10/1/25

# *CURRICULUM VITAE*

**NAME:** Chloé Sarnowski, Ph.D.

**PRESENT TITLE:** Assistant Professor
Department of Epidemiology
The University of Texas Health Science Center at Houston
School of Public Health

**WORK ADRESS:** RAS E535
1200 Pressler St
Houston, TX 77030

**CITIZENSHIP:** FRANCE

**UNDERGRADUATE EDUCATION:** Evry Val d'Essonne University, Evry, France
October 2008 – June 2009
Degree: Bachelor of Science

**GRADUATE EDUCATION:** Evry Val d'Essonne University, Evry, France
October 2009 – June 2011
Degree: Master of Science, Genomics and Statistical Genetics

UMR946, Inserm - Paris Diderot University, Paris, France
October 2011 – December 2015
Degree: Doctorate of Philosophy, Statistical Genetics
Thesis: "Association studies considering complex mechanisms: application to asthma"

**POSTGRADUATE TRAINING:** Department of Biostatistics
Boston University School of Public Health
February 2016 – November 2019

**ACADEMIC APPOINTMENTS:** February 2016 – November 2019
Postdoctoral Associate
Mentor: Dr. Josée Dupuis
Department of Biostatistics
Boston University School of Public Health
Boston, MA

December 2019 – December 2020
Instructor
Department of Biostatistics
Boston University School of Public Health
Boston, MA

January 2021 – November 2022
Faculty Associate
Department of Epidemiology, Human Genetics & Environmental Sciences, School of Public Health

The University of Texas Health Science Center
Houston, Texas

December 2022 – Present
Assistant Professor
Department of Epidemiology
The University of Texas Health Science Center
Houston, Texas

**PROFESSIONAL ORGANIZATIONS:**

International Genetic Epidemiology Society (IGES)
American Society of Human Genetics (ASHG)

**HONORS AND AWARDS:**

Best abstract from a young investigator
Assembly 6 "Occupation and Epidemiology Assembly"
The European Respiratory Society (London, 03-07 Sept 2016)

Oral presentation and financial price
The Genome Science Institute Research Symposium (Boston, 16 Nov 2016)

Travel award
The Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium conference (New York, March 23-24, 2017)

Travel award
The Alzheimer's Association Internal Conference (AAIC) (London, 16-20 July 2017)

Finalist of the James V. Neel Award at the International Genetic Epidemiology Society (IGES) conference (Cambridge, 09-11 Sept 2017)

Best poster and financial price
The Genome Science Institute Research Symposium (Boston, 15 Nov 2018)

Tiger Award for the contribution to the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium (CHARGE conference, St Louis, 27-28 June 2019)

Travel award
The Alzheimer's Association Internal Conference (AAIC) (Los Angeles, 14-18 July 2019)

Travel award
The Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium conference (Houston, January 30-31, 2020)

Finalist of the Robert C Elston Best Paper Award at the International Genetic Epidemiology Society (IGES) conference (Paris, Sept 07-09 2022)

Travel award
The Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium conference (Boston, May 09-11, 2023)

Travel award
The Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium conference (San Antonio, Oct 10-12, 2023)

Travel award
The Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium conference (Durham, December 2-4, 2025)

**SERVICE – THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON:**

Member of the Human Genetic Center faculty search committee
Member of the Advising & Mentoring subcommittee for PhD students
Faculty Judge for SPH Research Day 2025

**EXTERNAL SERVICE:**

A. Service on National Grant Review Panels, Study Sections, Committees

1. Early Career Reviewer (ECR) in the Kidney, Endocrine, and Digestive Disorders (KEDD) NIH study section (Feb 2023)
2. Reviewer for grant application for the Wellcome Trust for Discovery award (July 2023)

B. Journal Reviewer

1. Reviewer in 2024/2025 for: *Alzheimer's & Dementia, Clinical Epigenetics, Respiratory Research, Communications Biology, Epigenomics, Plos Genetics, Circulation: Genomic and Precision Medicine*
2. Reviewer in 2023/2024 for: *Diabetes Care, Clinical Epigenetics, Alzheimer's & Dementia, Respiratory Research*
3. Reviewer in 2022/2023 for: *Diabetes Care, Diabetes, Molecular Genetics and Genomics Medicine, Clinical Epigenetics*
4. Reviewer in 2021/2022 for: *Diabetes Care, American Journal of Human Genetics, Nature Communications, Genetic Epidemiology, Journal of Clinical Medicine, Journal of Gerontology:*
5. Past Reviewer for *PLOS Genetics, Annals of Human Genetics, Scientific Reports, Human Molecular Genetics, Journal of Internal Medicine, Alzheimer's & Dementia, Journals of the American College of Cardiology*

C. Professional Service

1. Work in genetics organizations or society:

- Elected Member of the International Genetic Epidemiology Society (IGES) Board of Directors (2024-2026)

- Member and past Elected Chair (2022-2024) of the International Genetic Epidemiology Society (IGES) Young Investigators Committee

- Co-moderator of platform session at the American Society of Human Genetics (ASHG) 2023 conference (November 01-05, Washington DC): Advancing understanding of mechanism in Alzheimer's Disease [11/02/23 10:45-12:15].

