

Guido J. Falcone MD, ScD, MPH
CURRICULUM VITAE

Contact information

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Education

M.D. University of Buenos Aires School of Medicine, 2002
M.P.H. Harvard School of Public Health (Quantitative Methods), 2010
Sc.D. Harvard School of Public Health (Genetic Epidemiology), 2014

Career/Academic Appointments

2003-2007 Neurology Resident, Department of Neurology, FLENI, Buenos Aires, Argentina
2007-2008 Chief Resident, Department of Neurology, FLENI, Buenos Aires, Argentina
2008-2009 Staff Neurologist, Department of Neurology, FLENI (Foundation for the Fight against Neurological Diseases), Buenos Aires, Argentina
2011-2014 Research Fellow, Department of Neurology, Massachusetts General Hospital, Boston
2013-2014 SPOTRIAS Fellow, Department of Neurology, Massachusetts General Hospital, Boston
2014-2016 Neurocritical Care Fellow, Harvard Medical School / Mass General Hospital, Boston
2016- Staff Neurointensivist, Yale-New Haven Hospital, New Haven
2016-2022 Assistant Professor, Department of Neurology, Yale School of Medicine, New Haven
2022- Associate Professor, Department of Neurology, Yale School of Medicine, New Haven
2020- Director of Clinical Research, Neurocritical Care, Yale School of Medicine, New Haven
2022- Training Director, Yale/AHA Bugher Center for ICH Research
2023- Academic Chief, Division of Neurocritical Care and Emergency Neurology

Board Certification

ECFMG Certification, February 2014 - current
Partial medical license, Massachusetts, June 2014 - June 2016
Full medical license, Connecticut, 2016 - current
UCNS Certification in Neurocritical Care, 2018 - current

Professional Honors & Recognition

International

2024 Yale Office for Postdoctoral Affairs' Annual Mentorship Award, Yale Postdoctoral Association
2022 Paul Dudley White International Scholar (highest ranking abstract, last author), 2022 International Stroke Conference
2021 Michael S. Pessin Stroke Leadership Prize, American Academy of Neurology
2020 American Society for Clinical Investigation Young Physician-Scientist Award
2020 Bernard J. Tyson Career Development Award, 2020 International Stroke Conference
2020 Robert G. Siekert New Investigator Award in Stroke, 2020 International Stroke Conference
2020 Paul Dudley White International Scholar (highest ranking abstract, first author), 2020 International Stroke Conference
2019 Best E-poster, 2019 European Stroke Organization Conference
2013 Travel Award for Junior Investigators, Neurocritical Care Society Meeting
2013 Travel Award for Junior Investigators, International Stroke Genetics Consortium Meeting

- 2013 Travel Award for Junior Investigators, International Stroke Conference
- 2010 Fulbright Scholarship for Graduate Studies, ScD Degree
- 2010 Inter-American Development Bank Scholarship for Graduate Studies, ScD Degree
- 2009 Fulbright Scholarship for Graduate Studies, MPH Degree
- 2009 Inter-American Development Bank Scholarship for Graduate Studies, MPH Degree

National

- 2018 Paul B. Beeson Emerging Leaders Career Development Award in Aging
- 2017 Neurocritical Care Society Research Fellowship
- 2017 Yale Claude D. Pepper Older Americans Independence Center Research Scholar
- 2013 Neurology Award, Best original research, Mass General Hospital Clinical Research Day
- 2008 Clinical Practice Research Highlights - American Academy of Neurology Annual Meeting
- 2002 magna cum laude, University of Buenos Aires School of Medicine

Grant/Clinical Trials History

Active funding

Agency: NIH/NINDS
Program: R01
Title: “Anticoagulation in Intracerebral Hemorrhage Survivors with Atrial Fibrillation and Imaging Features of Cerebral Amyloid Angiopathy and Small Vessel Disease”
Role: Contact PI
Percent effort: 30%
Dates: 06/2025-05/2030

Agency: American Heart Association
Title: “Optimizing Wellbeing and Reducing Inequities Among Hemorrhagic Stroke Survivors”
Role: Principal investigator (MPI)
Percent effort: 10%
Dates: 09/2023-08/2026

Agency: American Heart Association
Title: “Innovative Methods for PHI-free Aggregation of CT Studies (IMPACTS)”
Role: Contact PI
Percent effort: 5%
Dates: 09/2026-08/2026

Agency: National Institutes of Health
Program: U01
Title: “Race / Ethnicity, Hypertension and Prevention of VCID and Stroke after Intracerebral Hemorrhage”
Role: Site PI (contact PI Jonathan Rosand)
Percent effort: 10%
Project period: 06/2022 – 07/2027

Agency: American Heart Association
Program: Bugher Centers of Excellence in Hemorrhagic Stroke.
Title: “Polygenic Susceptibility to Hypertension in ICH: from Population Studies to Precision Medicine at the Bedside”

Role: Principal Investigator
Percent effort 10%
Dates: 01/2020 – 12/2024

Agency: National Institutes of Health
Program: U01
Title: “Anticoagulation for Stroke Prevention and Recovery after ICH (ASPIRE)”
Role: Co-Director of the ASPIRE Biorepository (contact PI Kevin Sheth)
Percent effort 10%
Project period: 09/2019 – 06/2026

Completed funding

Agency: National Institutes of Health / National Institute on Aging
Program: Paul B. Beeson Emerging Leaders Career Development Award in Aging (K76)
Title: “Genetic analyses of radiological severity, short-term functional outcome and long-term health status in spontaneous intracerebral hemorrhage.”
Role: Principal Investigator
NOTE: This 5-year grant was placed on hold after 2 years due to unusual delays caused by the COVID-19 pandemic in attaining the appropriate immigration status.

Agency: National Institutes of Neurological Disorders and Stroke
Program: NIH Small Research Grant Program (R03)
Title: “Intensive Blood Pressure Reduction in Deep Intracerebral Hemorrhage”
Role: Principal Investigator
Percent effort 5%
Dates: 06/2019 – 05/2022

Agency: American Heart Association
Program: Institute for Precision Cardiovascular Medicine - Democratizing Data Grant
Title: “An informatic pipeline to democratize access to genetic data from minority patients with intracerebral hemorrhage”
Role: Principal Investigator
Percent effort: 10%
Dates: 10/2018 – 09/2021

Agency: National Institutes of Health / National Institute on Aging
Program: Supplement to the Yale Pepper Center of Older Americans
Title: “Genomic analyses to evaluate the contribution of hypertension and hypercholesterolemia to risk of Alzheimer's Disease and cognitive decline in non-demented persons”
Role: Co-Principal Investigator / Project Lead (PI Gill)
Percent effort: 2.5%
Dates: 08/2019 – 06/2021

Date: 07/2018 – 03/2023
Agency: Neurocritical Care Society
Program: Neurocritical Care Society Research Fellowship
Title: “A cloud computing-based, fully automated imaging pipeline to evaluate perihematomal edema in intracerebral hemorrhage”

Role: Principal Investigator
Total costs: \$75,000
Dates: 07/2017 – 06/2019

Agency: Yale Claude D. Pepper Older Americans Independence Center
Program: Yale Pepper Scholar
Title: “Multi-Phenotype Big Data Approach to Cerebral Small Vessel Disease Genomics”
Role: Principal Investigator
Dates: 09/2017 – 08/2019

Active clinical trials

Agency: National Institutes of Health
Title: “StATins Use in intRacerebral hemorrhage patieNts (SATURN)”
Global P.I.: Magdy Selim
Role: Yale site Principal Investigator
Project period: 08/2019 – Current

Agency: National Institutes of Health
Title: “Anticoagulation for Stroke Prevention and Recovery after ICH (ASPIRE)”
Global P.I.: Kevin Sheth
Role: Yale site Principal Investigator
Project period: 09/2019 – Current

Agency: National Institutes of Health
Title: “Stroke, sTress, RehabilitatiON, and Genetics (STRONG)” Study
Global P.I.: Ellen Holman
Role: Yale site Principal Investigator
Project period: 09/2019 – Current

Past clinical trials

Agency: NINDS
Title: “MR WITNESS: A Study of Intravenous Thrombolysis With Alteplase in MRI-Selected Patients”
P.I.: Lee Schwamm
Role: Co-Investigator
Project period: 03/2013 – 06/2016

Agency: Remedy Pharmaceuticals, Inc.
Title: “Glyburide Advantage in Malignant Edema and Stroke - Remedy Pharmaceuticals (GAMES-RP)”
P.I.: Kevin Sheth and Taylor Kimberly
Role: Co-Investigator
Project period: 03/2014 – 06/2016

Agency: ZZ Biotech, LLC
National Institute of Neurological Disorders and Stroke (NINDS)
Title: Safety Evaluation of 3K3A-APC in Ischemic Stroke (RHAPSODY)
Study Chair: Patrick D. Lyden
Role: Co-Investigator

Project period: 07/2014 – 06/2016

Agency: University of Minnesota - Clinical and Translational Science Institute
National Institute of Neurological Disorders and Stroke (NINDS)
Title: Antihypertensive Treatment of Acute Cerebral Hemorrhage-II (ATACH-II)
P.I.: Adnan I Qureshi
Role: Co-Investigator
Project period: 03/2013 – 06/2016

Agency: University of Cincinnati
National Institute of Neurological Disorders and Stroke (NINDS)
Title: The Spot Sign for Predicting and Treating ICH Growth Study (STOP-IT)
P.I.: Matthew L. Flaherty
Role: Co-Investigator
Project period: 03/2013 – 06/2016

Agency: University of Virginia
Neurological Emergencies Treatment Trials Network (NETT)
National Institute of Neurological Disorders and Stroke (NINDS)
Title: Stroke Hyperglycemia Insulin Network Effort (SHINE) Trial (SHINE)
Study Chair: Karen C Johnston
Role: Co-Investigator
Project period: 03/2013 – 06/2016

Agency: Remedy Pharmaceuticals, Inc.
Title: “Glyburide Advantage in Malignant Edema and Stroke Pilot (GAMES-PILOT)”
P.I.: Kevin Sheth
Role: Co-Investigator
Project period: 03/2013 – 06/2014

**Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated With Yale
*International / National***

- 2026 International Stroke Conference. “Patients with asymptomatic cerebral small vessel disease should be tested for genetic arteriopathies.”
- 2026 AHA/ISC Pre-conference symposium. “Use of AI to Improve Brain Health.”
- 2026 AHA/Bugher Symposium. “Research Updates: A Population Project Evaluating the Clinical Utility of Returning Polygenic Risk Score Data.”
- 2025 NIA Beeson Annual Meeting. “Genomics and Multiomics to Identify Novel Pathways Linking Brain Health and Aging.”
- 2025 Beth Israel Deaconess Medical Center, NeuroAI Special Interest Group. “AI: Risk or Benefit to the Future of Stroke Care?”
- 2025 Paris Brain Institute (Paris, France). “Updates: Accelerating the development of next-generation drugs for cerebral small vessel disease.”
- 2025 World Stroke Congress. “The Concept of Epigenetic Aging and Brain Health: Impact on Stroke Risk.”
- 2025 AHA Bugher Network for Hemorrhagic Stroke Research Meeting. “Updates on polygenic predisposition to hypertension in stroke survivors.”
- 2025 ASPIRE trial seminars. “The VISION study: Validation of Imaging markers of Small vessel disease in Intracerebral hemorrhage to guide anticoagulation and Optimize Neurological

- outcomes.”
- 2025 NIH/NINDS StrokeNET Grand Rounds. “AI: Risk or Benefit to the Future of Stroke Care?”
- 2025 FLENI Neurological Center (Buenos Aires, Argentina). “AI models in neurocritical care and stroke: clinical and research applications”
- 2025 Women’s Health Grand Rounds, University of Toronto (Toronto, Canada). “Sex and Gender differences in brain health and cerebrovascular diseases: Findings from Large Biobanks.”
- 2025 Paris Brain Institute (Paris, France). “Multiomics to accelerate the development of next-generation drugs for cerebral small vessel disease.”
- 2024 Boston University – Stroke Grand Rounds. “Stroke Genomics: From Genetic Analyses to Genomic Medicine Tools.”
- 2024 Neuropiomics Symposium (Santiago, Chile). “Unraveling stroke mechanisms and risk factors in diverse populations using genomics in the All of Us Research Study.”
- 2024 Boston University – Neurology Grand Rounds. “Population Genetics and Large Biobanks: A Powerful Combination for Brain Health Research.”
- 2023 World Intracerebral Hemorrhage Meeting. “Epidemiology and genetics of intracerebral hemorrhage (including genomic medicine).”
- 2023 AHA Bugher Network for Hemorrhagic Stroke Research Meeting. “Polygenic Contributions to Different Vascular Risk Factors.”
- 2023 New York University – Neurology Grand Rounds. “Stroke Genomics: From Genetic Analyses to Genomic Medicine Tools.”
- 2023 ASPIRE Regular Investigator Meeting. “The ASPIRE Biobank and Neuroimaging Repository.”
- 2023 AHA Bugher Network for Hemorrhagic Stroke Research Meeting. “Translating Population Genetics Findings into Genomic Medicine Tools for ICH Survivors.”
- 2023 REACH Study – National Investigator Meeting. “REACH-Blood Pressure Variability: An ancillary study to REACH.”
- 2022 NIA Beeson Annual Meeting. “Population Genetics and Genomic Medicine: From Observational Studies to Bedside Applications.”
- 2022 Neurocritical Care Society Meeting. “Use of Technology, Machine Learning and Future of Big Data with Coma.”
- 2022 Neurocritical Care Society Meeting. “Workshop in Bioinformatics: Applications to Population genetics.”
- 2022 American Stroke Association/Bugher Foundation Centers of Excellence in Hemorrhagic Stroke Network. “Updates: Polygenic Susceptibility to Hypertension in ICH: from Population Studies to Precision Medicine at the Bedside.”
- 2022 Bugher Hemorrhagic Stroke Scholar Seminar. “Intracerebral Hemorrhage Genomics: From Causal Inference to Bedside Applications.”
- 2022 SATURN trial seminars. “Genetically Elevated LDL Associates with Lower Risk of Intracerebral Hemorrhage.”
- 2021 Society of Critical Care Medicine Journal Club. “Admission Hemoglobin Levels Are Associated with Functional Outcome in Spontaneous Intracerebral Hemorrhage.”
- 2021 F.L.E.N.I. (Argentina), Neurology Grand Rounds. “Population genetics and genomic medicine in cerebrovascular disease and neurocritical care.”
- 2021 Brown University, Brown Neurovascular Webinar Series. “Population genetics and genomic medicine in cerebrovascular disease: from cryptic genetic analyses to simple bedside applications”
- 2021 University of Hawaii, Neurology Grand Rounds. “Population genetics and genomic medicine in cerebrovascular disease: from cryptic genetic analyses to simple bedside applications”
- 2021 American Academy of Neurology Annual Meeting. Chair, Oral Abstracts in Neurocritical Care
- 2020 Neurocritical Care Society, 2020 Annual meeting. Chair, “Translational science session.”

