Program Annual Face-to-Face Meeting / Selected Oral Presentation / Rockville, MD

2018 "Genomics Approaches to Understand the Genetic Architecture of Congenital Heart Disease and Neurodevelopmental Disorders" / Eugene McDermott Center for Human Growth and Development Department Seminar Series / Invited Speaker **/** University of Texas Southwestern Medical Center, Dallas, TX

2018 "Genomics Approaches to Understand the Genetic Architecture of Congenital Heart Disease and Neurodevelopmental Disorders" / Institute for Genomic Medicine Seminar Series / Invited Speaker**/** Nationwide Children's Hospital, Columbus, Ohio

2019 "Genomics Approaches to Understand the Genetic Architecture of Congenital Heart Disease and Neurodevelopmental Disorders" / Waisman Center Seminar Series / Invited Speaker/ University of Wisconsin – Madison, Madison, WI

2019 "Genomics Approaches to Understand the Genetic Architecture of Congenital Heart Disease and Neurodevelopmental Disorders" / Mindich Child Health and Development Institute Seminar Series / Invited Speaker/ Icahn School of Medicine at Mount Sinai, New York, NY

2020 "Exome Sequencing Implicates Genetic Disruption of Prenatal Neuro-gliogenesis in Sporadic Congenital Hydrocephalus" / 2020 American Society of Human Genetics, Virtual Meeting / Selected Oral Presentation / Virtual

2021 "Genes and Mechanisms of Cerebral Palsy and Other Pediatric Movement Disorders" / Boston Taiwanese Biotechnology Association Monthly Seminar Series / Invited Speaker / Boston Taiwanese Biotechnology Association / Virtual

2022 "Integrated analysis of genome sequencing, exome sequencing, and transcriptome profiling in congenital hydrocephalus" / Hydrocephalus Association Network for Discovery Science Webinar Series / Invited Speaker / Virtual

2023 "Molecular Genetics and Complex Inheritance of Congenital Hydrocephalus" / Hydrocephalus Association & Rudi Schulte Research Institute Research Workshop / Invited Speaker / Dallas, TX

2023 "Discovery of Uniparental Disomy in 3,694 Congenital Heart Disease Trios" / NHLBI Bench to Bassinet Research Program Annual Face-To-Face Conference / Invited Speaker / Arlington, VA

- **International**

2012 "Deep Resequencing of GWAS Loci Associated with Alzheimer's Disease" / 2012 Alzheimer's Association International Conference / Selected Oral Presentation/ Vancouver, Canada

2014 "Novel Coding Variants in *TREM2* Increase Risk for Alzheimer's Disease" / 2014 Alzheimer's Association International Conference / Selected Oral Presentation/ Copenhagen, Denmark

2016 "Unraveling the Genetic Basis of Congenital Heart Disease" / Institute of Biomedical Sciences Seminar Series / Invited Talk / Academia Sinica, Taiwan

2017 "Integrated Genomics Characterization of Complex Inheritance in Congenital Heart Disease" / Institute of Biomedical Sciences Seminar Series / Invited Talk / Academia Sinica, Taiwan

2018 "Mutations in GTPase Signal Transduction Genes in Cerebral Palsy" / 2nd International Cerebral Palsy Genomics Consortium Conference / Invited Keynote Presentation / Zhengzhou, China

2018 "Integrated Genomics Characterization of Complex Inheritance in Congenital Heart Disease" / Institute of Medical Genomics and Proteomics Seminar Series / Invited Talk / National Taiwan University College of Medical, Taiwan

2019 "A Major Role for Genes that Control Developmental Neuritogenesis in Cerebral Palsy" / 3rd International Cerebral Palsy Genomics Consortium Conference / Invited Talk /Anaheim, CA

Consulting Relationships and Board Memberships:

N/A

Internal Review Work

2021 **Ad Hoc Reviewer**, Clinical and Translational Research Funding Program, Washington University Institute of Clinical and Translational Sciences

2022 **Ad Hoc Reviewer**, NGI Pilot Awards, Washington University NeuroGenomics and Informatics Center