- Member of the planning committee for the TOPMed Annual Meeting (February 14-16, 2024, Bethesda, MD).

- Member of the planning committee for the TOPMed Annual Meeting (February 18-20, 2026, Bethesda, MD).

2. Consortium work:

- Research collaborator: The Trans-Omics for Precision Medicine (TOPMed) Program

- Research collaborator: The Alzheimer's Disease Sequencing Project (ADSP)

- Research collaborator: The Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium

- Co-convener of TOPMed working groups: Neurocognitive, Longevity and Healthy Aging, and Reproductive Health

**TEACHING ACTIVITIES**:

Invited Speaker
23-26 September 2016
Neurepiomics Course, Boston, MA
A practical Introduction to the analysis of sequence data with EPACTS

Teacher Assistant
January – May 2017
Introduction to statistical computing
Boston University School of Public Health

Invited Speaker
1st May 2017
Genomics workshop, Boston University
A practical Introduction to the analysis of sequence data with EPACTS

Course Co-instructor
January – May 2018
Introduction to statistical computing

Boston University School of Public Health

Instructor and Research Mentor
June – July 2018
Summer Institute for Research Education in Biostatistics
Boston University School of Public Health

Invited Speaker
17-20 September 2018
Neurepiomics Course, Bordeaux, France
A practical Introduction to the analysis of sequence data with EPACTS

Invited Speaker
18-22 October 2019
Neurepiomics Course, San Antonio, TX
A practical Introduction to the analysis of sequence data with EPACTS

Invited Speaker
11-15 October 2021
Neurepiomics Course, remote
Introduction to genomics of complex disorders: a short primer of GWAS and NGS

Course Co-instructor
January – May 2023
Quantitative Analysis for Public Health Research and Practice
The University of Texas Health Science Center

Invited Speaker
07-09 October 2023
Neurepiomics Course, San Antonio, TX
Association Analyses of Sequence Data

Course Co-instructor
January – May 2024
Quantitative Analysis for Public Health Research and Practice
The University of Texas Health Science Center

**MENTORING ACTIVITIES:**

Research Mentor
June – July 2018
Summer Institute for Research Education in Biostatistics
Boston University School of Public Health

Supervisor
Fall 2020-Oct 2022
Yixin Zhang, PhD student in Biostatistics
Boston University School of Public Health

Supervisor
May 2020-May 2023

Lincoln Shade, PhD student in Epidemiology and Biostatistics
University of Kentucky College of Medicine

Faculty Academic Advisor for MPH students in Epidemiology
Fall 2021-Present
The University of Texas Health Science Center

Supervisor
August 2022-August 2023
Jiyuan Tang, GRA
The University of Texas Health Science Center

Supervisor
March 2023-Present
Jeewoen Shin, Biostatistician
The University of Texas Health Science Center

Supervisor
January 2024-August 2024
Hari Kishan Indupuru, GRA
The University of Texas Health Science Center

Co-Supervisor
September 2024-June 2025
Zaheer Bhojani, Research Associate
The University of Texas Health Science Center

List of MPH Epidemiology Advisees:

| **Student** | **Years** | **Graduation** |
|---|---|---|
| Kameron Corrothers | Fall 2021 - | Spring 2023 |
| Joseph Dang | Fall 2021 - | Spring 2025 |
| Sydney Petty | Fall 2021 - | Spring 2024 |
| Jaafar Salim | Fall 2021 - | Spring 2023 |
| William Azadi | Fall 2022 - | Spring 2023 |
| Hyo Jeong Jeong | Fall 2022 - | Spring 2026 intended |
| Vivian Molokwu | Summer 2023 - | Spring 2024 |
| Brianna Burzynski | Fall 2023 - | Summer 2025 |
| Matthew Lee | Fall 2023 - | Spring 2025 |
| Vyoma Soni | Fall 2023 - | Spring 2025 |
| Ratnasree Vaddepalli | Fall 2023 - | Fall 2025 intended |
| Haley Lu | Spring 2024 - | Spring 2027 intended |
| Parisa Fallah | Fall 2024 - | Spring 2026 intended |
| David Palmer | Fall 2024 - | Spring 2025 |
| Maheshwari Chauhan | Fall 2024 - | |
| Thu Huynh Minh Le | Fall 2024 - | |
| Mohammed Zakir | Spring 2025 - | |
| Brissa Aranda | Fall 2025 - | |
| Casandra Argento-Bird | Fall 2025 - | |
| Diksha Ravindra Pagare | Fall 2025 - | |