- 2019 International Stroke Genetics Consortium, 2019 biannual workshop. “Update on active NIH grants related to research in intracerebral hemorrhage.”
- 2019 Neurocritical Care Society, 2019 Annual Meeting. “Big Data in Neurocritical Care: What, Why, and How.”
- 2019 Neurocritical Care Society, 2019 Annual Meeting. “Bioinformatics and Machine Learning for Data-Driven Research – Section on Genetic Analyses.”
- 2019 European Stroke Organization, 2019 European Stroke Organization Conference. Title: “Genetics of Intracerebral Hemorrhage.”
- 2019 National Institutes of Aging, Invited Speaker series. Title: “Genomic analysis to identify shared biological pathways across cerebral small vessel disease, dementia and frailty.”
- 2019 University of Wisconsin, Depart of Neurology Grand Rounds. Title: “Joint Genetic Contribution to Different Phenotypes Associated with Cerebral Small Vessel Disease.”
- 2018 Argentine Society of Neurology, 2018 Annual Meeting. Title: “Genetics Underpinnings of Spontaneous Intracerebral Hemorrhage.”
- 2018 F.L.E.N.I. (Argentina), 2018 Neurocritical Care Symposium. Title: “Research in Neurocritical Care in the Big data Era.”
- 2018 F.L.E.N.I. (Argentina), 2018 Neurocritical Care Symposium. Title: “Management of Spontaneous Intracerebral Hemorrhage: Current Research Strategies and Possible Future Options.”
- 2018 F.L.E.N.I. (Argentina), 2018 Neurocritical Care Symposium. Title: “Malignant Ischemic stroke: Novel Therapeutic Strategies.”
- 2018 McMaster University (Canada). 2nd Canadian HEmorrhagic Stroke trIals initiatiVE (CoHESIVE) symposium. Title: “Genetics of Spontaneous Intracerebral Hemorrhage.”
- 2018 Neurocritical Care Society, 2018 Annual Meeting. Title: “Accelerating Collaborative Science in the Age of Big Data.”
- 2018 American Heart Association, International Stroke Conference. Title: “The Use of Statins in Patients with ICH.”
- 2017 American Heart Association, Leadership Sessions. Title “Utilization of the Precision Medicine Platform in Stroke Genomics Research.”
- 2017 American Academy of Neurology, Annual Meeting, co-Chair of the session: “Cerebrovascular Disease and Interventional Neurology: Stroke Prevention and Translation.”
- 2016 International Stroke Genetics Consortium Meeting. Title: “Genome Wide Association Study Intracerebral Hemorrhage Volume.”
- 2014 European Stroke Conference. Title: “Genetics of Intracerebral Hemorrhage Risk and Treatment.”
- 2014 Harvard School of Public Health. Public Thesis Defense. Title: “Common Genetic Variation in Intracerebral Hemorrhage and Related Phenotypes.”

Regional

- 2024 Yale Neurology Departmental Retreat. “From local registries to large population studies: Resources to break down siloes within the department.”
- 2024 Neurocritical Care Fellows Lecture. “Fever, Agitation and Paroxysmal Sympathetic Hyperactivity in the NeuroICU.”
- 2023 Northwestern School of Medicine – Stroke Invited Lecture. “Translating Population Genetics Findings into Genomic Medicine Tools for Stroke Patients.”
- 2023 Neurocritical Care Fellows Lecture. “Fever, Agitation and Paroxysmal Sympathetic Hyperactivity in the NeuroICU.”
- 2022 Yale Neurocritical Care/Stroke Regular Research Meeting. “Population Genetics and Genomic Medicine: Applications to Brain Health.”
- 2022 Program on Aging – Research in Progress. “Brain Health Genomics: From population studies to

- bedside applications.”
- 2022 Neurocritical Care Fellows Lecture. “Population and Medical Genetics in the NeuroICU and the Stroke Wards.”
- 2022 Yale Neurocritical Care/Stroke Regular Research Meeting. “Return of hypertension-related polygenic risk data to stroke survivors.”
- 2022 Yale School of Medicine Executive Committee. “Population Genetics Research in Cerebrovascular Diseases: from Causal Inference to Bedside Applications.”
- 2021 Yale Brass Symposium. “Updates on Stroke Genomics.”
- 2021 Yale School of Medicine, Stroke Fellowship Seminars. “Stroke in the NeuroICU.”
- 2020 Yale School of Medicine, NeuroICU/Stroke Regular Research Meeting. Title: ”Protective role of KLOTHO Heterozygosity in risk of hemorrhagic stroke.”
- 2020 Yale School of Medicine, Yale NeuroNext Symposium. Title: “Interaction with Yale Clinical Research Initiatives.”
- 2020 Yale School of Medicine, Program on Aging Didactics. Title: “Population genetics and genomic medicine in aging-related research.”
- 2020 Yale School of Medicine, NeuroICU/Stroke Regular Research Meeting. Title: ”Genetic predisposition to atrial fibrillation and risk of silent cerebrovascular disease in persons without atrial fibrillation or stroke.”
- 2020 Yale School of Medicine, Neurology Grande Rounds. Title: “Genetic Analyses for Prediction and Causal Inference in Cerebrovascular Disease.”
- 2019 Yale School of Medicine, Neurocritical Care Fellowship Seminars. Title: “Stroke Genetics in the NeuroICU.”
- 2019 Yale School of Medicine, Pulmonary Research Conference. Title: “Genomic Analyses to Identify New Therapeutic Targets in Critical Care Medicine: The Case of Spontaneous Intracerebral Hemorrhage.”
- 2019 Yale School of Medicine, Neurocritical Care Fellowship Seminars. Title: “Severe Traumatic Brain Injury.”
- 2018 Yale School of Medicine, Biology of Aging Seminars. Title: “Genomic analyses to evaluate the impact of stroke-related genetic risk factors on aging-related phenotypes.”
- 2018 Yale School of Medicine, Program on Aging Grand Rounds. Title: “Genetic Underpinnings of Different Diseases Associated with Cerebral Small Vessel Disease.”
- 2018 Yale School of Medicine, Neurocritical Care Fellowship Seminars. Title: “Stroke Genetics in the NeuroICU.”
- 2018 Yale School of Medicine, NSCI507 Cellular and Molecular Mechanisms of Neurological Diseases, invited session. Title: “Biological mechanisms of stroke.”
- 2018 Yale School of Medicine, Neurocritical Care Fellowship Seminars. Title: “Severe Traumatic Brain Injury.”
- 2017 Yale School of Medicine, Neurocritical Care Fellowship Seminars. Title: “Stroke Genetics in the NeuroICU.”
- 2017 Yale Critical Care and Emergency Neuroscience Symposium. Title: “Update on Medical Management of Primary Intracerebral Hemorrhage.”
- 2017 Yale School of Medicine, Neurocritical Care Fellowship Seminars. Title: “Severe Traumatic Brain Injury.”
- 2016 Yale School of Medicine, NSCI507 Cellular and Molecular Mechanisms of Neurological Diseases, invited session. Title: “Biological mechanisms of stroke.”
- 2016 Massachusetts General Hospital. Title: “Mortality and Morbidity Conference”
- 2015 Massachusetts General Hospital. Title: “Common Genetic Variation and ICH Risk and Outcome.”
- 2015 Massachusetts General Hospital. Title: “Literature-Driven Guideline Review: Guideline for Head

Injury - Initial Assessment and Management.”

- 2015 Johns Hopkins School of Medicine. Title: “Current and future applications of stroke genomics to spontaneous intracerebral hemorrhage.”
- 2015 Yale School of Medicine. Title: “Current and future applications of stroke genomics to spontaneous intracerebral hemorrhage.”
- 2012 Massachusetts General Hospital - J. Philip Kistler Conference. Title: “Role of Genetic Variants for Hypertension and BMI on the Risk of Intracerebral Hemorrhage.”

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated With Yale

Oral/Podium presentations (Presenter or senior/cosenior author of work presented by a lab member)

- 2026 International Stroke Conference. “Proteogenomic Integration reveals Paralemmin-1 as a Mediator of Increased Intracerebral Hemorrhage Risk in APOE ε4 Carriers.”
- 2026 International Stroke Conference. “Decoding the Etiology of Embolic Ischemic Stroke through Integrated Genomic, Proteomic and Single-cell Transcriptomic Analyses.”
- 2026 International Stroke Conference – HEADS-UP Symposium. “Presenting Systolic Blood Pressure and Discharge Outcomes in Patients With Intracerebral Hemorrhage: Insights from the New Hemorrhagic Stroke Data Layer of the Guidelines-Stroke National Registry”
- 2025 European Stroke Organization Conference. “Polygenic Resistance to Blood Pressure Treatment and Stroke Risk.”
- 2025 European Stroke Organization Conference. “Integrative Genomic and Proteomic Drug Target Discovery for ICH in APOE ε4 Carriers.”
- 2025 European Stroke Organization Conference. “Genetically Determined Low Density Lipoprotein Cholesterol and Risk of Intracranial Hemorrhage in Patients with Atrial Fibrillation on Apixaban.”
- 2025 American Academy of Neurology Annual Meeting. Polygenic Resistance to Vascular Risk Factor Control in Stroke Survivors
- 2025 American Academy of Neurology Annual Meeting. “Integrated Genomic and Proteomic Profiling Support Cathepsin-B as a Protein Target in Cerebral Small Vessel Disease.”
- 2025 International Stroke Conference. “Integrated Genomic and Proteomic Drug Target Discovery for Ischemic Stroke.”
- 2025 International Stroke Conference. “APOE Epsilon 4 Carriers Derive Greater Benefit from Genetically Reduced Factor XI Levels.”
- 2025 International Stroke Conference. “Genomic Profiling and Risk of Intracerebral Hemorrhage in Patients with Atrial Fibrillation on Apixaban.”
- 2025 International Stroke Conference. “Clinical Trial Emulation Leveraging Genetic Effects: A Proof-of-Concept Application to SPRINT.”
- 2024 American Academy of Neurology Annual Meeting. “Polygenic Resistance to Blood Pressure Treatment and Stroke Risk.”
- 2024 American Academy of Neurology Annual Meeting. “Chronic Kidney Disease and Risk of Intracerebral Hemorrhage: The Role of Hypertension as a Mediator.”
- 2024 American Academy of Neurology Annual Meeting. “Oral Health as a Risk Factor for Spontaneous Intracerebral Hemorrhage: A Mendelian Randomization Analysis.”
- 2023 American Academy of Neurology Annual Meeting. “Neighborhood Deprivation and Polygenic Contribution to Acute Ischemic Stroke: Results from the All of Us Research Program.”
- 2023 American Academy of Neurology Annual Meeting. “Genetic Analyses of Oral Health and Neuroimaging Markers of Brain Health in Persons without Stroke.”
- 2023 American Academy of Neurology Annual Meeting. “Neighborhood Disadvantage and Outcomes Following Intracerebral Hemorrhage.”
- 2023 American Academy of Neurology Annual Meeting. “Genetically-Determined LDL Negatively

- Impacts Clinical Evolution of Ischemic Stroke Survivors.”
- 2023 International Stroke Conference. “APOE Epsilon 4 and Risk of Bleeding in Patients with Brain Arteriovenous Malformations.”
- 2023 International Stroke Conference. “Genetic Analyses of Oral Health and Neuroimaging Markers of Brain Health in Persons without Stroke.”
- 2023 International Stroke Conference. “Neighborhood Deprivation and Polygenic Contribution to Acute Ischemic Stroke: Results from the All of Us Research Program.”
- 2023 International Stroke Conference. “Neighborhood Deprivation and Race Synergistically Contribute to Undiagnosed Hypertension Leading to Acute Ischemic Stroke: Results from the All of Us Research Program.”
- 2023 International Stroke Conference. “Cerebral Amyloid Angiopathy Influences the Risk of Non-traumatic Subdural Hemorrhage: A Combined Analysis in the UK Biobank and All of Us.”
- 2023 International Stroke Conference. “Genetically-Determined LDL Negatively Impacts Clinical Evolution of Ischemic Stroke Survivors.”
- 2022 American Academy of Neurology Annual Meeting. “Genetic Analyses Support a Causal Role of Lung Cancer in Ischemic Stroke.”
- 2022 International Stroke Conference. “Observed and Genomic Life’s Simple 7 Influence Brain Health-Related Neuroimaging Traits in Persons without Stroke or Dementia.”
- 2022 International Stroke Conference.” Carotid Artery Stenosis In Underrepresented Populations Defined By Factors Other Than Race/Ethnicity: Results From The All Of Us.”
- 2022 International Stroke Conference. “Polygenic Burden Of Hypertension-related Alleles Leads To Non-traumatic Subarachnoid Hemorrhage At Younger Ages.”
- 2021 American Academy of Neurology Annual Meeting. Title: “Race and Ethnicity Influence Perihematomal Edema Volume in Supratentorial Intracerebral Hemorrhage.”
- 2021 American Academy of Neurology Annual Meeting. Title: “Stroke Disparities Across Racial and other Minorities: Results from the "All of Us" Research Program."
- 2021 American Heart Association, International Stroke Conference. Title: “Stroke Disparities in Racial and Other Minorities: Results From the “All of Us” Research Program.
- 2020 European Stroke Conference. Title: “Mendelian Randomization Analyses of Vitamin D Levels and Risk of Spontaneous Intracerebral Hemorrhage.”
- 2020 European Stroke Conference. Title: “Cross-Trait Genetic Analyses of Stroke and Coronary Artery Disease Involving a Million People Identifies Novel Loci Related to Acute Vascular Events.”
- 2020 International Stroke Conference. Title: “Sex and Genetic Predisposition Synergistically Influence Risk of Stroke and Myocardial Infarction in Middle-Aged Persons Without Risk Factors.”
- 2020 International Stroke Conference. Title: “Causal Associations Between Genetically-determined Smoking and Risk of Subarachnoid Hemorrhage.”
- 2020 International Stroke Conference. Title: “Recurrent Stroke in Middle-Aged Lacunar Stroke Survivors: Understanding Risk Factors and Vulnerability in an Important Target Population.”
- 2019 International Stroke Genomics Consortium Biannual Meeting. “Sex And Genetic Predisposition Synergistically Influence Risk Of Stroke And Myocardial Infarction In Middle-aged Persons Without Risk Factors.”
- 2019 International Stroke Genomics Consortium biannual Meeting. Title: “Genetically-Determined Lipid Levels Influence Risk of Spontaneous Intracerebral Hemorrhage.”
- 2019 American Academy of Neurology Annual Meeting. Title: “Genetically Elevated Cholesterol is Associated with Decreased Risk of Spontaneous Intracerebral Hemorrhage.”
- 2019 International Stroke Conference. Title: “Genetically-Determined Cholesterol Levels are Associated with Risk of Spontaneous Intracerebral Hemorrhage.”