2022 **Ad Hoc Reviewer**, Clinical and Translational Research Funding Program, Washington University Institute of Clinical and Translational Sciences

External Review Work

2022 **Grant Reviewer**, Hydrocephalus Association Innovator Award
2023 **Ad Hoc Reviewer**, NIH, Cardiovascular and Respiratory Diseases (CRD) Study Section
2023 **Grant Reviewer**, Hydrocephalus Association Innovator Award
2023 **Grant Reviewer**, Sidra Medicine Precision Medicine Challenge Award (IRF 24)
2023 **Ad Hoc Reviewer**, NIH ZMH1 ERB-S (02) S - Data Analysis and Coordination Center for the PsychENCODE Consortium (U24)
2024 **Ad Hoc Reviewer**, NIH, Genetics of Health and Diseases (GHD) Study Section
2024 **Ad Hoc Reviewer**, NIH, Cardiovascular and Respiratory Diseases (CRD) Study Section

Research Support

- **Governmental**

Title: WashU Somatic Mosaicism across Human Tissues (SMaHT) Program. Organizational Center
Agency: NIH U24NS132103
Role: Co-Investigator
Duration: 4/15/2023–03/31/2028
Amount: $7,470,939 total costs

Title: WashU-VAI Somatic Mosaicism across Human Tissues (SMaHT) Program. Genome Characterization Center
Agency: NIH UM1DA058219
Role: Co-Investigator
Duration: 5/01/2023–04/30/2028
Amount: $1,499,999 total costs

Title: INTERCEPT: Integrated Research Center for Human Pain Tissues
Agency: NIH/NINDS U19NS130607
Role: Co Principal Investigator (Project 1: Milbrandt/DiAntonio/Jin)
Duration: 12/01/2022–11/30/2027
Amount: $3,644,291 Project 1 total costs

Title: INTERCEPT: Integrated Research Center for Human Pain Tissues
Agency: NIH/NINDS U19NS130607
Role: Co Principal Investigator (Data Core: Jin/Zhao)
Duration: 12/01/2022–11/30/2027
Amount: $694,321 Data Core total costs

Title: Genomic analysis of the Multiplex, Autozygous Populations in Cerebral Palsy (MAP CP) cohort: a focused approach to a complex disease
Agency: NIH/NINDS R01NS127108

Role: Co-Investigator
Duration: 02/01/2023–01/31/2028
Amount: $421,321 total costs

Title: Human Genetics and Molecular Mechanisms of Congenital Hydrocephalus
Agency: NIH/NINDS 1R01NS1111029
Role: Co-Investigator
Duration: 04/01/2020 – 01/31/2025
Amount: $199,706 total sub costs

Title: Human Genetics and Molecular Mechanisms of Vein of Galen Malformation
Agency: NIH/NINDS 1R01NS117609
Role: Co-Investigator (Subaward to Yale University)
Duration: 07/01/2020 – 06/30/2024
Amount: $172,000 total sub costs

Title: Genetic Risk Factors for Severe Scoliosis
Agency: NIH/NIAMS 2R01AR067715
Role: Co-Investigator
Duration: 07/01/2020 – 06/30/2024
Amount: $3,248,850 total costs (Salary Support only)

Title: Genomic Insights into the Neurobiology of Cerebral Palsy
Agency: NIH/NINDS 5R01NS106298
Role: Co-Investigator
Duration: 04/01/2019 – 12/31/2023
Amount: $19,770 total sub costs
Title: Integrative Genomic Analysis of Congenital Heart Disease
Agency: NIH/NHLBI 4R00HL143036
Role: Principal Investigator
Duration: 04/01/2020 – 03/31/2023
Amount: $730,167 total costs

- **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

- **Pending**

Title: Molecular and cellular characterization of congenital hydrocephalus
Agency: NIH/NINDS 1R01NS131610A
Role: Principal Investigator
Duration: 04/01/2024 – 03/30/2029
Percentile: 9%

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 – 7/2022	Human genetics of cerebral palsy	Post-Baccalaureate Extensive Study Program	Bioinformatician Mount Sinai