**ACTIVE FUNDING RESEARCH SUPPORT:**

Agency: NIA
Type of grant: K99/R00
Title: Exploring Common Biological Pathways Underlying Insulin Resistance and Alzheimer Disease using Genetics and Omic Tools
Role: PI
Dates: 08/2022 – 07/2026 (NCE)

Agency: NHLBI
Type of grant: R01
Title: TOPMed Omics of Cardiovascular Disease in Diabetes
PD/PI: Meigs, James
Role: Co-Investigator, Subcontract
Dates: 07/2020-06/2025 (NCE)

Agency: NIDDK
Type of grant: UM1
Title: TOPMed Omics of Type 2 Diabetes and Quantitative Traits
PD/PI: Manning, Alisa
Role: Co-Investigator, Subcontract
Dates: 01/2021-12/2025 (NCE)

Agency: NHLBI
Type of grant: R01
Title: Proteomic Signatures to Identify Pathways Underlying the Progression to Heart Failure
PD/PI: Shah Amil M & Yu, Bing
Role: Co-Investigator, Subcontract
Dates: 07/2021 – 06/2025

Agency: NHLBI
Type of grant: R01
Title: Molecular Determinants of Atherosclerotic Cardiovascular Disease in Multi-ethnic Populations
PD/PI: Yu, Bing
Role: Co-Investigator
Dates: 04/2023 – 03/2027

Agency: NIA
Type of grant: R01
Title: Using polygenic risk scores and omics to study how suboptimal sleep accelerates cognitive aging in diverse populations
PD/PI: Sofer, Tamar
Role: Co-Investigator, Subcontract
Dates: 09/2023 – 05/2028

Agency: NHLBI

Title: Trans-Omics for Precision Medicine (TOPMed) Informatics Research Center (IRC)
PD/PI: Smith, Albert
Role: Co-Investigator, Subcontract
Dates: 04/2024 – 03/2029

Agency: NIA
Type of grant: R01
Title: Efficient IBD mapping for Alzheimer's Disease and related brain imaging phenotypes
PD/PI: Chen, Han/Zhi, Degui
Role: Co-Investigator
Dates: 09/2024 – 06/2029

**CONFERENCE ABSTRACTS AND PUBLICATIONS:**

A. Selected Conference Abstracts

1. **Sarnowski C**, Shin J, Bressler J, Grove ML, Mosley TH, Coresh J, Morrison AC, Yu B, Fornage M. Epigenetic associations of dementia proteins in the Atherosclerosis Risk in Communities (ARIC) Study. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, Durham (NC), December 2-4 2025.
2. Shin J, **Sarnowski C**. Peripheral blood transcriptomic signatures of insulin resistance and their association in blood and brain tissues with neurological traits. American Society of Human Genetics (ASHG), Boston (USA), Oct 14-18 2025 – Poster presentation.
3. **Sarnowski C**, Dutta D, Zhang J, Ma J, Boerwinkle E, Coresh J, Yu B, Chatterjee N. Rare variant association analyses of plasma protein levels in a multi-ancestry cohort. American Society of Human Genetics (ASHG), Washington (DC), November 01-05 2023 – Poster presentation.
4. Shin J, Bressler J, Fornage M, Pankow JS, Morrison AC, Selvin E, **Sarnowski C**. Epigenetic Markers of Insulin Resistance in the Atherosclerosis Risk in Communities (ARIC) Study. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, San Antonio (TX), October 10-12 2023 - Poster presentation.
5. **Sarnowski C**, Ma J, Nguyen Q, Tin A, Ballantyne CM, Coresh J, Morrison AC, Boerwinkle E, Chatterjee N, Yu B. Ancestrally diverse genome-wide association analysis highlights population-specific differences in the genetic regulation of plasma protein levels. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, San Antonio (TX), October 10-12 2023 - Poster presentation.
6. **Sarnowski C**, Zhang Y, Ammous F, Shade L, Jian X, Dupuis J, Hivert M-F, Florez JC, Seshadri S, Morrison AC, on behalf of the TOPMed Neurocognitive and Diabetes working groups. Association analysis of genetic clusters related to insulin resistance with neurological traits in diverse populations from the Trans-Omics for Precision Medicine Program. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, Boston (MA), May 9-11 2023 – Poster presentation.