- 2019 International Stroke Conference. Title: “Intensive Blood Pressure Reduction is Associated With Reduced Hematoma Expansion in Deep Intracerebral Hemorrhage: A Secondary Analysis of ATACH-2.”
- 2019 International Stroke Conference. Title: “Perihematomal Edema Expansion Rate is Associated With Poor Functional Outcomes in Basal Ganglia Intracerebral Hemorrhage.”
- 2018 American Academy of Neurology Annual Meeting. Title: “Genome-Wide Association Study of Hematoma Volume Identifies 17p12 as a Novel Susceptibility Locus for Severity and Outcome in Intracerebral Hemorrhage.”
- 2017 Neurocritical Care Society Annual Meeting. Title: “Race/Ethnicity Influences Outcomes in Young Adults with Intracerebral Hemorrhage.”
- 2017 International Stroke Conference. Title: “Genetic Variants in CETP that Increase HDL Levels also Increase Risk of Intracerebral Hemorrhage.”
- 2017 International Stroke Genetics Consortium Meeting. Title: “Platform for Accelerating Genetic Discoveries in Cerebrovascular Disease.”
- 2014 European Stroke Conference. Title: “Meta-Analysis of Genome-Wide Association Studies Identifies 1q22 as a Novel Susceptibility Locus for Intracerebral Hemorrhage.”
- 2014 International Stroke Conference. Title: “Meta-Analysis of Genome-Wide Association Studies Identifies Two New Susceptibility Loci for Intracerebral Hemorrhage.”
- 2013 Neurocritical Care Society Meeting. Title: “APOE Epsilon Genetic Variants Increase Risk of Warfarin-Related Intracerebral Hemorrhage.”
- 2013 International Stroke Genetics Consortium Meeting. Title: “Meta-Analysis of Genome-Wide Association Studies Identifies Two New Susceptibility Loci for Intracerebral Hemorrhage.”
- 2013 International Stroke Conference. Title: “Burden of Blood Pressure-Related Alleles is Associated with Larger Hematoma Volume and Worse Outcome in Intracerebral Hemorrhage.”
- 2012 International Stroke Conference. Title: “Genetic Markers for Hypertension and Body Mass Index are also Associated with Risk of Intracerebral Hemorrhage.”

Professional Service

Peer Review Groups/Grant Study Sections

- 2026 Grant reviewer, NIH ZRG1 CN-Y(81) Study Section.
- 2025 Grant Reviewer, NIH Study Section (Global Brain and Nervous System Disorders Research Across the Lifespan)
- 2024 Grant Reviewer, NIH AIMR Study Section
- 2023 Grant Reviewer, NIH AIMR Study Section
- 2021 Abstract reviewer, European Stroke Organization Conference.
- 2021 Grant reviewer, NIH BINP Study section, Early Career Reviewer (ECR) Program.
- 2020 Topic chair, Neurocritical Care, American Academy of Neurology Annual Meeting.
- 2020 Abstract reviewer, Neurocritical Care Society Annual Meeting.
- 2020 Grant reviewer, NIH BINP Study section, Early Career Reviewer (ECR) Program.
- 2019 Grant reviewer, American Heart Association, Institute for Precision Cardiovascular Medicine, Data Science Study Section.
- 2019 Grant reviewer, American Heart Association, Institute for Precision Cardiovascular Medicine, Discovery Science Study Section.
- 2019 Topic chair, Neurocritical Care, American Academy of Neurology Annual Meeting.
- 2017 Abstract reviewer, community risk factors category, International Stroke Conference.
- 2019 Abstract reviewer, Neurocritical Care Society Annual Meeting.
- 2019 Abstract reviewer, International Stroke Genetics Consortium Annual Meeting.
- 2018 Topic chair, neurocritical care, American Academy of Neurology Annual Meeting.
- 2018 Abstract reviewer, neurocritical care, American Academy of Neurology Annual Meeting.

- 2018 Abstract reviewer, community risk factors category, International Stroke Conference.
- 2018 Grant reviewer, European Research Council.
- 2018 Grant reviewer, Human Heredity and Health in Africa, the African Academy of Sciences.
- 2017 Abstract reviewer, cerebrovascular disease, American Academy of Neurology Annual Meeting.
- 2017 Abstract reviewer, community risk factors category, International Stroke Conference.
- 2016 Abstract reviewer, International Stroke Genomics Consortium Meeting.
- 2016 Abstract reviewer, epidemiology section, American Heart Association's Scientific Sessions.

Journal Service

- 2020- Associate Editor, Genes.
- 2019- Associate Editor for Stroke, Frontiers in Neurology.
- 2010- Ad hoc reviewer for: JAMA Neurology, Brain, British Medical Journal, Annals of Neurology, Neurology, Stroke, Journal of Stroke and Cerebrovascular Diseases, Cerebrovascular Diseases, Journal of Hypertension, Gene, Diabetes, and Heart Asia.

Professional Service for Professional Organizations

- 2019- Chair, Intracerebral Hemorrhage Working Group, International Stroke Genomics Consortium.
- 2024- Advisory Board Member, AHA Precision Medicine Platform.
- 2020- Steering Committee Member, ERICH-Gene Study.
- 2016- Co-chair, Yale Neurocritical Care Longitudinal Study and Biobank.
- 2020-2022 Member, Neurocritical Care Society Annual Meeting.
- 2019-2023 Co-Chair, science subcommittee, Neurocritical Care Society Annual Meeting.
- 2016-2021 Co-chair, operations committee, Cerebrovascular Disease Knowledge Portal, International Stroke Genetics Consortium.
- 2016-2020 Member, science Committee, Neurocritical Care Society.
- 2016-2018 Member, science Sub-Committee, Neurocritical Care Society Annual Conference.
- 2016-2018 Steering committee member, International Stroke Genomics Consortium.
- 2011-2019 Member, intracerebral hemorrhage working group, International Stroke Genomics Consortium.

Public Service

- 2004-2009 Group of Neurologists in Training, founding member, Argentine Neurological Association. The first group of its kind in Argentina, its mission is to create professional opportunities by providing a forum where neurology residents from around the country can exchange ideas and experiences.
- 1996-1998 Solidarity Action Projects, founding member, NGO Initiative Foundation. Endeavor designed to reach out to children attending rural schools in the Argentine Patagonia, aimed to provide education on relevant Public Health issues like preventable infectious diseases and unplanned pregnancy.

Bibliography

Peer-Reviewed Original Research

1. Petersen NH, Begunova L, Olexa M, Kumar A, Chen Y, Dhar R, Falcone GJ, Gilmore EJ, Kim JA, Magid-Bernstein JR, de Havenon A, Marshall RS, Miller EC, Matouk C, Hebert R, Sheth KN, Ortega-Gutierrez S. Autoregulation-Guided Blood Pressure Targets After Stroke Thrombectomy: Impact on Secondary Brain Injury and Neurologic Outcomes. Neurology. 2026 Feb 10;106(3):e214577. PMID: 41512207

2. Renedo D, Koo AB, Sujjantararat N, Clocchiatti-Tuozzo S, Huo S, Acosta JN, Hebert R, Gunel M, Sansing LH, Sheth KN, Falcone GJ, Matouk CC, Rivier CA. SLAMF1 as a Risk Biomarker for Nontraumatic SAH: Evidence From a Multiomics Study. *Stroke*. 2026 Feb;57(2):499–504. PMID: 41221640
3. Koo AB, Talati KV, Vajipayajula D, Castaneda A, Amllay A, Sujjantararat N, Kirsch C, Malhotra A, Hebert R, Falcone GJ, Sheth KN, de Havenon A, Kan P, Heilman CB, Malek AM, Matouk C. Endovascular shunt feasibility in shunt responsive idiopathic intracranial hypertension: morphometric radiographic analysis. *J Neurointerventional Surg*. 2026 Jan 29;jnis-2025-024793. PMID: 41611529
4. Kimball TN, Tack RWP, Parodi L, Prapiadou S, Senff JR, Tan BYQ, Duperron MG, Choksi D, Reinders EM, Rivier CA, Falcone GJ, Yechoor N, Singh SD, Rosand J, Mayerhofer E, Anderson CD. Longitudinal Trajectories of Brain Health Risk Factors Measured by the Brain Care Score and Risk of Stroke, Dementia, and Depression. *Ann Neurol*. 2026 Jan 9; PMID: 41510843
5. Murthy SB, Zhang C, Garton ALA, Mac Grory B, Shah S, Fonarow GC, Schwamm LH, Bhatt DL, Smith EE, Falcone GJ, Payabvash S, Ziai WC, Knopman J, Matouk CC, Mocco J, Kamel H, Sheth KN. Minimally Invasive Surgery Versus Open Craniotomy With Clot Evacuation After Intracerebral Hemorrhage. *Ann Neurol*. 2025 Dec 30; PMID: 41467361
6. Yasumizu Y, Kim N, Rivier CA, Moon J, Kojima S, Chen HL, Buitrago-Pocasangre N, Quinn E, Vaughn S, Morgan A, Huo S, Silberfeld A, Sumida TS, Ishigaki K, Longbrake EE, Falcone GJ, Hafler DA. Host Genetic Architecture between Epstein-Barr Virus Activity and Multiple Sclerosis Reveals Shared Pathways. *MedRxiv Prepr Serv Health Sci*. 2025 Dec 15;2025.12.11.25342083. PMCID: PMC12723777
7. Huo S, Falcone GJ. Reply to “Genetic Risk, Drug Regimens, and the Limits of Equitable Translation.” *Ann Neurol*. 2025 Dec;98(6):1402–1403. PMID: 41104730
8. de Havenon A, Littig L, Falcone GJ, Sharma R, Fesharaki A, Yaghi S, Calvario E, Rosand JM, Sheth KN, Anderson CD. Unraveling disparities in county-level dementia diagnosis prevalence across the United States. *Alzheimers Dement J Alzheimers Assoc*. 2025 Dec;21(12):e70954. PMCID: PMC12709554
9. Senff JR, Shah-Ostrowski MJ, Tack RWP, Nunley C, Palys CR, Ng S, Mallick A, Gutierrez-Martinez L, Duskin J, Kimball TN, Prapiadou S, Marini S, Reinders E, Sherman K, Tinoble A, Brouwers HB, Akhavan S, Towfighi A, Rivier CA, Falcone GJ, Sheth K, Lazar RM, Ibrahim S, Pikula A, Chemali Z, van Duijn C, Fricchione G, Tanzi RE, Yechoor N, Anderson CD, Greenaway VP, Pouwels KB, Rosand J, Singh SD. U.S. public perceptions on whether risk of dementia and stroke can be modified through maintaining or changing lifestyle. *BMC Public Health*. 2025 Nov 28;25(1):4191. PMCID: PMC12664128
10. de Havenon A, Littig L, Clocchiatti-Tuozzo S, Johnson IP, Constantinescu S, Rivier CA, Huo S, Kimberly WT, Gomez-Isla T, Kim Y, Stulberg E, Smith EE, Rosand J, Falcone G, Sheth KN, Brickman AM. Additive Effects of White Matter Hyperintensity and APOE ε4 Status on Risk of Incident Dementia in Two Large Longitudinal Cohorts. *Ann Neurol*. 2025 Nov 21; PMID: 41267647
11. Tran AT, Wen J, Abou Karam G, Zeevi D, Qureshi AI, Malhotra A, Majidi S, Valizadeh N, Murthy SB, Sabuncu MR, Roh D, Falcone GJ, Sheth KN, Payabvash S. Comparing Handcrafted Radiomics Versus Latent Deep Learning Features of Admission Head CT for Hemorrhagic Stroke Outcome Prediction. *Biotech Basel Switz*. 2025 Nov 2;14(4):87. PMCID: PMC12641684

12. Choksi D, Craven M, McVeigh T, Mallick A, Ranman T, Kourkoulis C, Constantinescu S, Kitagawa R, Egger E, Rosenfeld L, Forman R, Falcone GJ, Rosand J, Merker VL, Yechoor N. Coherence of Stroke Survivors' Lived Experiences and the Stroke-Specific Quality of Life Scale. *JAMA Netw Open*. 2025 Oct 1;8(10):e2537951. PMID: PMC12534846
13. Vanent KN, Leslie-Mazwi TM, Matouk CC, Sheth KN, Levitt MR, Falcone GJ. Hypertension Is Associated With Earlier Onset of Nontraumatic Subarachnoid Hemorrhage in Women: A Mendelian Randomization Study. *Stroke*. 2025 Oct;56(10):2996–3001. PMID: 40698383
14. Rivier CA, Xu L, Clocchiatti-Tuozzo S, Zhao H, Ohno-Machado L, Hafler DA, Falcone GJ, Longbrake EE. Differential results of genetic risk scoring for multiple sclerosis in European and African American populations. *Mult Scler*. Houndmills, Basingstoke, England; 2025 Oct;31(11):1304–1313. PMID: PMC12633797
15. Kim JA, Herman A, Shrader P, Alhanti B, Xian Y, Falcone GJ, Mac Grory B, Smith EE, Messe SR, de Havenon A, Fonarow GC, Sheth KN. National Versus State-Level Racial Disparities in Acute Stroke Interventions Using Get With The Guidelines-Stroke Data. *Stroke*. 2025 Oct;56(10):2945–2956. PMID: PMC12581475
16. Clocchiatti-Tuozzo S, Rivier CA, Qureshi AI, Renedo D, Huo S, Matouk C, Petersen N, de Havenon A, Sheth KN, Rabinstein AA, Falcone GJ, Hawkes MA. Different Responses to Blood Pressure Reduction in Lobar and Deep Intracerebral Hemorrhage. *Neurocrit Care*. 2025 Oct;43(2):607–615. PMID: 40293696
17. Wu K, Huo S, Rivier CA, Torres-Lopez V, Sharma R, de Havenon A, Worrall BB, Sheth KN, Falcone GJ. Association of Polygenic Susceptibility to Hyperlipidemia With Cholesterol Control and Recurrent Stroke in Ischemic Stroke Survivors. *Neurology*. 2025 Sept 9;105(5):e213966. PMID: 40825160
18. Chaves Rivera MN, Clocchiatti-Tuozzo S, Renedo D, Rivier CA, Huo S, Hebert RM, Elkind MSV, Lazorwitz A, Matouk CC, Tal R, Falcone GJ. Disparities in Cardiovascular Disease in Women with Adverse Pregnancy Outcomes. *MedRxiv Prepr Serv Health Sci*. 2025 Sept 5;2025.09.03.25335013. PMID: PMC12424910
19. Renedo D, Barak T, DeLong J, Acosta JN, Sujjantarat N, Koo A, Rivier CA, Clocchiatti-Tuozzo S, Huo S, Antonios J, Giles J, Falcone GJ, Sheth KN, Hebert R, Gunel M, Sansing LH, Navaratnam DS, Matouk C. Characterizing Stroke Clots Using Single-Cell Sequencing. *J Am Heart Assoc*. 2025 Sept 2;14(17):eJAHHA2025041738T. PMID: PMC12553457
20. Magid-Bernstein J, Yan J, Herman AL, He Z, Johnson CW, Beatty H, Choi R, Velazquez S, Sorensen G, Jayasundara S, Grychowski L, Amlly A, Falcone GJ, Kim J, Petersen N, O'Keefe L, Gilmore EJ, Matouk C, Sheth KN, Sansing LH. Early CSF inflammatory markers after aneurysmal subarachnoid hemorrhage and their relationship to disease severity and shunt placement. *J Stroke Cerebrovasc Dis Off J Natl Stroke Assoc*. 2025 Sept;34(9):108395. PMID: PMC12333380
21. Huo S, Rivier CA, Clocchiatti-Tuozzo S, Renedo D, Petersen N, de Havenon A, Meeker D, Zhao H, Ohno-Machado L, Sheth KN, Falcone GJ. Polygenic Resistance to Blood Pressure Treatment and Stroke Risk: Insights from the All of Us Research Program. *Ann Neurol*. 2025 Aug 19; PMID: 40827941
22. Renedo D, Koo AB, Amlly A, Sujjantarat N, Fathima B, Haynes JO, Falcone GJ, Sheth KN, Abi Fadel S, Johnson MH, Hebert R, Rivier C, Matouk C. Global gender representation in neurointerventional surgery: a natural language processing analysis of journal publications. *J Neurointerventional Surg*. 2025 Aug 14;jnis-2025-023956. PMID: 40813072