Marcial-Rodriguez, Athziri	6/2022 – 8/2022	Human genetics of congenital hydrocephalus	MGI OGR Summer Undergraduate Scholars Program	BS Student St. Olaf College
Shelton, Cabria	6/2022 – 8/2022	Human genetics of patent ductus arteriosus	MGI OGR Summer Undergraduate Scholars Program	BS Student Rhodes College
Ruttenberg, Andrew	8/2022 – 8/2023	Role of structural variation in rare pediatric movement disorders		Research Technician II WUSTL
Iyiyol, Tugce	8/2022 –	Role of transposable elements in rare pediatric movement disorders		BS Student WUSTL
Brian Yu	1/2024 –	Human genetics of idiopathic peripheral neuropathy	WashU BioSURF	BS Student WUSTL

Graduate Mentoring:

Trainee	Period	Project Title	Support	Current Position
Zhao, Shujuan (joint with Kris Kahle at MGH)	9/2020 –	Human genetics of Vein of Galen Malformation	R01NS117609 + R00HL143036 + Markey Pathway	PhD Candidate WUSTL
Kong, Nahyun	4/2022 –	Human genetics of rare movement disorders	SMaHT UM1 + Study Abroad Scholarships from the Mogam Science Scholarship Foundation	PhD Candidate WUSTL
Choi, Julie (joint with Jeffrey Milbrandt)	4/2022 –	Human genetics of peripheral neuropathy	WashU T32GATP	PhD Candidate WUSTL
Dong, Wendy (joint with Jeffrey Milbrandt)	3/2023 –	Functional genetics of peripheral neuropathy	WashU T32 GATP	MSTP Candidate WUSTL
Tang, Zitian	5/2023 –	Impact of repeat expansion in peripheral neuropathy	SMaHT UM1	PhD Candidate WUSTL

Ulibarri, Jenna	7/2023 –	Proteogenomics in peripheral neuropathy	WashU T32CMB and NIH IMSD (R25GM103757)	PhD Student WUSTL
Purva Patel	4/ 2024 –	Human genetics of late-onset Alzheimer's		PhD Student WUSTL
Emma Casey	5/2024 –	Human genetics of idiopathic peripheral neuropathy		PhD Student WUSTL
Peters, Samuel	5/2020 – 4/2021	Human genetics of primary Moyamoya disease	R00HL143036	MS Student SLU
King, Spencer	5/2020 – 5/2021	Human genetics of cerebral palsy	R00HL143036	Data Scientist Geneoscopy
Yu, Xiaobing	2/2021 – 11/2021	Single-cell RNA-sequencing analysis for rare neurological disorders	R00HL143036	PhD Student WUSTL
Shaffiey, Shohaib	2/2021 – 5/2021	Whole genome sequencing analysis for rare neurological disorders	R00HL143036	MS Student WUSTL

Postgraduate Mentoring:

Trainee	Period	Project Title	Support	Current Position
Wang, Yung-Chun	6/2021 –	Human genetics of cerebral palsy	R00HL143036 + R01NS127108	Postdoctoral Fellow

Fellowships/Scholarships/Grants to Postdocs/Students:

Annual Hope Center Retreat Poster Award
Agency: Arts & Sciences at Washington University in St. Louis
Postdoc(s)/Student(s): Julie Choi
Role: Sponsor
Duration: 4/2024
Amount: $1,000 (one-time allowance)

Washington University Summer Undergraduate Research Fellowship Program
Agency: Arts & Sciences at Washington University in St. Louis

Postdoc(s)/Student(s): Brian Yu
Role: Sponsor
Duration: 5/2024 – 08/2024
Amount: $2,500

Washington University's T32 Cellular & Molecular Biology Training Program
Agency: Washington University School of Medicine
Postdoc(s)/Student(s): Jenna Ulibarri
Role: Sponsor
Duration: 11/2023 – 08/2024
Amount: $27,144/year