7. **Sarnowski C**, Zhang Y, Ammous F, Shade L, Jian X, Dupuis J, Hivert M-F, Florez JC, Seshadri S, Morrison AC, on behalf of the TOPMed Neurocognitive and Diabetes working groups. Effect of genetic clusters related to insulin resistance on neurological traits in diverse populations from the Trans-Omics for Precision Medicine (TOPMed) Program. Alzheimer's Association International Conference (AAIC), Amsterdam (Netherlands), July 16-20 2023 – Poster presentation.
8. **Sarnowski C**, Gaynor S, Jian X, Ammous F, Mosley TH, Heckbert S, Fitzpatrick AL, Longstreth WT, Bis JC, Launer LJ, Dupuis J, Florez JC, Hivert MF, Smith JA, Yanek LR, Nyquist P, Glahn DC, Curran JE, Blangero J, Mathias RA, Arnett DK, Psaty B, Ling H, Manning A, Fornage M, Rotter JI, Rich SS, Meigs JB, Seshadri S, Morrison AC, on behalf of the TOPMed Diabetes and Neurocognitive working groups. Polygenic scores for insulin resistance are associated with brain volumes in the NHLBI Trans-Omics for Precision Medicine (TOPMed) Program. American Society of Human Genetics (ASHG), Los Angeles (USA), Oct 25-29 2022 – Poster presentation.
9. **Sarnowski C**, Manning A, Fornage M, Rotter JI, Rich SS, Meigs JB, Seshadri S, Morrison AC. Polygenic scores for insulin resistance are associated with brain volumes in the NHLBI Trans-Omics for Precision Medicine (TOPMed) Program. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, Seattle (USA), Oct 12-14 2022 – Poster presentation.
10. **Sarnowski C**, Shade LMP, Fornage M, Meigs JB, Seshadri S, Morrison AC, on behalf of the TOPMed Diabetes and Neurocognitive working groups. Leveraging multi-ancestry and whole genome sequence data to improve our understanding of the genetic architecture of neurological traits – applications from the NHLBI Trans-Omics for Precision Medicine (TOPMed) program. International Stroke Genetics Consortium (ISGC), Bordeaux (France), Sept 21-23 2022 – Oral presentation.
11. **Sarnowski C**, Hivert MF, Liu C, Lin H, Beiser A, DeCarli C, Dupuis J, DeJager P, Morrison AC, Seshadri S. Epigenetic signatures of insulin resistance associated with Alzheimer's Disease and related traits. International Genetic Epidemiology Society (IGES), Paris (France), Sept 07-09 2022 – Poster presentation.
12. **Sarnowski C**, Hivert MF, Liu C, Satizabal CL, Lin H, Beiser A, DeCarli C, DeStefano AL, Dupuis J, Morrison AC, Seshadri S. Epigenetic signatures of insulin resistance associated with Alzheimer's Disease and related traits. Alzheimer's Association International Conference (AAIC), San Diego (USA), July 31-Aug 04 2022 – Poster presentation.
13. Lee S, Shi B, Peloso GM, Wang Y, Heard-Costa N, Lin H, Pitsillides AN, **Sarnowski C**, Boerwinkle E, De Jager PL, Dupuis J, Seshadri S, Wijsman E, Destefano AL, Fornage M. Functional Annotations-Informed Whole Genome Sequence Analysis Identifies Novel Rare Variants for AD in the Alzheimer's Disease Sequencing Project. Alzheimer's Association International Conference (AAIC), San Diego (USA), July 31-Aug 04 2022 – Oral presentation.
14. Shade LMP, Satizabal CL, Glahn D, Mosley T, Heckbert S, Launer L, Yanek LR, Bis JC, Smith JA, DeCarli CS, Arnett DK, Psaty BM, Nyquist PA, Mathias RA, Rotter JI, Rich SS,

Blangero J, DeStefano AL, Fardo DW, Fornage M, Seshadri S, **Sarnowski C**, on behalf of the TOPMed Neurocognitive working group. Whole Genome Sequence Association Analysis of Brain MRI Measures. Alzheimer's Association International Conference (AAIC), San Diego (USA), July 31-Aug 04 2022 – Oral presentation.