23. Koo AB, Zhou L, Hameed I, Rivier CA, Clocchiatti-Tuozzo S, Kamel H, Falcone GJ, Ney J, Sharma R, Matouk C, Yaghi S, Sheth KN, de Havenon A. Acute Ischemic Stroke Risk Following Cardiac Interventions in the United States From 2016 to 2021. *Neurology*. 2025 July 8;105(1):e213766. PMID: PMC12165311
24. Tran AT, Abou Karam G, Zeevi D, Qureshi AI, Malhotra A, Majidi S, Murthy SB, Park S, Kontos D, Falcone GJ, Sheth KN, Payabvash S. Improving the Robustness of Deep Learning Models in Predicting Hematoma Expansion from Admission Head CT. *AJNR Am J Neuroradiol*. 2025 July 1;46(7):1404–1411. PMID: PMC12453420
25. Shen J, Valentim W, Friligkou E, Overstreet C, Choi KW, Koller D, O'Donnell CJ, Stein MB, Gelernter J, Posttraumatic Stress Disorder Working Group of the Psychiatric Genomics Consortium, Lv H, Sun L, Falcone GJ, Polimanti R, Pathak GA. Shared genetic architecture of posttraumatic stress disorder with cardiovascular imaging, risk, and diagnoses. *Nat Commun*. 2025 July 1;16(1):5631. PMID: PMC12217169
26. Clocchiatti-Tuozzo S, Rivier CA, Renedo D, Huo S, de Havenon A, Hawkes MA, Gilmore E, Schwamm LH, Sheth KN, Gill TM, Falcone GJ. APOE ϵ 4 and Risk of Intracranial Hemorrhage in Patients With Atrial Fibrillation Taking Apixaban. *JAMA Neurol*. 2025 June 23;82(8):808–816. PMID: PMC12186128
27. Falcone GJ, Wolfe SQ, Zedde M, Pascarella R, Jimenez-Conde J, Vallverdu Prats M, Jimenez-Balado J, Pezzini A, Rossi S, Al-Shahi Salman R, Samarasekera N, Zand R, Li J, Jern C, Strbian D, Tomppo L, Sallinen H, Hernandez Guillamon M, Selim M, Owolabi M, Akinyemi R, Fakunle G, Lee TH, Werring D, Hostettler IC, Houlden H, Sharma P, John I, Ken-Dror G, Jenkins W, Sheth KN, Sansing LH, Sanghera DK, Sidorov E, Fernandez-Cadenas I, Cárcel-Márquez J, Chen CJ, Becerril-Gaitan A, Lee KJ, Bae HJ, Dichgans M, Malik R, Debette S, Mishra A, Pare G, Chong M, Kamatani Y, Chen Z, Walters RG, Seshadri S, Fornage M, Sudlow C, Gilkerson LA, Khandwala VJ, Maloney TC, Demel S, Parodi L, Zand R, Nyquist P, Ziai W, Worrall B, Achala VM, Langefeld CD, Rosand J, Anderson CD, Woo D, ERICH-Gene Investigators. The Ethnic/Racial Variations of Intracerebral Hemorrhage Genetics (ERICH-GENE) Study Protocol. *MedRxiv Prepr Serv Health Sci*. 2025 June 13;2025.06.11.25329301. PMID: PMC12204433
28. Senff JR, Rivier CA, Tack R, Tan BYQ, Kimball TN, Brouwers HB, Newhouse A, Fricchione G, Tanzi RE, Yechoor N, Chemali Z, Anderson CD, Rosand J, Falcone GJ, Singh S. The Brain Care Score and its associations with cardiovascular disease and cancer. *Fam Pract*. 2025 June 4;42(4):cmf034. PMID: 40464807
29. Murthy SB, Zhang C, Garton ALA, Mac Grory B, Shah S, Fonarow GC, Schwamm LH, Bhatt DL, Smith EE, Falcone GJ, Payabvash S, Ziai WC, Knopman J, Matouk CC, Mocco J, Kamel H, Sheth KN. Outcomes Following Minimally Invasive Surgery for Intracerebral Hemorrhage in the AHA Get With The Guidelines-Stroke Registry. *Stroke*. 2025 June;56(6):1441–1450. PMID: PMC12101937
30. Fladt J, Benali F, Jaroengarmsamer T, Bala F, Singh N, Nogueira RG, McTaggart R, Demchuk A, Poppe A, Buck BH, Tymianski M, Hill MD, Goyal M, Ganesh A, ESCAPE-NA1 Investigators. Impact of Brain Frailty on Clinical Presentation and Neurologic Recovery in Acute Ischemic Stroke Patients Undergoing Thrombectomy. *Neurology*. 2025 May 27;104(10):e213619. PMID: 40294371
31. Senff J, Tack RWP, Mallick A, Gutierrez-Martinez L, Duskin J, Kimball TN, Tan BYQ, Chemali ZN, Newhouse A, Kourkoulis C, Rivier C, Falcone GJ, Sheth KN, Lazar RM, Ibrahim S, Pikula A, Tanzi RE, Fricchione GL, Brouwers HB, Rinkel GJE, Yechoor N, Rosand J, Anderson CD, Singh SD. Modifiable risk factors for stroke, dementia and late-life depression: a systematic review and

- DALY-weighted risk factors for a composite outcome. *J Neurol Neurosurg Psychiatry*. 2025 May 14;96(6):515–527. PMID: 40180437
32. Renedo D, Rivier CA, Koo A, Clocchiatti-Tuozzo S, Huo S, Sujijantararat N, Torres-Lopez VM, Hebert RM, Schwamm L, de Havenon A, Gunel M, Matouk CC, Falcone GJ, Sheth KN. Impact of Social Determinants of Health on Outcomes of Nontraumatic Subarachnoid Hemorrhage. *J Am Heart Assoc*. 2025 Apr 15;14(8):e037199. PMCID: PMC12132901
 33. Murtaugh B, Olson DM, Badjatia N, Lewis A, Aiyagari V, Sharma K, Creutzfeldt CJ, Falcone GJ, Shapiro-Rosenbaum A, Zink EK, Suarez JI, Silva GS, Curing Coma Collaborators. Caring for Coma after Severe Brain Injury: Clinical Practices and Challenges to Improve Outcomes: An Initiative by the Curing Coma Campaign. *Neurocrit Care*. 2025 Apr;42(2):325–333. PMID: 39433705
 34. Abou Karam G, Chen MC, Zeevi D, Harms BC, Berson E, Torres-Lopez VM, Rivier CA, Malhotra A, Qureshi AI, Falcone GJ, Sheth KN, Payabvash S. Voxel-Wise Map of Intracerebral Hemorrhage Locations Associated With Worse Outcomes. *Stroke*. 2025 Apr;56(4):868–877. PMCID: PMC11932768
 35. Li Q, Lv X, Morotti A, Qureshi AI, Dowlathshahi D, Falcone GJ, Sheth KN, Shoamanesh A, Murthy SB, Viswanathan A, Goldstein JN. Optimal Magnitude of Blood Pressure Reduction and Hematoma Growth and Functional Outcomes in Intracerebral Hemorrhage. *Neurology*. 2025 Mar 11;104(5):e213412. PMCID: PMC11803522
 36. D’Aoust T, Clocchiatti-Tuozzo S, Rivier CA, Mishra A, Hachiya T, Grenier-Boley B, Soumaré A, Duperron MG, Le Grand Q, Bouteloup V, Proust-Lima C, Samieri C, Neuffer J, Sargurupremraj M, Chêne G, Helmer C, Thibault M, Amouyel P, Lambert JC, Kamatani Y, Jacqmin-Gadda H, Tregouët DA, Inouye M, Dufouil C, Falcone GJ, Dobbie S. Polygenic score integrating neurodegenerative and vascular risk informs dementia risk stratification. *Alzheimers Dement J Alzheimers Assoc*. 2025 Mar;21(3):e70014. PMCID: PMC11881617
 37. Chen Y, Rivier CA, Mora SA, Torres Lopez V, Payabvash S, Sheth KN, Harloff A, Falcone GJ, Rosand J, Mayerhofer E, Anderson CD. Deep learning survival model predicts outcome after intracerebral hemorrhage from initial CT scan. *Eur Stroke J*. 2025 Mar;10(1):225–235. PMCID: PMC11569453
 38. Wu K, Huo S, Rivier CA, Torres-Lopez VM, Sharma R, de Havenon A, Worrall B, Sheth KN, Falcone GJ. Genetically-Determined Low-density Lipoprotein in Ischemic Stroke Survivors. *MedRxiv Prepr Serv Health Sci*. 2025 Feb 27;2025.02.26.25322908. PMCID: PMC11888498
 39. Marini S, Kimball TN, Mayerhofer E, Tack RWP, Senff JR, Prapiadou S, Rivier CA, Duskin J, Kourkoulis C, Falcone GJ, Yechoor N, Tanzi RE, Rosand J, Singh S, Parodi L, Anderson CD. Health-Related Behaviors and Risk of Common Age-Related Brain Diseases Across Severities of Genetic Risk. *Neurology*. 2025 Feb 25;104(4):e210297. PMCID: PMC12530331
 40. Demarais ZS, Conlon C, Rivier CA, Clocchiatti-Tuozzo S, Renedo D, Torres-Lopez V, Sheth KN, Meeker D, Zhao H, Ohno-Machado L, Acosta JN, Huo S, Falcone GJ. Polygenic Susceptibility to Diabetes and Poor Glycemic Control in Stroke Survivors. *Neurology*. 2025 Feb 25;104(4):e210276. PMID: 39889253
 41. Chen Y, Rivier CA, Mora SA, Torres Lopez V, Payabvash S, Sheth K, Harloff A, Falcone GJ, Rosand J, Mayerhofer E, Anderson CD. Spatial Correlates of Dementia and Disability After Intracerebral Hemorrhage. *J Am Heart Assoc*. 2025 Feb 18;14(4):e037930. PMCID: PMC12074778

42. Rivier CA, Szejko N, Renedo D, Clocchiatti-Tuozzo S, Huo S, de Havenon A, Zhao H, Gill TM, Sheth KN, Falcone GJ. Bidirectional relationship between epigenetic age and stroke, dementia, and late-life depression. *Nat Commun.* 2025 Feb 1;16(1):1261. PMID: PMC11787333
43. Rivier CA, Renedo D, Marini S, Magid-Bernstein JR, de Havenon A, Rosand J, Hanley DF, Ziai WC, Mayer SA, Woo D, Sansing LH, Sheth KN, Anderson CD, Falcone GJ. Sex Modifies the Severity and Outcome of Spontaneous Intracerebral Hemorrhage. *Ann Neurol.* 2025 Feb;97(2):232–241. PMID: 39499118
44. Mikhael JP, Parasram M, Park J, Cappucci S, McGuone D, Falcone GJ, Sheth KN, Gilmore EJ. Rocky Mountain Spotted Fever Encephalitis and “Starry Sky” Pattern on MRI: A Case Report. *The Neurologist.* 2025 Jan 1;30(1):34–38. PMID: 39382206
45. Tran AT, Desser D, Zeevi T, Abou Karam G, Zietz J, Dell’Orco A, Chen MC, Malhotra A, Qureshi AI, Murthy SB, Majidi S, Falcone GJ, Sheth KN, Nawabi J, Payabvash S. Optimizing Automated Hematoma Expansion Classification from Baseline and Follow-Up Head Computed Tomography. *Appl Sci. Basel, Switzerland;* 2025 Jan;15(1):111. PMID: PMC11882137
46. Rivier CA, Clocchiatti-Tuozzo S, Huo S, Torres-Lopez V, Renedo D, Sheth KN, Falcone GJ, Acosta JN. Genal: a Python toolkit for genetic risk scoring and Mendelian randomization. *Bioinforma Adv.* 2025;5(1):vbae207. PMID: PMC11706532
47. Jadoon MM, Torres-Lopez V, Butt SA, Murthy SB, Falcone GJ, Payabvash S. Automatic Detection and Classification of Cerebral Microbleeds Using 3D CNN. *J Image Graph.* 2025;13(3):275–285. PMID: PMC12266711
48. Dierksen F, Sommer JK, Tran AT, Lin H, Haider SP, Maier IL, Aneja S, Sanelli PC, Malhotra A, Qureshi AI, Claassen J, Park S, Murthy SB, Falcone GJ, Sheth KN, Payabvash S. Machine Learning Models for 3-Month Outcome Prediction Using Radiomics of Intracerebral Hemorrhage and Perihematomal Edema from Admission Head Computed Tomography (CT). *Diagnostics. Basel, Switzerland;* 2024 Dec 16;14(24):2827. PMID: PMC11674633
49. Tran AT, Desser D, Zeevi T, Abou Karam G, Dierksen F, Dell’Orco A, Kniep H, Hanning U, Fiehler J, Zietz J, Sanelli PC, Malhotra A, Duncan JS, Aneja S, Falcone GJ, Qureshi AI, Sheth KN, Nawabi J, Payabvash S. A Hybrid Transformer-Convolutional Neural Network for Segmentation of Intracerebral Hemorrhage and Perihematomal Edema on Non-Contrast Head Computed Tomography (CT) with Uncertainty Quantification to Improve Confidence. *Bioengineering. Basel, Switzerland;* 2024 Dec 15;11(12):1274. PMID: PMC11672977
50. Clocchiatti-Tuozzo S, Rivier CA, Misra S, Zelano J, Mazumder R, Sansing LH, de Havenon A, Hirsch LJ, Liebeskind DS, Gilmore EJ, Sheth KN, Kim JA, Worrall BB, Falcone GJ, Mishra NK. Polygenic Risk of Epilepsy and Poststroke Epilepsy. *Stroke.* 2024 Dec;55(12):2835–2843. PMID: PMC11653790
51. Marini S, Kimball TN, Mayerhofer E, Tack RWP, Senff JR, Prapiadou S, Rivier CA, Duskin J, Kourkoulis C, Falcone GJ, Yechool N, Tanzi RE, Rosand J, Singh S, Parodi L, Anderson CD. Health-Related Behaviors and Risk of Common Age-Related Brain Diseases Across Severities of Genetic Risk. *Neurology.* 2024 Nov 26;103(10):e210014. PMID: PMC12307029
52. Clocchiatti-Tuozzo S, Rivier CA, Renedo D, Huo S, Hawkes MA, de Havenon A, Schwamm LH, Sheth KN, Gill TM, Falcone GJ. Life’s Essential 8 and Poor Brain Health Outcomes in Middle-Aged Adults. *Neurology.* 2024 Nov 26;103(10):e209990. PMID: PMC11498939
53. de Havenon A, Stulberg EL, Littig L, Wong KH, Sarpong D, Li V, Sharma R, Falcone GJ, Williamson JD, Pajewski NM, Gottesman RF, Brickman AM, Sheth KN. Socioeconomic and

medical determinants of state-level subjective cognitive decline in the United States. *Alzheimers Dement J Alzheimers Assoc.* 2024 Nov;20(11):7567–7579. PMID: PMC11567845