Scholarships to attend Cold Spring Harbor Laboratory's Scientific Writing Retreat
Agency: Cold Spring Harbor Laboratory
Postdoc(s)/Student(s): Yung-Chun Wang
Role: Sponsor
Duration: 10/2023
Amount: $500

Washington University's T32 Genome Analysis Training Program
Agency: Washington University School of Medicine
Postdoc(s)/Student(s): Wendy Dong
Role: Co-sponsor
Duration: 09/2023 – 08/2024
Amount: $34,500/year

Precision Medicine Pathway
Agency: Washington University School of Medicine
Postdoc(s)/Student(s): Zitian Tang
Role: Sponsor
Duration: 08/2023 – 08/2025
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): Zitian Tang
Role: Sponsor
Duration: 07/2023
Amount: $500

Study Abroad Scholarships
Agency: Mogam Science Scholarship Foundation
Postdoc(s)/Student(s): Nahyun Kong
Role: Sponsor
Duration: 1/2023

Amount: $10,000 (one-time allowance)

Washington University's T32 Genome Analysis Training Program
Agency: Washington University School of Medicine
Postdoc(s)/Student(s): Julie Choi
Role: Co-sponsor
Duration: 10/2022 – 09/2024
Amount: $34,500/year

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
Caitlin Dingwall	WashU MSTP
Kuangying Yang	DBBS Human and Statistical Genetics
Gervette Penny	DBBS Molecular Genetics and Genomics

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
Grace Cooper	DBBS Human and Statistical Genetics (Chair)
Paul Lee	WashU MSTP (Chair)
Juanru Guo	DBBS Computational and Systems Biology
Mariam Khanfar	DBBS Human and Statistical Genetics (Chair)
Chia-Jung Lee	DBBS Computational and Systems Biology
Chien-Wei Peng	DBBS Human and Statistical Genetics
Arnold Federico	DBBS Molecular Genetics and Genomics

Patents:

N/A

Teaching Responsibilities:

2021 – 2022 Lecturer, Bio5488: Genomics, Washington University School of Medicine
2021 – 2022 Study Section Co-Leader, Bio5491: Advanced Genetics, Washington University School of Medicine
2022 – Lecturer, Bio5487: Genetics & Genomics of Disease, Washington University School of Medicine
2022 – Co-director, Bio5488: Genomics, Washington University School of Medicine
2023 – Immersion Program Co-Leader, Washington University School of Medicine
2023 – Lecturer, Bio5285: Current Topics in Human and Mammalian 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. Genome-wide and candidate gene association study of cigarette smoking behavior. ***PLoS ONE***, 2009;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. A genome-wide association study of cleft lip with and without cleft palate identifies risk variants near MAFB and ABCA4. ***Nature Genetics***, 2010 Jun;42(6):525-9.
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. Evidence for gene-environment interaction in a genome wide study of isolated, nonsyndromic cleft palate. ***Genetic Epidemiology***, 2011 Sep;35(6):469-78
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. 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.*** 2012 Aug 20;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. The FGF&FGFR gene family and risk of cleft lip with or without cleft palate. ***The Cleft Palate-Craniofacial Journal***, 2013 Jan;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. X-linked Markers in the Duchenne Muscular Dystrophy Gene Associated with Oral Clefts. ***European Journal of Oral Sciences***, 2013 Apr;121(2):63-8.
7. Benitez BA, Cooper B, Pastor P, **Jin SC**, Lorenzo E, Cervantes S, Cruchaga C. TERM2 is associated with the risk of Alzheimer's disease in Spanish population. ***Neurobiology of Aging***, 2013 Jun;34(6):1711.e15-7.
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. The PSEN1, p.E318G variant increases the risk of Alzheimer's disease in APOE-ε4 carriers. ***PLoS Genetics***, 2013;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. GWAS of cerebrospinal fluid tau levels identifies risk variants for Alzheimer's disease. ***Neuron***, 2013 Apr 24;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. Missense variants in *TREML2* protects against Alzheimer's disease. ***Neurobiology of Aging***, 2014 Jun;35(6): 1510.e19-1510.e26.
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- **Book Chapters**

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- **Spotlight**

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