15. Shade LMP, Fardo DW, Fornage M, Seshadri S, **Sarnowski C**. Whole Genome Sequence Association Analysis of Brain MRI Measures. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, Philadelphia (USA), April 27-29 2022 – Poster presentation.
16. Bouzid H, Belk J, Jan M, Qi Y, **Sarnowski C**, […], Keene CD, Seshadri S, Satpathy AT, Montine T, and Jaiswal S. Clonal Hematopoiesis is Associated with Reduced Risk of Alzheimer's Disease. American Society of Hematology, Atlanta (USA), Dec 11-14, 2021 – Oral presentation.
17. Smith JA, Kho M, Bressler J, **Sarnowski C**, Zhao W, Chaar D, Wang YZ, Ammous F, Bis JC, Nyquist P, Heckbert SR, Satizabal C, Yang Q, Snively B, Rodrigue A, Litkowski E, Glahn D, Hayden KM, Fitzpatrick A, Psaty B, Kardia SLR, Fornage M, Seshadri S, on behalf of the TOPMed Neurocognitive Working Group. American Society of Human Genetics (ASHG), virtual, 18-22 Oct 2021 - Poster presentation.
18. Zhang Y, Meigs JB, Liu CT, Dupuis J, **Sarnowski C**. Leveraging family history in genetic association analyses of binary traits. International Genetic Epidemiology Society, virtual, 13-16 October 2021 – Poster presentation.
19. **Sarnowski C**, Ghanbari M, Bis JC, Logue M, Fornage M, Mishra A, the Alzheimer's Disease Neuroimaging Initiative, Debette S, Dufouil C, Launer LJ, Kremen WS, Longstreth WT, Ikram MA, Seshadri S. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, virtual, 06-08 October 2021 – Blitz presentation.
20. **Sarnowski C**, Cousminer DL, Franceschini N, Raffield LM, Jia G, Demerath EW, Fernández-Rhodes L, Bradfield JP, Palmer JR, Murabito JM, Lunetta KL, on behalf of the ReproGen working group. Large trans-ethnic meta-analysis identifies AKR1C4 as a novel gene associated with age at menarche. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, virtual, 06-07 May 2021 – Blitz presentation.
21. Naj AC, Rajabli F, Hamilton-Nelson KL, Kunkle B, Jian X, Wang Y, Peloso GM, Lin H, **Sarnowski C**, Pitsillides A, Satizabal C, Bush WS, Thornton TA, Wijsman E, Seshadri S, Haines JL, Dupuis J, Byrd GS, Mayeux R, DeStefano AL, Martin ER, Pericak-Vance MA, Fornage M, for the ADSP. Comparative Trans-Ethnic Meta-Analysis of Whole Exome Sequencing Variation for Alzheimer's Disease (AD) in 18,402 individuals of the Alzheimer's Disease Sequencing Project (ADSP). Alzheimer's Association International Conference (AAIC), virtual, 26-30 July 2020 - Poster presentation.
22. Peloso GM, Wang Y, Lin H, **Sarnowski C**, Pitsillides A, Lim E, Fornage M, Ramos J, Martin ER, Naj AC, Pericak-Vance MA, Beecham GW, Hamilton-Nelson KL, Thornton TA, Wijsman E, Seshadri S, Haines JL, Dupuis J, DeStefano AL, Kunkle BW, on behalf of the Alzheimer Disease Sequencing Project. Assessing whole genome sequencing variation for Alzheimer's disease in 4732 individuals from the Alzheimer's disease Sequencing

Project (ADSP). Alzheimer's Association International Conference (AAIC), virtual, 26-30 July 2020 – Poster presentation.

23. Scalici A, Peloso GM, Wang Y, Lin H, **Sarnowski C**, Pitsillides AN, Dupuis J, Seshadri S, Destefano AL. Frequency of familial Alzheimer's disease gene mutations within the Alzheimer Disease Sequencing Project (ADSP): Genetics/genetic factors of Alzheimer's disease. Alzheimer's Association International Conference (AAIC), virtual, 26-30 July 2020 – Poster presentation.
24. **Sarnowski C**, Satizabal CL Yanek LR, Bis JC, Smith JA, DeCarli CS, Arnett DK, Psaty BM, Nyquist PA, Mathias RA, DeStefano AL, Seshadri S on behalf of the TOPMed Neurocognitive working group. Whole Genome Sequence Association Analyses of Brain Volumes in the TOPMed Program. Alzheimer's Association International Conference (AAIC), virtual, 26-30 July 2020 - Oral presentation.
25. **Sarnowski C** for the TOPMed Longevity and Healthy Aging Working Group. Leveraging multi-ethnic populations along with multiple handgrip measurements in association analyses with sequence data: the Trans-Omics for Precision Medicine (TOPMed) Program. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, Houston (USA), 30-31 January 2020 - Oral presentation.
26. **Sarnowski C**, Chen H, Biggs ML, Wassertheil-Smoller S, Bressler J, Irvin M, O'Connell JR, Ryan KA, Fardo DW, Karasik D, Kiel DP, Murabito J, Lunetta KL for the TOPMed Longevity and Healthy Aging Working Group. Association analysis of handgrip strength in targeted loci from GWAS using longitudinal measures and whole-genome sequence data from the Trans-Omics for Precision Medicine (TOPMed) Program. American Society of Human Genetics (ASHG), Houston (USA), 15-19 Oct 2019 - Poster presentation.
27. **Sarnowski C**, Chen H, Biggs ML, Wassertheil-Smoller S, Bressler J, Irvin M, O'Connell JR, Ryan KA, Murabito J, Lunetta KL for the TOPMed Longevity and Healthy Aging Working Group. Association analyses of handgrip strength in multi-ethnic population using sequence data from the Trans-Omics for Precision Medicine (TOPMed) Program. International Genetic Epidemiology Society (IGES), Houston (USA), 13-15 Oct 2019 - Poster presentation.
28. **Sarnowski C**, Satizabal CL, Chouraki V, Pase MP, DeCarli C, Cupples LA, Vasan RS, Beiser AS, DeStefano AL, Seshadri S. Genome-wide association of plasma tau levels in the Framingham Study. Alzheimer's Association International Conference (AAIC), Los Angeles (USA), 14-18 July 2019 - Oral presentation.
29. **Sarnowski C**, Satizabal CL, Chouraki V, Pase MP, DeCarli C, Cupples LA, Vasan RS, Beiser AS, DeStefano AL, Seshadri S. Genome-wide association of plasma tau levels in the Framingham Study. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, Saint Louis (USA), 27-28 June 2019 - Poster presentation.
30. **Sarnowski C**, Leong A, DiCorpo D, Raffield L, Guo X, de Vries P for the TOPMed Diabetes Working Group. Chromosome X association analysis of Hemoglobin A1c (A1C) in African Americans using sequence data from the Trans-Omics for Precision Medicine