54. Huo S, Rivier CA, Clocchiatti-Tuozzo S, Renedo D, Sunmonu NA, de Havenon A, Sarpong DF, Rosendale N, Sheth KN, Falcone GJ. Brain Health Outcomes in Sexual and Gender Minority Groups: Results From the All of Us Research Program. *Neurology.* 2024 Oct 22;103(8):e209863. PMID: 39321407
55. de Havenon A, Gottesman RF, Williamson JD, Rost N, Sharma R, Li V, Littig L, Stulberg E, Falcone GJ, Prabhakaran S, Schneider ALC, Sheth KN, Pajewski NM, Brickman AM. White matter hyperintensity on MRI and plasma A β 42/40 ratio additively increase the risk of cognitive impairment in hypertensive adults. *Alzheimers Dement J Alzheimers Assoc.* 2024 Oct;20(10):6810–6819. PMID: PMC11485393
56. Clocchiatti-Tuozzo S, Szejko N, Rivier CA, Renedo D, Huo S, Sheth KN, Gill TM, Falcone GJ. APOE epsilon variants and composite risk of dementia, disability, and death in the health and retirement study. *J Am Geriatr Soc.* 2024 Oct;72(10):2989–2999. PMID: PMC11461103
57. Rivier CA, Singh S, Senff J, Tack RW, Marini S, Clocchiatti-Tuozzo S, Huo S, Renedo D, Papier K, Conroy M, Littlejohns TJ, Chemali Z, Kourkoulis C, Payabvash S, Newhouse A, Westover MB, Lazar RM, Pikula A, Ibrahim S, Howard VJ, Howard G, Brouwers HB, Van Duijn CM, Fricchione G, Tanzi RE, Yechoor N, Sheth KN, Anderson CD, Rosand J, Falcone GJ. Brain Care Score and Neuroimaging Markers of Brain Health in Asymptomatic Middle-Age Persons. *Neurology.* 2024 Aug 27;103(4):e209687. PMID: PMC11760050
58. Shen J, Valentim W, Friligkou E, Overstreet C, Choi K, Koller D, O'Donnell CJ, Stein MB, Gelernter J, Posttraumatic Stress Disorder Working Group of the Psychiatric Genomics Consortium, Lv H, Sun L, Falcone GJ, Polimanti R, Pathak GA. Genetics of posttraumatic stress disorder and cardiovascular conditions using Life's Essential 8, Electronic Health Records, and Heart Imaging. *MedRxiv Prepr Serv Health Sci.* 2024 Aug 21;2024.08.20.24312181. PMID: PMC11370495
59. Rivier CA, Falcone GJ, Murthy SB. Cerebral Amyloid Angiopathy and Nontraumatic Subdural Hemorrhage-Reply. *JAMA Neurol.* 2024 Aug 1;81(8):888. PMID: 38856983
60. Prasad A, Gilmore EJ, Kim JA, Begunova L, Olexa M, Beekman R, Falcone GJ, Matouk C, Ortega-Gutierrez S, Temkin NR, Barber J, Diaz-Arrastia R, de Havenon A, Petersen NH. Impact of Therapeutic Interventions on Cerebral Autoregulatory Function Following Severe Traumatic Brain Injury: A Secondary Analysis of the BOOST-II Study. *Neurocrit Care.* 2024 Aug;41(1):91–99. PMID: PMC11285118
61. Cramer SC, Parodi L, Moslemi Z, Braun RG, Aldridge CM, Shahbaba B, Rosand J, Holman EA, STRONG Study Investigators. Genetic Variation and Stroke Recovery: The STRONG Study. *Stroke.* 2024 Aug;55(8):2094–2102. PMID: PMC11262965
62. Peng TJ, Schwamm LH, Fonarow GC, Hassan AE, Hill M, Messé SR, Coronado F, Falcone GJ, Sharma R. Contemporary Prestroke Dual Antiplatelet Use and Symptomatic Intracerebral Hemorrhage Risk After Thrombolysis. *JAMA Neurol.* 2024 July 1;81(7):722–731. PMID: PMC11106713
63. Dierksen F, Tran AT, Zeevi T, Maier IL, Qureshi AI, Sanelli PC, Werring DJ, Malhotra A, Falcone GJ, Sheth KN, Payabvash S. Peri-hematoma edema shape features related to 3-month outcome in acute supratentorial intracerebral hemorrhage. *Eur Stroke J.* 2024 June;9(2):383–390. PMID: PMC11318427

64. Rivier CA, Acosta JN, Leasure AC, Forman R, Sharma R, de Havenon A, Spatz ES, Inzucchi SE, Kernan WN, Falcone GJ, Sheth KN. Secondary Prevention in Patients With Stroke Versus Myocardial Infarction: Analysis of 2 National Cohorts. *J Am Heart Assoc.* 2024 May 7;13(9):e033322. PMID: PMC11179946
65. Zaman S, Dierksen F, Knapp A, Haider SP, Abou Karam G, Qureshi AI, Falcone GJ, Sheth KN, Payabvash S. Radiomic Features of Acute Cerebral Hemorrhage on Non-Contrast CT Associated with Patient Survival. *Diagnostics.* Basel, Switzerland; 2024 Apr 30;14(9):944. PMID: PMC11083693
66. Falcone GJ, Woo D. Challenging Antiplatelet Therapy for Small Vessel Stroke Through Genetics. *Stroke.* 2024 Apr;55(4):943–945. PMID: 38527142
67. Renedo D, Acosta JN, Leasure AC, Sharma R, Krumholz HM, de Havenon A, Alahdab F, Aravkin AY, Aryan Z, Bärnighausen TW, Basu S, Burkart K, Coberly K, Criqui MH, Dai X, Desai R, Dharmaratne SD, Doshi R, Elgandy IY, Feigin VL, Filip I, Gad MM, Ghozy S, Hafezi-Nejad N, Kalani R, Karaye IM, Kisa A, Krishnamoorthy V, Lo W, Mestrovic T, Miller TR, Misganaw A, Mokdad AH, Murray CJL, Natto ZS, Radfar A, Ram P, Roth GA, Seylani A, Shah NS, Sharma P, Sheikh A, Singh JA, Song S, Sotoudeh H, Vervoort D, Wang C, Xiao H, Xu S, Zand R, Falcone GJ, Sheth KN. Burden of Ischemic and Hemorrhagic Stroke Across the US From 1990 to 2019. *JAMA Neurol.* 2024 Mar 4;81(4):394–404. PMID: PMC10913004
68. de Havenon A, Zhou LW, Koo AB, Matouk C, Falcone GJ, Sharma R, Ney J, Shu L, Yaghi S, Kamel H, Sheth KN. Endovascular Treatment of Acute Ischemic Stroke After Cardiac Interventions in the United States. *JAMA Neurol.* 2024 Mar 1;81(3):264–272. PMID: PMC10825786
69. Harris W, Kaiser JH, Liao V, Avadhani R, Iadecola C, Falcone GJ, Sheth KN, Qureshi AI, Goldstein JN, Awad IA, Hanley DF, Kamel H, Ziai WC, Murthy SB. Association Between Hematoma Volume and Risk of Subsequent Ischemic Stroke: A MISTIE III and ATACH-2 Analysis. *Stroke.* 2024 Mar;55(3):541–547. PMID: PMC10932908
70. Avery EW, Abou-Karam A, Abi-Fadel S, Behland J, Mak A, Haider SP, Zeevi T, Sanelli PC, Filippi CG, Malhotra A, Matouk CC, Falcone GJ, Petersen N, Sansing LH, Sheth KN, Payabvash S. Radiomics-Based Prediction of Collateral Status from CT Angiography of Patients Following a Large Vessel Occlusion Stroke. *Diagnostics.* Basel, Switzerland; 2024 Feb 23;14(5):485. PMID: PMC10930945
71. Tran AT, Zeevi T, Haider SP, Abou Karam G, Berson ER, Tharmaseelan H, Qureshi AI, Sanelli PC, Werring DJ, Malhotra A, Petersen NH, de Havenon A, Falcone GJ, Sheth KN, Payabvash S. Uncertainty-aware deep-learning model for prediction of supratentorial hematoma expansion from admission non-contrast head computed tomography scan. *NPJ Digit Med.* 2024 Feb 6;7(1):26. PMID: PMC10847454
72. Renedo D, Leasure AC, Young R, Rivier CA, Alhanti B, Mac Grory B, Messe SR, Reeves MJ, Hassan AE, Schwamm L, de Havenon A, Matouk CC, Sheth KN, Falcone GJ. COVID-19 Infection Is Associated With Poor Outcomes in Patients With Intracerebral Hemorrhage. *J Am Heart Assoc.* 2024 Feb 6;13(3):e030999. PMID: PMC11056169
73. Renedo D, Rivier CA, Koo AB, Sujjantararat N, Clocchiatti-Tuozzo S, Wu K, Torres-Lopez VM, Huo S, Gunel M, de Havenon A, Sheth KN, Matouk CC, Falcone GJ. APOE ϵ 4 and Intracerebral Hemorrhage in Patients With Brain Arteriovenous Malformation. *JAMA Netw Open.* 2024 Feb 5;7(2):e2355368. PMID: PMC10873768

74. Rivier CA, Kamel H, Sheth KN, Iadecola C, Gupta A, de Leon MJ, Ross E, Falcone GJ, Murthy SB. Cerebral Amyloid Angiopathy and Risk of Isolated Nontraumatic Subdural Hemorrhage. *JAMA Neurol.* 2024 Feb 1;81(2):163–169. PMID: PMC10751656
75. Rivier CA, Renedo DB, Sunmonu NA, de Havenon A, Sheth KN, Falcone GJ. Neighborhood Deprivation, Race, Ethnicity, and Undiagnosed Hypertension: Results From the All of Us Research Program. *Hypertension.* Dallas, Tex.: 1979; 2024 Feb;81(2):e10–e12. PMID: PMC10962384
76. Parodi L, Comeau ME, Georgakis MK, Mayerhofer E, Chung J, Falcone GJ, Malik R, Demel SL, Worrall BB, Koch S, Testai FD, Kittner SJ, McCauley JL, Hall CE, Mayson DJ, Elkind MSV, James ML, Woo D, Rosand J, Langefeld CD, Anderson CD. Deep Resequencing of the 1q22 Locus in Non-Lobar Intracerebral Hemorrhage. *Ann Neurol.* 2024 Feb;95(2):325–337. PMID: PMC10843118
77. Abou Karam G, Chen MC, Zeevi D, Harms BC, Torres-Lopez VM, Rivier CA, Malhotra A, de Havenon A, Falcone GJ, Sheth KN, Payabvash S. Time-Dependent Changes in Hematoma Expansion Rate after Supratentorial Intracerebral Hemorrhage and Its Relationship with Neurological Deterioration and Functional Outcome. *Diagnostics.* Basel, Switzerland; 2024 Jan 31;14(3):308. PMID: PMC10855868
78. Rivier CA, Renedo DB, de Havenon A, Sunmonu NA, Gill TM, Payabvash S, Sheth KN, Falcone GJ. Association of Poor Oral Health With Neuroimaging Markers of White Matter Injury in Middle-Aged Participants in the UK Biobank. *Neurology.* 2024 Jan 23;102(2):e208010. PMID: PMC10870735
79. Clocchiatti-Tuozzo S, Rivier CA, Renedo D, Torres Lopez VM, Geer JH, Miner B, Yaggi HK, de Havenon A, Payabvash S, Sheth KN, Gill TM, Falcone GJ. Suboptimal Sleep Duration Is Associated With Poorer Neuroimaging Brain Health Profiles in Middle-Aged Individuals Without Stroke or Dementia. *J Am Heart Assoc.* 2024 Jan 2;13(1):e031514. PMID: PMC10863828
80. Benali F, Singh N, Fladt J, Jaroengarmsamer T, Bala F, Ospel JM, Buck BH, Dowlathshahi D, Field TS, Hanel RA, Peeling L, Tymianski M, Hill MD, Goyal M, Ganesh A, ESCAPE-NA1 Investigators. Mediation of Age and Thrombectomy Outcome by Neuroimaging Markers of Frailty in Patients With Stroke. *JAMA Netw Open.* 2024 Jan 2;7(1):e2349628. PMID: PMC10762575
81. Mikhael JP, Parasram M, Manning T, Al-Dulaimi MW, Barnes EC, Falcone GJ, Hwang DY, Prust ML. Sporadic Creutzfeldt-Jakob Disease Initially Presenting With Posterior Reversible Encephalopathy Syndrome: A Case Report. *The Neurologist.* 2024 Jan 1;29(1):14–16. PMID: 37582680
82. Sommer J, Dierksen F, Zeevi T, Tran AT, Avery EW, Mak A, Malhotra A, Matouk CC, Falcone GJ, Torres-Lopez V, Aneja S, Duncan J, Sansing LH, Sheth KN, Payabvash S. Deep learning for prediction of post-thrombectomy outcomes based on admission CT angiography in large vessel occlusion stroke. *Front Artif Intell.* 2024;7:1369702. PMID: PMC11324606
83. Singh SD, Rivier CA, Papier K, Chemali Z, Gutierrez-Martinez L, Parodi L, Mayerhofer E, Senff J, Clocchiatti-Tuozzo S, Nunley C, Newhouse A, Ouyang A, Westover MB, Tanzi RE, Lazar RM, Pikula A, Ibrahim S, Brouwers HB, Howard VJ, Howard G, Yechoor N, Littlejohns T, Sheth KN, Rosand J, Fricchione G, Anderson CD, Falcone GJ. The predictive validity of a Brain Care Score for late-life depression and a composite outcome of dementia, stroke, and late-life depression: data from the UK Biobank cohort. *Front Psychiatry.* 2024;15:1373797. PMID: PMC11301016
84. Singh SD, Rivier CA, Papier K, Chemali Z, Gutierrez-Martinez L, Parodi L, Mayerhofer E, Senff J, Clocchiatti-Tuozzo S, Nunley C, Newhouse A, Ouyang A, Westover MB, Tanzi RE, Lazar RM,