(TOPMed) Program. Trans-Omics for Precision Medicine (TOPMed) meeting, Tysons (USA), 05-07 Dec 2018 – Oral presentation.

31. **Sarnowski C**, Leong A, DiCorpo D, Raffield L, Guo X, de Vries P for the TOPMed Diabetes Working Group. Chromosome X association analysis of Hemoglobin A1c (A1C) in African Americans using sequence data from the Trans-Omics for Precision Medicine (TOPMed) Program. GSI Symposium, Boston (USA), 15 Nov 2018 – Poster presentation.
32. **Sarnowski C**, Leong A, DiCorpo D, Raffield L, Guo X, de Vries PS for the TOPMed Diabetes Working Group. Chromosome X association analysis of Hemoglobin A1c (HbA1c) in African Americans using TOPMed whole genome sequence (WGS) data. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, Baltimore (USA), 11-12 Oct 2018 - Poster presentation.
33. **Sarnowski C**, Satizabal CL, Chouraki V, Pase MP, DeCarli C, Cupples LA, Vasan RS, Beiser AS, DeStefano AL, Seshadri S. Genome-wide association of plasma tau levels in the Framingham Study. American Society of Human Genetics (ASHG), San Diego (USA), 16-20 Oct. 2018 - Poster presentation.
34. **Sarnowski C**, Leong A, DiCorpo D, Raffield L, Guo X, de Vries PS for the TOPMed Diabetes Working Group. Chromosome X association analysis of Hemoglobin A1c (HbA1c) in African Americans using TOPMed whole genome sequence (WGS) data. International Genetic Epidemiology Society (IGES), San Diego (USA), 14-16 Oct 2018 - Poster presentation.
35. **Sarnowski C,** Leong A, Raffield L for the TOPMed Diabetes working group. Ancestral differences in Hemoglobin A1c (A1C) associations of erythrocyte genes using NHLBI Trans-Omics for Precision Medicine (TOPMed) Whole Genome Sequence (WGS) data. American Diabetes Association (ADA) meeting, Orlando (USA), 22-26 June 2018 - Poster presentation.
36. **Sarnowski C,** Leong A, Raffield L for the TOPMed Diabetes working group. NHLBI Trans-Omics for Precision Medicine (TOPMed) trans-ethnic association analysis of Hemoglobin A1c (A1C) in erythrocyte genes using Whole Genome Sequence (WGS) data. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, Rotterdam (Netherlands), 18-19 April 2018 - Poster presentation.
37. **Sarnowski C,** Leong A, Raffield L for the TOPMed Diabetes working group. TOPMed trans-ethnic fine-mapping of HbA1c erythrocytic GWAS loci using WGS data. Trans-Omics for Precision Medicine (TOPMed) meeting, Tysons (USA), 29 Nov-01 Dec 2017 - Oral presentation.
38. Aron E, Dupuis J, Liu CT, and **Sarnowski C**. Identification of Potential Causal Variants on Type II Diabetes Associated Loci through Fine-Mapping. Annual Biomedical Research Conference for Minority Students (ABRCMS), Phoenix (USA), 1-4 Nov 2017. Poster presentation.
39. Wu Peitao, **Sarnowski C**, for the TOPMed Diabetes working group. Whole Genome Sequence Association Analysis of Fasting Glucose in the Trans-Omics for Precision

Medicine (TOPMed) program. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, Boston (USA), 27-28 Sept 2017. Poster presentation.