- Pikula A, Ibrahim S, Brouwers HB, Howard VJ, Howard G, Yechoor N, Littlejohns T, Sheth KN, Rosand J, Fricchione G, Anderson CD, Falcone GJ. Corrigendum: The predictive validity of a Brain Care Score for late-life depression and a composite outcome of dementia, stroke, and late-life depression: data from the UK Biobank cohort. *Front Psychiatry*. 2024;15:1502482. PMID: PMC11589155
85. Sharma R, de Havenon A, Rivier C, Payabvash S, Forman R, Krumholz H, Falcone GJ, Sheth KN, Kernan WN. Impaired mobility and MRI markers of vascular brain injury: Atherosclerosis Risk in Communities and UK Biobank studies. *BMJ Neurol Open*. 2024;6(1):e000501. PMID: PMC10823923
 86. Mak A, Matouk CC, Avery EW, Behland J, Haider SP, Frey D, Madai VI, Vajkoczy P, Griessenauer CJ, Zand R, Hendrix P, Abedi V, Sanelli PC, Falcone GJ, Petersen N, Sansing LH, Sheth KN, Payabvash S, Malhotra A. Automated detection of early signs of irreversible ischemic change on CTA source images in patients with large vessel occlusion. *PloS One*. 2024;19(6):e0304962. PMID: PMC11175522
 87. de Havenon A, Falcone G, Rivier C, Littig L, Petersen N, de Villele P, Prabhakaran S, Kimberly WT, Mistry EA, Sheth K. Impact of sleep quality and physical activity on blood pressure variability. *PloS One*. 2024;19(4):e0301631. PMID: PMC11020843
 88. Mazurek MH, Parasuram NR, Peng TJ, Beekman R, Yadlapalli V, Sorby-Adams AJ, Lalwani D, Zabinska J, Gilmore EJ, Petersen NH, Falcone GJ, Sujjantararat N, Matouk C, Payabvash S, Sze G, Schiff SJ, Iglesias JE, Rosen MS, de Havenon A, Kimberly WT, Sheth KN. Detection of Intracerebral Hemorrhage Using Low-Field, Portable Magnetic Resonance Imaging in Patients With Stroke. *Stroke*. 2023 Nov;54(11):2832–2841. PMID: PMC11103256
 89. Holman EA, Cramer SC, STRONG Study Investigators. Lifetime and Acute Stress Predict Functional Outcomes Following Stroke: Findings From the Longitudinal STRONG Study. *Stroke*. 2023 Nov;54(11):2794–2803. PMID: PMC10615770
 90. Abou Karam G, Tharmaseelan H, Aboian MS, Malhotra A, Gilmore EJ, Falcone GJ, de Havenon A, Sheth KN, Payabvash S. Clinical implications of Peri-hematoma edema microperfusion fraction in intracerebral hemorrhage intravoxel incoherent motion imaging - A pilot study. *J Stroke Cerebrovasc Dis Off J Natl Stroke Assoc*. 2023 Nov;32(11):107375. PMID: PMC10591892
 91. Acosta JN, Haider SP, Rivier C, Leasure AC, Sheth KN, Falcone GJ, Payabvash S. Blood pressure-related white matter microstructural disintegration and associated cognitive function impairment in asymptomatic adults. *Stroke Vasc Neurol*. 2023 Oct;8(5):358–367. PMID: PMC10647862
 92. Li Q, Morotti A, Warren A, Qureshi AI, Dowlatsahi D, Falcone G, Sheth KN, Shoamanesh A, Murthy SB, Viswanathan A, Goldstein JN. Intensive Blood Pressure Reduction is Associated with Reduced Hematoma Growth in Fast Bleeding Intracerebral Hemorrhage. *Ann Neurol*. 2023 Sept 14; PMID: 37706569
 93. Rivier CA, Szejko N, Renedo D, Noche RB, Acosta JN, Both CP, Sharma R, Torres-Lopez VM, Payabvash S, de Havenon A, Sheth KN, Gill TM, Falcone GJ. Polygenic Susceptibility to Hypertension and Cognitive Performance in Middle-aged Persons Without Stroke or Dementia. *Neurology*. 2023 Aug 1;101(5):e512–e521. PMID: PMC10401683
 94. Ye Y, Noche RB, Szejko N, Both CP, Acosta JN, Leasure AC, Brown SC, Sheth KN, Gill TM, Zhao H, Falcone GJ. A genome-wide association study of frailty identifies significant genetic correlation with neuropsychiatric, cardiovascular, and inflammation pathways. *GeroScience*. 2023 Aug;45(4):2511–2523. PMID: PMC10651618

95. de Havenon A, Smith EE, Sharma R, Falcone GJ, Bangad A, Prabhakaran S, Sheth KN. Improvement in the Prediction of Cerebrovascular Events With White Matter Hyperintensity. *J Am Heart Assoc.* 2023 July 4;12(13):e029374. PMID: PMC10356061
96. de Havenon A, Parasuram NR, Crawford AL, Mazurek MH, Chavva IR, Yadlapalli V, Iglesias JE, Rosen MS, Falcone GJ, Payabvash S, Sze G, Sharma R, Schiff SJ, Safdar B, Wira C, Kimberly WT, Sheth KN. Identification of White Matter Hyperintensities in Routine Emergency Department Visits Using Portable Bedside Magnetic Resonance Imaging. *J Am Heart Assoc.* 2023 June 6;12(11):e029242. PMID: PMC10381997
97. Renedo D, Acosta JN, Koo AB, Rivier C, Sujjantararat N, de Havenon A, Sharma R, Gill TM, Sheth KN, Falcone GJ, Matouk CC. Higher Hospital Frailty Risk Score Is Associated With Increased Risk of Stroke: Observational and Genetic Analyses. *Stroke.* 2023 June;54(6):1538–1547. PMID: PMC10212531
98. Misra S, Quinn TJ, Falcone GJ, Sharma VK, de Havenon A, Zhao Y, Eldem E, French JA, Yasuda CL, Dawson J, Liebeskind DS, Kwan P, Mishra NK. Impact of genetic polymorphisms on the risk of epilepsy amongst patients with acute brain injury: A systematic review. *Eur J Neurol.* 2023 June;30(6):1791–1800. PMID: 36912749
99. Kaltenhauser S, Weber CF, Lin H, Mozayan A, Malhotra A, Constable RT, Acosta JN, Falcone GJ, Taylor SN, Ment LR, Sheth KN, Payabvash S. Association of Body Mass Index and Waist Circumference With Imaging Metrics of Brain Integrity and Functional Connectivity in Children Aged 9 to 10 Years in the US, 2016-2018. *JAMA Netw Open.* 2023 May 1;6(5):e2314193. PMID: PMC10196880
100. Herman AL, de Havenon A, Falcone GJ, Prabhakaran S, Sheth KN. Racial/Ethnic Variation in White Matter Hyperintensity Progression in the ACCORDION MIND Study. *The Neurologist.* 2023 May 1;28(3):157–159. PMID: 35834785
101. Clocchiatti-Tuozzo S, Rivier C, Renedo D, Lopez VMT, Geer J, Miner B, Yaggi H, de Havenon A, Payabvash S, Sheth KN, Gill TM, Falcone GJ. Suboptimal Sleep Duration is Associated with Poorer Neuroimaging Brain Health Profiles. *MedRxiv Prepr Serv Health Sci.* 2023 Apr 26;2023.04.20.23288891. PMID: PMC10168497
102. Parodi L, Comeau ME, Georgakis MK, Mayerhofer E, Chung J, Falcone GJ, Malik R, Demel SL, Worrall BB, Koch S, Testai FD, Kittner SJ, McCauley JL, Hall CE, Mayson DJ, Elkind MS, James ML, Woo D, Rosand J, Langefeld CD, Anderson CD. Deep resequencing of the 1q22 locus in non-lobar intracerebral hemorrhage. *MedRxiv Prepr Serv Health Sci.* 2023 Apr 24;2023.04.18.23288754. PMID: PMC10168419
103. Acosta JN, Both CP, Demarais ZS, Conlon CJ, Leasure AC, Torres-Lopez VM, de Havenon A, Petersen NH, Gill TM, Sansing LH, Sheth KN, Falcone GJ. Polygenic Susceptibility to Hypertension and Blood Pressure Control in Stroke Survivors. *Neurology.* 2023 Apr 11;100(15):e1587–e1597. PMID: PMC10103110
104. Myserlis EP, Georgakis MK, Demel SL, Sekar P, Chung J, Malik R, Hyacinth HI, Comeau ME, Falcone GJ, Langefeld CD, Rosand J, Woo D, Anderson CD. A Genomic Risk Score Identifies Individuals at High Risk for Intracerebral Hemorrhage. *Stroke.* 2023 Apr;54(4):973–982. PMID: PMC10050100
105. Bevers MB, Booraem C, Li K, Sreekrishnan A, Sastre C, Falcone GJ, Sheth KN, Sansing LH, Kimberly WT. Association of Soluble ST2 With Functional Outcome, Perihematomal Edema, and Immune Response After Intraparenchymal Hemorrhage. *Neurology.* 2023 Mar 28;100(13):e1329–e1338. PMID: PMC10065211

106. Rivier CA, Renedo D, de Havenon A, Gill TM, Payabvash S, Sheth KN, Falcone GJ. Poor Oral Health Is Associated with Worse Brain Imaging Profiles. *MedRxiv Prepr Serv Health Sci.* 2023 Mar 18;2023.03.18.23287435. PMID: PMC10055602
107. Young BM, Holman EA, Cramer SC, STRONG Study Investigators. Rehabilitation Therapy Doses Are Low After Stroke and Predicted by Clinical Factors. *Stroke.* 2023 Mar;54(3):831–839. PMID: PMC9992003
108. Xie Y, Acosta JN, Ye Y, Demarais ZS, Conlon CJ, Chen M, Zhao H, Falcone GJ. Whole-Exome Sequencing Analyses Support a Role of Vitamin D Metabolism in Ischemic Stroke. *Stroke.* 2023 Mar;54(3):800–809. PMID: PMC10467223
109. Ammar AA, Elsamadicy AA, Ammar MA, Reeves BC, Koo AB, Falcone GJ, Hwang DY, Petersen N, Kim JA, Beekman R, Prust M, Magid-Bernstein J, Acosta JN, Herbert R, Sheth KN, Matouk CC, Gilmore EJ. Emergent external ventricular drain placement in patients with factor Xa inhibitor-associated intracerebral hemorrhage after reversal with andexanet alfa. *Clin Neurol Neurosurg.* 2023 Mar;226:107621. PMID: 36791588
110. Wong KH, Muddasani V, Peterson C, Sheibani N, Arkin C, Cheong I, Majersik JJ, Biffi A, Petersen N, Falcone GJ, Sansing LH, de Havenon AH. Baseline Serum Biomarkers of Inflammation and Subsequent Visit-to-Visit Blood Pressure Variability: A Post Hoc Analysis of MESA. *Am J Hypertens.* 2023 Feb 24;36(3):144–147. PMID: PMC11484580
111. Singh SD, Oreskovic T, Carr S, Papier K, Conroy M, Senff JR, Chemali Z, Gutierrez-Martinez L, Parodi L, Mayerhofer E, Marini S, Nunley C, Newhouse A, Ouyang A, Brouwers HB, Westover B, Rivier C, Falcone G, Howard V, Howard G, Pikula A, Ibrahim S, Sheth KN, Yechoor N, Lazar RM, Anderson CD, Tanzi RE, Fricchione G, Littlejohns T, Rosand J. The predictive validity of a Brain Care Score for dementia and stroke: data from the UK Biobank cohort. *Front Neurol.* 2023;14:1291020. PMID: PMC10725202
112. Haider SP, Qureshi AI, Jain A, Tharmaseelan H, Berson ER, Zeevi T, Werring DJ, Gross M, Mak A, Malhotra A, Sansing LH, Falcone GJ, Sheth KN, Payabvash S. Radiomic markers of intracerebral hemorrhage expansion on non-contrast CT: independent validation and comparison with visual markers. *Front Neurosci.* 2023;17:1225342. PMID: PMC10467422
113. Mishra A, Malik R, Hachiya T, Jürgenson T, Namba S, Posner DC, Kamanu FK, Koido M, Le Grand Q, Shi M, He Y, Georgakis MK, Caro I, Krebs K, Liaw YC, Vaura FC, Lin K, Winsvold BS, Srinivasasainagendra V, Parodi L, Bae HJ, Chauhan G, Chong MR, Tomppo L, Akinyemi R, Roshchupkin GV, Habib N, Jee YH, Thomassen JQ, Abedi V, Cárcel-Márquez J, Nygaard M, Leonard HL, Yang C, Yonova-Doing E, Knol MJ, Lewis AJ, Judy RL, Ago T, Amouyel P, Armstrong ND, Bakker MK, Bartz TM, Bennett DA, Bis JC, Bordes C, Børte S, Cain A, Ridker PM, Cho K, Chen Z, Cruchaga C, Cole JW, de Jager PL, de Cid R, Endres M, Ferreira LE, Geerlings MI, Gasca NC, Gudnason V, Hata J, He J, Heath AK, Ho YL, Havulinna AS, Hopewell JC, Hyacinth HI, Inouye M, Jacob MA, Jeon CE, Jern C, Kamouchi M, Keene KL, Kitazono T, Kittner SJ, Konuma T, Kumar A, Lacaze P, Launer LJ, Lee KJ, Lepik K, Li J, Li L, Manichaikul A, Markus HS, Marston NA, Meitinger T, Mitchell BD, Montellano FA, Morisaki T, Mosley TH, Nalls MA, Nordestgaard BG, O'Donnell MJ, Okada Y, Onland-Moret NC, Ovbiagele B, Peters A, Psaty BM, Rich SS, Rosand J, Sabatine MS, Sacco RL, Saleheen D, Sandset EC, Salomaa V, Sargurupremraj M, Sasaki M, Satizabal CL, Schmidt CO, Shimizu A, Smith NL, Sloane KL, Sutoh Y, Sun YV, Tanno K, Tiedt S, Tatlisumak T, Torres-Aguila NP, Tiwari HK, Trégouët DA, Trompet S, Tuladhar AM, Tybjaerg-Hansen A, van Vugt M, Vibo R, Verma SS, Wiggins KL, Wennberg P, Woo D, Wilson PWF, Xu H, Yang Q, Yoon K, COMPASS Consortium, INVENT Consortium, Dutch Parelsnoer Initiative (PSI) Cerebrovascular Disease Study Group, Estonian

Biobank, PRECISE4Q Consortium, FinnGen Consortium, NINDS Stroke Genetics Network (SiGN), MEGASTROKE Consortium, SIREN Consortium, China Kadoorie Biobank Collaborative Group, VA Million Veteran Program, International Stroke Genetics Consortium (ISGC), Biobank Japan, CHARGE Consortium, GIGASTROKE Consortium, Millwood IY, Gieger C, Ninomiya T, Grabe HJ, Jukema JW, Rissanen IL, Strbian D, Kim YJ, Chen PH, Mayerhofer E, Howson JMM, Irvin MR, Adams H, Wassertheil-Smoller S, Christensen K, Ikram MA, Rundek T, Worrall BB, Lathrop GM, Riaz M, Simonsick EM, Kõrv J, França PHC, Zand R, Prasad K, Frikke-Schmidt R, de Leeuw FE, Liman T, Haeusler KG, Ruigrok YM, Heuschmann PU, Longstreth WT, Jung KJ, Bastarache L, Paré G, Damrauer SM, Chasman DI, Rotter JJ, Anderson CD, Zwart JA, Niiranen TJ, Fornage M, Liaw YP, Seshadri S, Fernández-Cadenas I, Walters RG, Ruff CT, Owolabi MO, Huffman JE, Milani L, Kamatani Y, Dichgans M, Debette S. Publisher Correction: Stroke genetics informs drug discovery and risk prediction across ancestries. *Nature*. 2022 Dec;612(7938):E7. PMID: PMC9712088