40. **Sarnowski C**, Huan T, Liu C, Yao C, Joehanes R, Levy D, Dupuis J. JEM: A joint test to estimate the effect of multiple genetic variants on DNA methylation. International Genetic Epidemiology Society (IGES), Cambridge (UK), 09-11 Sept 2017. Oral presentation.
41. Sugier PE*, **Sarnowski C***, Granell R, Jarvis D, Ege MJ, Laprise C, von Mutius E, Dizier MH, Henderson AJ, Kogevinas M, Demenais F, Bouzigon E. Interaction between genetic variants and secondhand smoke exposure in early life on asthma-onset. International Genetic Epidemiology Society (IGES), Cambridge (UK), 09-11 Sept 2017. Poster presentation.
42. Margaritte-Jeannin P, Babron MC, Laprise C, **Sarnowski C,** Brossard M, Moffatt M, Cookson WO, Bouzigon E, Demenais F, Dizier MH. The COL5A3 and MMP9 Genes Interact in Eczema Susceptibility. International Genetic Epidemiology Society (IGES), Cambridge (UK), 09-11 Sept 2017. Poster presentation.
43. **Sarnowski C**, Satizabal CL, DeCarli CS, Pitsillides AN, Beiser AS, Destefano AL, Dupuis J, Seshadri S. TOPMed Whole Genome Sequence (WGS) Associations with Brain MRI Measures in the Framingham Study. Alzheimer's Association International Conference (AAIC), 16-20 July 2017, London (UK). Oral presentation.
44. **Sarnowski C,** Leong A, Raffield L for the TOPMed Diabetes working group. TOPMed Whole Genome Sequence (WGS) Associations with Hemoglobin A1c (A1C) in White and Black Populations. American Diabetes Association (ADA) meeting, San Diego (USA), 9-13 June 2017. Poster presentation.
45. Manning AK, Cade B, Hidalgo B, Lin X, Liu Q, Raffield L, Ryan K, **Sarnowski C**, Wessel J, Xu H, on behalf of the Trans-Omics for Precision Medicine (TOPMed) Program Diabetes Working Group. Whole genome association sequence analysis of fasting glucose and fasting insulin from 7,121 non-diabetic individuals in Trans-Omics for Precision Medicine (TOPMed). American Diabetes Association (ADA) meeting, San Diego (USA), 9-13 June 2017. Oral presentation.
46. Sargurupremraj M, **Sarnowski C**, Jian X, Adams H, Chauhan G et al on behalf of neuroCHARGE working group. Genome-wide interaction analysis with hypertension in association with white matter hyperintensity burden: The Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium. European Stroke Organization Conference (ESOC), Prague (Czech Republic), 16-18 May, 2017. Oral presentation.
47. **Sarnowski C,** Leong A, Raffield L for the TOPMed Diabetes working group. Trans-ethnic association analysis of Hemoglobin A1c (A1C) using TOPMed Whole Genome Sequence (WGS) data. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) meeting, New-York (USA), 23-24 March 2017 - Oral presentation.

48. Lent S, Xu H, Wang L, Wang Z, **Sarnowski C**, Hivert M-F, Dupuis J. Comparison of novel and existing methods for detecting differentially methylated regions. Genetic Analysis Workshop 20 (GAW20), 04-08 March 2017 San Diego (USA). Group presentation.
49. Fisher V, Wang L, Deng X, **Sarnowski C**, Cupples AL, Liu C-T. Do Changes in DNA Methylation Mediate or Interact with SNP Variation? A Pharmacoepigenetic Analysis. Genetic Analysis Workshop 20 (GAW20), 04-08 March 2017 San Diego (USA). Poster and Group presentation.
50. **Sarnowski C**, Lent S, Dupuis J. Investigation of parent-of-origin effects induced by treatment on triglycerides levels. Genetic Analysis Workshop 20 (GAW20), 04-08 March 2017 San Diego (USA). Oral and Group presentation.
51. **Sarnowski C**, Manning A.K, for the TOPMed T2D working group. Rare variant analysis of fasting glucose and fasting insulin using TOPMed-Framingham Heart Study whole genome sequence data. GSI Symposium, Boston (USA), 16 Nov 2016 – Oral presentation.
52. **Sarnowski C,** Satizabal C.L, DeCarli C, Pitsillides A.N, Beiser A, DeStefano A.L, Dupuis J, Seshadri S. Whole genome sequence analysis of brain MRI measures in the Framingham Study. International Stroke Genetics Consortium (ISGC). Milan (Italy), 03-04 Nov 2016 – Oral presentation. Abstract published in ***Neurol Genet***, March 2017 3:S12-S18, http://ng.neurology.org/content/3/1_Supplement_1/S12.extract
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55. **Sarnowski C**, Lunetta K.L, Murabito J.M. Risk of cardiovascular event in relation to age-at-menopause associated genetic variants in the Framingham Heart Study. International Genetic Epidemiology Society (IGES), Toronto (Canada), 24-26 Oct 2016 – Poster presentation.
56. **Sarnowski C**, Dizier M-H, Granell R, Jarvis D, Ege M, Laprise C, Sugier P-E, Margaritte-Jeannin P, Cookson W.O.C, Moffatt M, Pin I, Lathrop M, Von Mutius E, Siroux V, Henderson AJ, Kogevinas M, Demenais F, Bouzigon E. Taking into account gene-by-early environmental tobacco smoke exposure interactions to detect genetic variants influencing time-to-asthma onset. International Genetic Epidemiology Society (IGES), Toronto (Canada), 24-26 Oct 2016 – Poster presentation.
57. Dizier MH, Margaritte-Jeannin P, Pain L, **Sarnowski C**, Brossard M, Mohamdi H, Lavielle N, Just J, Lathrop M, Bouzigon E#, Laprise C#, Demenais F*, Nadif R*. Interactive effect between ATPase-related genes and early-life tobacco smoke exposure on bronchial