114. Mishra A, Malik R, Hachiya T, Jürgenson T, Namba S, Posner DC, Kamanu FK, Koido M, Le Grand Q, Shi M, He Y, Georgakis MK, Caro I, Krebs K, Liaw YC, Vaura FC, Lin K, Winsvold BS, Srinivasasainagendra V, Parodi L, Bae HJ, Chauhan G, Chong MR, Tomppo L, Akinyemi R, Roshchupkin GV, Habib N, Jee YH, Thomassen JQ, Abedi V, Cárcel-Márquez J, Nygaard M, Leonard HL, Yang C, Yonova-Doing E, Knol MJ, Lewis AJ, Judy RL, Ago T, Amouyel P, Armstrong ND, Bakker MK, Bartz TM, Bennett DA, Bis JC, Bordes C, Børte S, Cain A, Ridker PM, Cho K, Chen Z, Cruchaga C, Cole JW, de Jager PL, de Cid R, Endres M, Ferreira LE, Geerlings MI, Gasca NC, Gudnason V, Hata J, He J, Heath AK, Ho YL, Havulinna AS, Hopewell JC, Hyacinth HI, Inouye M, Jacob MA, Jeon CE, Jern C, Kamouchi M, Keene KL, Kitazono T, Kittner SJ, Konuma T, Kumar A, Lacaze P, Launer LJ, Lee KJ, Lepik K, Li J, Li L, Manichaikul A, Markus HS, Marston NA, Meitinger T, Mitchell BD, Montellano FA, Morisaki T, Mosley TH, Nalls MA, Nordestgaard BG, O'Donnell MJ, Okada Y, Onland-Moret NC, Ovbiagele B, Peters A, Psaty BM, Rich SS, Rosand J, Sabatine MS, Sacco RL, Saleheen D, Sandset EC, Salomaa V, Sargurupremraj M, Sasaki M, Satizabal CL, Schmidt CO, Shimizu A, Smith NL, Sloane KL, Sutoh Y, Sun YV, Tanno K, Tiedt S, Tatlisumak T, Torres-Aguila NP, Tiwari HK, Trégouët DA, Trompet S, Tuladhar AM, Tybjaerg-Hansen A, van Vugt M, Vibo R, Verma SS, Wiggins KL, Wennberg P, Woo D, Wilson PWF, Xu H, Yang Q, Yoon K, COMPASS Consortium, INVENT Consortium, Dutch Parelsoer Initiative (PSI) Cerebrovascular Disease Study Group, Estonian Biobank, PRECISE4Q Consortium, FinnGen Consortium, NINDS Stroke Genetics Network (SiGN), MEGASTROKE Consortium, SIREN Consortium, China Kadoorie Biobank Collaborative Group, VA Million Veteran Program, International Stroke Genetics Consortium (ISGC), Biobank Japan, CHARGE Consortium, GIGASTROKE Consortium, Millwood IY, Gieger C, Ninomiya T, Grabe HJ, Jukema JW, Rissanen IL, Strbian D, Kim YJ, Chen PH, Mayerhofer E, Howson JMM, Irvin MR, Adams H, Wassertheil-Smoller S, Christensen K, Ikram MA, Rundek T, Worrall BB, Lathrop GM, Riaz M, Simonsick EM, Kõrv J, França PHC, Zand R, Prasad K, Frikke-Schmidt R, de Leeuw FE, Liman T, Haeusler KG, Ruigrok YM, Heuschmann PU, Longstreth WT, Jung KJ, Bastarache L, Paré G, Damrauer SM, Chasman DI, Rotter JJ, Anderson CD, Zwart JA, Niiranen TJ, Fornage M, Liaw YP, Seshadri S, Fernández-Cadenas I, Walters RG, Ruff CT, Owolabi MO, Huffman JE, Milani L, Kamatani Y, Dichgans M, Debette S. Stroke genetics informs drug discovery and risk prediction across ancestries. *Nature*. 2022 Nov;611(7934):115–123. PMID: PMC9524349
115. Mak A, Matouk C, Avery EW, Behland J, Frey D, Madai VI, Vajkoczy P, Malhotra A, Abou Karam A, Sanelli P, Falcone GJ, Petersen NH, Sansing L, Sheth KN, Payabvash S. Similar admission NIHSS may represent larger tissue-at-risk in patients with right-sided versus left-sided large vessel occlusion. *J Neurointervent Surg*. 2022 Oct;14(10):985–991. PMID: 34645705

116. Chavva IR, Crawford AL, Mazurek MH, Yuen MM, Prabhat AM, Payabvash S, Sze G, Falcone GJ, Matouk CC, de Havenon A, Kim JA, Sharma R, Schiff SJ, Rosen MS, Kalpathy-Cramer J, Iglesias Gonzalez JE, Kimberly WT, Sheth KN. Deep Learning Applications for Acute Stroke Management. *Ann Neurol*. 2022 Oct;92(4):574–587. PMID: 35689531
117. Avery EW, Behland J, Mak A, Haider SP, Zeevi T, Sanelli PC, Filippi CG, Malhotra A, Matouk CC, Griessenauer CJ, Zand R, Hendrix P, Abedi V, Falcone GJ, Petersen N, Sansing LH, Sheth KN, Payabvash S. Dataset on acute stroke risk stratification from CT angiographic radiomics. *Data Brief*. 2022 Oct;44:108542. PMCID: PMC9428796
118. Vanent KN, Leasure AC, Acosta JN, Kuohn LR, Woo D, Murthy SB, Kamel H, Messé SR, Mullen MT, Cohen JB, Cohen DL, Townsend RR, Petersen NH, Sansing LH, Gill TM, Sheth KN, Falcone GJ. Association of Chronic Kidney Disease With Risk of Intracerebral Hemorrhage. *JAMA Neurol*. 2022 Sept 1;79(9):911–918. PMCID: PMC9379821
119. Shah VA, Thompson RE, Yenokyan G, Acosta JN, Avadhani R, Dlugash R, McBee N, Li Y, Hansen BM, Ullman N, Falcone G, Awad IA, Hanley DF, Ziai WC. One-Year Outcome Trajectories and Factors Associated with Functional Recovery Among Survivors of Intracerebral and Intraventricular Hemorrhage With Initial Severe Disability. *JAMA Neurol*. 2022 Sept 1;79(9):856–868. PMCID: PMC9316056
120. Kuramatsu JB, Gerner ST, Ziai W, Bardutzky J, Sembill JA, Sprügel MI, Mrochen A, Kölbl K, Ram M, Avadhani R, Falcone GJ, Selim MH, Lioutas VA, Endres M, Zweynert S, Vajkoczy P, Ringleb PA, Purrucker JC, Volkmann J, Neugebauer H, Erbguth F, Schellinger PD, Knappe UJ, Fink GR, Dohmen C, Minnerup J, Reichmann H, Schneider H, Röther J, Reimann G, Schwarz M, Bätzner H, Claßen J, Michalski D, Witte OW, Günther A, Hamann GF, Lücking H, Dörfler A, Ishfaq MF, Chang JJ, Testai FD, Woo D, Alexandrov AV, Staykov D, Goyal N, Tsivgoulis G, Sheth KN, Awad IA, Schwab S, Hanley DF, Huttner HB, Collaborators. Association of Intraventricular Fibrinolysis With Clinical Outcomes in Intracerebral Hemorrhage: An Individual Participant Data Meta-Analysis. *Stroke*. 2022 Sept;53(9):2876–2886. PMCID: PMC9398945
121. Acosta JN, Falcone GJ, Rajpurkar P, Topol EJ. Multimodal biomedical AI. *Nat Med*. 2022 Sept;28(9):1773–1784. PMID: 36109635
122. Torres-Lopez VM, Rovenolt GE, Olcese AJ, Garcia GE, Chacko SM, Robinson A, Gaiser E, Acosta J, Herman AL, Kuohn LR, Leary M, Soto AL, Zhang Q, Fatima S, Falcone GJ, Payabvash MS, Sharma R, Struck AF, Sheth KN, Westover MB, Kim JA. Development and Validation of a Model to Identify Critical Brain Injuries Using Natural Language Processing of Text Computed Tomography Reports. *JAMA Netw Open*. 2022 Aug 1;5(8):e2227109. PMCID: PMC9382443
123. Leasure AC, Acosta JN, Sansing LH, Sheth KN, Cohen JM, Falcone GJ. Association of lichen planus with cardiovascular disease: A combined analysis of the UK Biobank and All of Us Study. *J Am Acad Dermatol*. 2022 Aug;87(2):454–456. PMID: 34562549
124. Haider SP, Qureshi AI, Jain A, Tharmaseelan H, Berson ER, Majidi S, Filippi CG, Mak A, Werring DJ, Acosta JN, Malhotra A, Kim JA, Sansing LH, Falcone GJ, Sheth KN, Payabvash S. The coronal plane maximum diameter of deep intracerebral hemorrhage predicts functional outcome more accurately than hematoma volume. *Int J Stroke Off J Int Stroke Soc*. 2022 Aug;17(7):777–784. PMCID: PMC9005571
125. Acosta JN, Falcone GJ, Rajpurkar P. The Need for Medical Artificial Intelligence That Incorporates Prior Images. *Radiology*. 2022 Aug;304(2):283–288. PMID: 35438563

126. Szejko N, Acosta JN, Both CP, Leasure A, Matouk C, Sansing L, Gill TM, Hongyu Z, Sheth K, Falcone GJ. Genetically-Proxied Levels of Vitamin D and Risk of Intracerebral Hemorrhage. *J Am Heart Assoc.* 2022 July 5;11(13):e024141. PMID: PMC9333362
127. de Havenon A, Sharma R, Falcone GJ, Prabhakaran S, Sheth KN. Effect of Intensive Blood Pressure Control on Incident Stroke Risk in Patients With Mild Cognitive Impairment. *Stroke.* 2022 July;53(7):e242–e245. PMID: PMC9246875
128. Acosta JN, Both CP, Rivier C, Szejko N, Leasure AC, Gill TM, Payabvash S, Sheth KN, Falcone GJ. Analysis of Clinical Traits Associated With Cardiovascular Health, Genomic Profiles, and Neuroimaging Markers of Brain Health in Adults Without Stroke or Dementia. *JAMA Netw Open.* 2022 May 2;5(5):e2215328. PMID: PMC9142873
129. Yuen MM, Prabhat AM, Mazurek MH, Chavva IR, Crawford A, Cahn BA, Beekman R, Kim JA, Gobeske KT, Petersen NH, Falcone GJ, Gilmore EJ, Hwang DY, Jasne AS, Amin H, Sharma R, Matouk C, Ward A, Schindler J, Sansing L, de Havenon A, Aydin A, Wira C, Sze G, Rosen MS, Kimberly WT, Sheth KN. Portable, low-field magnetic resonance imaging enables highly accessible and dynamic bedside evaluation of ischemic stroke. *Sci Adv.* 2022 Apr 22;8(16):eabm3952. PMID: PMC9020661
130. Magid-Bernstein JR, Li Y, Cho SM, Piran PJ, Roh DJ, Gupta A, Shoamanesh A, Merkler A, Zhang C, Avadhani R, Montano N, Iadecola C, Falcone GJ, Sheth KN, Qureshi AI, Rosand J, Goldstein J, Awad I, Hanley DF, Kamel H, Ziai WC, Murthy SB. Cerebral Microbleeds and Acute Hematoma Characteristics in the ATACH-2 and MISTIE III Trials. *Neurology.* 2022 Mar 8;98(10):e1013–e1020. PMID: PMC8967392
131. Hong C, Renedo D, Sujijantarant N, Koo A, Falcone GJ, Malhotra A, Petersen NH, Matouk C. Real-Time Imaging of Aneurysmal Rupture Causing an Isolated Acute Subdural Hematoma. *Neurology.* 2022 Mar 1;98(9):373–374. PMID: PMC10508646
132. Sheth KN, Anderson CD, Biffi A, Dlamini N, Falcone GJ, Fox CK, Fullerton HJ, Greenberg SM, Hemphill JC, Kim A, Kim H, Ko NU, Roland JL, Sansing LH, van Veluw SJ, Rosand J. Maximizing Brain Health After Hemorrhagic Stroke: Bugher Foundation Centers of Excellence. *Stroke.* 2022 Mar;53(3):1020–1029. PMID: PMC8885885
133. Renedo D, Acosta JN, Sujijantarant N, Antonios JP, Koo AB, Sheth KN, Matouk CC, Falcone GJ. Carotid Artery Disease Among Broadly Defined Underrepresented Groups: The All of Us Research Program. *Stroke.* 2022 Mar;53(3):e88–e89. PMID: PMC8944776
134. Pathak GA, Singh K, Wendt FR, Fleming TW, Overstreet C, Koller D, Tylee DS, De Angelis F, Cabrera Mendoza B, Levey DF, Koenen KC, Krystal JH, Pietrzak RH, O’ Donell C, Gaziano JM, Falcone G, Stein MB, Gelernter J, Pasaniuc B, Mancuso N, Davis LK, Polimanti R. Genetically regulated multi-omics study for symptom clusters of posttraumatic stress disorder highlights pleiotropy with hematologic and cardio-metabolic traits. *Mol Psychiatry.* 2022 Mar;27(3):1394–1404. PMID: PMC9210390
135. Chen D, Zhang C, Parikh N, Merkler AE, Navi BB, Fink ME, Sheth KN, Falcone GJ, de Leon MJ, Gupta A, Kamel H, Murthy SB. Association Between Systemic Amyloidosis and Intracranial Hemorrhage. *Stroke.* 2022 Mar;53(3):e92–e93. PMID: PMC8885899
136. Acosta JN, Leasure AC, Sheth KN, Falcone GJ. The authors reply. *Crit Care Med.* 2022 Feb 1;50(2):e215–e216. PMID: PMC8842829
137. Sheth KN, Yuen MM, Mazurek MH, Cahn BA, Prabhat AM, Salehi S, Shah JT, By S, Welch EB, Sofka M, Sacolick LI, Kim JA, Payabvash S, Falcone GJ, Gilmore EJ, Hwang DY, Matouk C,