hyper-responsiveness detected in asthma-ascertained families. International Genetic Epidemiology Society (IGES), Toronto (Canada), 24-26 Oct 2016 – Poster presentation.

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B. Peer Reviewed Publications

1. **Sarnowski C**, Zhang Y, Ammous F, […], Fornage M, Seshadri S, Morrison AC. Association of genetic scores related to insulin resistance with neurological outcomes in ancestrally diverse cohorts from the Trans-Omics for Precision Medicine (TOPMed) program. ***Commun Biol. 2025*** Sep 24;8(1):1352. PubMed PMID: 40993182.

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3. Wang Y*, **Sarnowski C***, Lin H, Pitsillides AN, Heard-Costa NL, Choi SH, Wang D, Bis JC, Blue EE, Boerwinkle E, De Jager PL, Fornage M, Wijsman EM, Seshadri S, Dupuis J, Peloso GM, DeStefano AL. Key variants via Alzheimer's Disease Sequencing Project whole genome sequence data. ***Alzheimers Dement***. 2024 May;20:3290-3304.

4. Suzuki K, Hatzikotoulas K, Southam L, […], **Sarnowski C**, […], Voight BF, Morris AP, Zeggini E. Genetic drivers of heterogeneity in type 2 diabetes pathophysiology. ***Nature***. 2024 Feb 19.

5. Hasbani NR, Westerman KE, Heon Kwak S, […], **Sarnowski C**, […], Meigs JB, Manning AK, de Vries PS. Type 2 Diabetes Modifies the Association of CAD Genomic Risk Variants With Subclinical Atherosclerosis. ***Circ Genom Precis Med***. 2023 Nov 28:e004176.

6. **Sarnowski C**, Huan T, Ma Y, Joehanes R, Beiser A, DeCarli CS, Heard-Costa NL, Levy D, Lin H, Liu CT, Liu C, Meigs JB, Satizabal CL, Florez JC, Hivert MF, Dupuis J, De Jager PL, Bennett DA, Seshadri S, Morrison AC. Multi-tissue epigenetic analysis identifies distinct associations underlying insulin resistance and Alzheimer's disease at *CPT1A* locus. ***Clin Epigenetics***. 2023 Oct 27;15:173.

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9. **Sarnowski C**, Conomos MP, Vasan RS, Meigs JB, Dupuis J, Liu CT, Leong A. Genetic Effect on Body Mass Index and Cardiovascular Disease Across Generations. ***Circ Genom Precis Med***. 2023 Feb;16:e003858..

10. Mishra A, Malik R, Hachiya T, […], Kamatani Y, Dichgans M, Debette S. Stroke genetics informs drug discovery and risk prediction across ancestries. ***Nature***. 2022 Nov;611:115-123.

11. Zhang Y, Meigs JB, Liu CT, Dupuis J, **Sarnowski C**. Leveraging family history in genetic association analyses of binary traits. ***BMC Genomics***. 2022 Oct 1;23:678.

12. DiCorpo D, Gaynor SM, Russell EM, […], **Sarnowski C**, [,…], Meigs JB, Wessel J, Manning AK Whole genome sequence association analysis of fasting glucose and fasting insulin levels in diverse cohorts from the NHLBI TOPMed program. ***Commun Biol***. 2022. Jul 28;5:756.

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