- Gordon-Kundu B, Rn AW, Petersen N, Schindler J, Gobeske KT, Sansing LH, Sze G, Rosen MS, Kimberly WT, Kundu P. Bedside detection of intracranial midline shift using portable magnetic resonance imaging. *Sci Rep.* 2022 Jan 7;12(1):67. PMID: PMC8742125
138. Parasram M, Parikh NS, Merkler AE, Falcone GJ, Sheth KN, Navi BB, Kamel H, Zhang C, Murthy SB. Risk of Mortality After an Arterial Ischemic Event Among Intracerebral Hemorrhage Survivors. *The Neurohospitalist.* 2022 Jan;12(1):19–23. PMID: PMC8689534
139. Acosta JN, Both CP, Szejko N, Leasure AC, Abdelhakim S, Torres-Lopez VM, Brown SC, Matouk CC, Gunel M, Sheth KN, Falcone GJ. Genetically Determined Low-Density Lipoprotein Cholesterol and Risk of Subarachnoid Hemorrhage. *Ann Neurol.* 2022 Jan;91(1):145–149. PMID: 34709661
140. Avery EW, Behland J, Mak A, Haider SP, Zeevi T, Sanelli PC, Filippi CG, Malhotra A, Matouk CC, Griessenauer CJ, Zand R, Hendrix P, Abedi V, Falcone GJ, Petersen N, Sansing LH, Sheth KN, Payabvash S. CT angiographic radiomics signature for risk stratification in anterior large vessel occlusion stroke. *NeuroImage Clin.* 2022;34:103034. PMID: PMC9108990
141. Ganesh A, Ospel JM, Menon BK, Demchuk AM, McTaggart RA, Nogueira RG, Poppe AY, Almekhlafi MA, Hanel RA, Thomalla G, Holmin S, Puetz V, van Adel BA, Tarpley JW, Tymianski M, Hill MD, Goyal M, ESCAPE-NA1 Trial Investigators. Assessment of Discrepancies Between Follow-up Infarct Volume and 90-Day Outcomes Among Patients With Ischemic Stroke Who Received Endovascular Therapy. *JAMA Netw Open.* 2021 Nov 1;4(11):e2132376. PMID: PMC8571657
142. Witsch J, Falcone GJ, Leasure AC, Matouk C, Endres M, Sansing L, Woo D, Sheth KN. Intracerebral Hemorrhage with Intraventricular Extension Associated with Loss of Consciousness at Symptom Onset. *Neurocrit Care.* 2021 Oct;35(2):418–427. PMID: PMC8578176
143. Acosta JN, Leasure AC, Both CP, Szejko N, Brown S, Torres-Lopez V, Abdelhakim S, Schindler J, Petersen N, Sansing L, Gill TM, Sheth KN, Falcone GJ. Cardiovascular Health Disparities in Racial and Other Underrepresented Groups: Initial Results From the All of Us Research Program. *J Am Heart Assoc.* 2021 Sept 7;10(17):e021724. PMID: PMC8649271
144. Haider SP, Qureshi AI, Jain A, Tharmaseelan H, Berson ER, Zeevi T, Majidi S, Filippi CG, Iseke S, Gross M, Acosta JN, Malhotra A, Kim JA, Sansing LH, Falcone GJ, Sheth KN, Payabvash S. Admission computed tomography radiomic signatures outperform hematoma volume in predicting baseline clinical severity and functional outcome in the ATACH-2 trial intracerebral hemorrhage population. *Eur J Neurol.* 2021 Sept;28(9):2989–3000. PMID: PMC8818333
145. Mazurek MH, Cahn BA, Yuen MM, Prabhat AM, Chavva IR, Shah JT, Crawford AL, Welch EB, Rothberg J, Sacolick L, Poole M, Wira C, Matouk CC, Ward A, Timario N, Leasure A, Beekman R, Peng TJ, Witsch J, Antonios JP, Falcone GJ, Gobeske KT, Petersen N, Schindler J, Sansing L, Gilmore EJ, Hwang DY, Kim JA, Malhotra A, Sze G, Rosen MS, Kimberly WT, Sheth KN. Portable, bedside, low-field magnetic resonance imaging for evaluation of intracerebral hemorrhage. *Nat Commun.* 2021 Aug 25;12(1):5119. PMID: PMC8387402
146. Szejko N, Kirsch E, Falcone GJ. Genetic determinants of LDL cholesterol and risk of intracerebral haemorrhage. *Curr Opin Lipidol.* 2021 Aug 1;32(4):244–248. PMID: PMC10273781
147. Leasure AC, Acosta JN, Both C, Szejko N, Brown SC, Sheth KN, Falcone GJ. Stroke Disparities Among Nonracial Minorities in the All of Us Research Program. *Stroke.* 2021 Aug;52(8):e488–e490. PMID: PMC8316290

148. Cord BJ, Renedo D, Santarosa C, Sujjantararat N, Antonios J, Kim JA, Falcone GJ, Sheth KN, Malhotra A, Matouk CC. Vessel wall MRI in ruptured cranial dural arteriovenous fistulas. *Interv Neuroradiol J Peritherapeutic Neuroradiol Surg Proced Relat Neurosci*. 2021 Aug;27(4):553–557. PMID: PMC8580544
149. Ammar AA, Ammar MA, Owusu KA, Brown SC, Kaddouh F, Elsamadicy AA, Acosta JN, Falcone GJ. Andexanet Alfa Versus 4-Factor Prothrombin Complex Concentrate for Reversal of Factor Xa Inhibitors in Intracranial Hemorrhage. *Neurocrit Care*. 2021 Aug;35(1):255–261. PMID: PMC10273779
150. Cord BJ, Kodali S, Strander S, Silverman A, Wang A, Chouairi F, Koo AB, Nguyen CK, Peshwe K, Kimmel A, Porto CM, Hebert RM, Falcone GJ, Sheth KN, Sansing LH, Schindler JL, Matouk CC, Petersen NH. Direct carotid puncture for mechanical thrombectomy in acute ischemic stroke patients with prohibitive vascular access. *J Neurosurg*. 2021 July 1;135(1):53–63. PMID: PMC9491727
151. Pach JJ, Zubair AS, Traner C, Falcone GJ, Dewey JJ. Powassan Meningoencephalitis: A Case Report Highlighting Diagnosis and Management. *Cureus*. 2021 July;13(7):e16592. PMID: PMC8378285
152. Leasure AC, Khan YM, Iyer R, Elkind MSV, Sansing LH, Falcone GJ, Sheth KN. Intracerebral Hemorrhage in Patients With COVID-19: An Analysis From the COVID-19 Cardiovascular Disease Registry. *Stroke*. 2021 July;52(7):e321–e323. PMID: PMC8238884
153. Acosta JN, Leasure AC, Kuohn LR, Both CP, Petersen NH, Sansing LH, Matouk CC, Testai F, Langefeld CD, Woo D, Kamel H, Murthy SB, Qureshi A, Mayer SA, Sheth KN, Falcone GJ. Admission Hemoglobin Levels Are Associated With Functional Outcome in Spontaneous Intracerebral Hemorrhage. *Crit Care Med*. 2021 May 1;49(5):828–837. PMID: PMC8611893
154. Leasure AC, Kuohn LR, Vanent KN, Bevers MB, Kimberly WT, Steiner T, Mayer SA, Matouk CC, Sansing LH, Falcone GJ, Sheth KN. Association of Serum IL-6 (Interleukin 6) With Functional Outcome After Intracerebral Hemorrhage. *Stroke*. 2021 May;52(5):1733–1740. PMID: PMC8085132
155. Geer JH, Falcone GJ, Vanent KN, Leasure AC, Woo D, Molano JR, Sansing LH, Langefeld CD, Pisani MA, Yaggi HK, Sheth KN. Obstructive Sleep Apnea as a Risk Factor for Intracerebral Hemorrhage. *Stroke*. 2021 May;52(5):1835–1838. PMID: PMC8085039
156. Katsanos AH, Lioutas VA, Charidimou A, Catanese L, Ng KKH, Perera K, de Sa Boasquevisque D, Falcone GJ, Sheth KN, Romero JR, Tsivgoulis G, Smith EE, Sharma M, Selim MH, Shoamanesh A, International META-MICROBLEEDS Initiative. Statin treatment and cerebral microbleeds: A systematic review and meta-analysis. *J Neurol Sci*. 2021 Jan 15;420:117224. PMID: 33183779
157. Sharma R, Kuohn LR, Weinberger DM, Warren JL, Sansing LH, Jasne A, Falcone G, Dhand A, Sheth KN. Excess Cerebrovascular Mortality in the United States During the COVID-19 Pandemic. *Stroke*. 2021 Jan;52(2):563–572. PMID: PMC7834664
158. Murthy SB, Zhang C, Gupta A, Cho SM, Rivera-Lara L, Avadhani R, Gruber J, Iadecola C, Falcone GJ, Sheth KN, Qureshi AI, Goldstein JN, Hanley DF, Kamel H, Ziai WC. Diffusion-Weighted Imaging Lesions After Intracerebral Hemorrhage and Risk of Stroke: A MISTIE III and ATACH-2 Analysis. *Stroke*. 2021 Jan;52(2):595–602. PMID: PMC8340082

159. Acosta JN, Szejko N, Both CP, Vanent K, Noche RB, Gill TM, Matouk CC, Sheth KN, Gunel M, Falcone GJ. Genetically Determined Smoking Behavior and Risk of Nontraumatic Subarachnoid Hemorrhage. *Stroke*. 2021 Jan;52(2):582–587. PMID: PMC7856108
160. Peng TJ, Jasne AS, Simonov M, Abdelhakim S, Kone G, Cheng YK, Rethana M, Tarasaria K, Herman AL, Baker AD, Yaghi S, Frontera JA, Sansing LH, Falcone GJ, Spudich S, Schindler J, Sheth KN, Sharma R. Prior Stroke and Age Predict Acute Ischemic Stroke Among Hospitalized COVID-19 Patients: A Derivation and Validation Study. *Front Neurol*. 2021;12:741044. PMID: PMC8524436
161. Acosta JN, Szejko N, Falcone GJ. Mendelian Randomization in Stroke: A Powerful Approach to Causal Inference and Drug Target Validation. *Front Genet*. 2021;12:683082. PMID: PMC8387928
162. Brown SC, King ZA, Kuohn L, Kamel H, Gilmore EJ, Frontera JA, Murthy S, Kim JA, Omay SB, Falcone GJ, Sheth KN. Association of race and ethnicity to incident epilepsy, or epileptogenesis, after subdural hematoma. *Neurology*. 2020 Nov 24;95(21):e2890–e2899. PMID: PMC7734738
163. Kuohn LR, Leasure AC, Acosta JN, Vanent K, Murthy SB, Kamel H, Matouk CC, Sansing LH, Falcone GJ, Sheth KN. Cause of death in spontaneous intracerebral hemorrhage survivors: Multistate longitudinal study. *Neurology*. 2020 Nov 17;95(20):e2736–e2745. PMID: PMC7734723
164. Gendron TF, Badi MK, Heckman MG, Jansen-West KR, Vilanilam GK, Johnson PW, Burch AR, Walton RL, Ross OA, Brott TG, Miller TM, Berry JD, Nicholson KA, Wszolek ZK, Oskarsson BE, Sheth KN, Sansing LH, Falcone GJ, Cucchiara BL, Meschia JF, Petrucelli L. Plasma neurofilament light predicts mortality in patients with stroke. *Sci Transl Med*. 2020 Nov 11;12(569):eaay1913. PMID: PMC9534269
165. Murthy SB, Cho SM, Gupta A, Shoamanesh A, Navi BB, Avadhani R, Gruber J, Li Y, Greige T, Lioutas VA, Norton C, Zhang C, Mandava P, Iadecola C, Falcone GJ, Sheth KN, Biffi A, Rosand J, Qureshi AI, Goldstein JN, Kidwell C, Awad I, Selim M, Hanley DF, Woo D, Kamel H, Ziai WC. A Pooled Analysis of Diffusion-Weighted Imaging Lesions in Patients With Acute Intracerebral Hemorrhage. *JAMA Neurol*. 2020 Nov 1;77(11):1390–1397. PMID: PMC7372494
166. Murthy S, Roh DJ, Chatterjee A, McBee N, Parikh NS, Merkler AE, Navi BB, Falcone GJ, Sheth KN, Awad I, Hanley D, Kamel H, Ziai WC, CLEAR III, MISTIE III and VISTA-ICH Collaborators. Prior antiplatelet therapy and haematoma expansion after primary intracerebral haemorrhage: an individual patient-level analysis of CLEAR III, MISTIE III and VISTA-ICH. *J Neurol Neurosurg Psychiatry*. 2020 Oct 26;jnnp-2020-323458. PMID: PMC8071838
167. Sheth KN, Mazurek MH, Yuen MM, Cahn BA, Shah JT, Ward A, Kim JA, Gilmore EJ, Falcone GJ, Petersen N, Gobeske KT, Kaddouh F, Hwang DY, Schindler J, Sansing L, Matouk C, Rothberg J, Sze G, Siner J, Rosen MS, Spudich S, Kimberly WT. Assessment of Brain Injury Using Portable, Low-Field Magnetic Resonance Imaging at the Bedside of Critically Ill Patients. *JAMA Neurol*. 2020 Sept 8;78(1):41–47. PMID: PMC7489395
168. Jasne AS, Chojecka P, Maran I, Mageid R, Eldokmak M, Zhang Q, Nystrom K, Vlioks K, Askenase M, Petersen N, Falcone GJ, Wira CR, Lleva P, Zeevi N, Narula R, Amin H, Navaratnam D, Loomis C, Hwang DY, Schindler J, Hebert R, Matouk C, Krumholz HM, Spudich S, Sheth KN, Sansing LH, Sharma R. Stroke Code Presentations, Interventions, and Outcomes Before and During the COVID-19 Pandemic. *Stroke*. 2020 Sept;51(9):2664–2673. PMID: PMC7446978
169. Al-Dasuqi K, Payabvash S, Torres-Flores GA, Strander SM, Nguyen CK, Peshwe KU, Kodali S, Silverman A, Malhotra A, Johnson MH, Matouk CC, Schindler JL, Sansing LH, Falcone GJ, Sheth

- KN, Petersen NH. Effects of Collateral Status on Infarct Distribution Following Endovascular Therapy in Large Vessel Occlusion Stroke. *Stroke*. 2020 Sept;51(9):e193–e202. PMID: PMC7484023
170. Li Q, Warren AD, Qureshi AI, Morotti A, Falcone GJ, Sheth KN, Shoamanesh A, Dowlatshahi D, Viswanathan A, Goldstein JN. Ultra-Early Blood Pressure Reduction Attenuates Hematoma Growth and Improves Outcome in Intracerebral Hemorrhage. *Ann Neurol*. 2020 Aug;88(2):388–395. PMID: PMC8697414
171. Hong CS, Wang K, Falcone GJ. The CSF Diversion via Lumbar Drainage to Treat Dialysis Disequilibrium Syndrome in the Critically Ill Neurological Patient. *Neurocrit Care*. 2020 Aug;33(1):312–316. PMID: PMC7223300
172. Falcone GJ, Kirsch E, Acosta JN, Noche RB, Leasure A, Marini S, Chung J, Selim M, Meschia JF, Brown DL, Worrall BB, Tirschwell DL, Jagiella JM, Schmidt H, Jimenez-Conde J, Fernandez-Cadenas I, Lindgren A, Slowik A, Gill D, Holmes M, Phuah CL, Petersen NH, Matouk Md CN, Gunel M, Sansing L, Bennett D, Chen Z, Sun LL, Clarke R, Walters RG, Gill TM, Biffi A, Kathiresan S, Langefeld CD, Woo D, Rosand J, Sheth KN, Anderson CD, International Stroke Genetics Consortium. Genetically Elevated LDL Associates with Lower Risk of Intracerebral Hemorrhage. *Ann Neurol*. 2020 July;88(1):56–66. PMID: PMC7523882
173. Biffi A, Urday S, Kubiszewski P, Gilkerson L, Sekar P, Rodriguez-Torres A, Bettin M, Charidimou A, Pasi M, Kourkoulis C, Schwab K, DiPucchio Z, Behymer T, Osborne J, Morgan M, Moomaw CJ, James ML, Greenberg SM, Viswanathan A, Gurol ME, Worrall BB, Testai FD, McCauley JL, Falcone GJ, Langefeld CD, Anderson CD, Kamel H, Woo D, Sheth KN, Rosand J. Combining Imaging and Genetics to Predict Recurrence of Anticoagulation-Associated Intracerebral Hemorrhage. *Stroke*. 2020 July;51(7):2153–2160. PMID: PMC7311289
174. Kirsch E, Szejko N, Falcone GJ. Genetic underpinnings of cerebral edema in acute brain injury: an opportunity for pathway discovery. *Neurosci Lett*. 2020 June 21;730:135046. PMID: PMC7372633
175. Murthy SB, Wu X, Diaz I, Parasram M, Parikh NS, Iadecola C, Merkler AE, Falcone GJ, Brown S, Biffi A, Ch'ang J, Knopman J, Stieg PE, Navi BB, Sheth KN, Kamel H. Non-Traumatic Subdural Hemorrhage and Risk of Arterial Ischemic Events. *Stroke*. 2020 May;51(5):1464–1469. PMID: PMC7188584
176. Brown SC, Sheth KN, Falcone GJ. Anticoagulation after intracerebral hemorrhage: a perfect clinical scenario for genetics-based precision medicine. *Pharmacogenomics*. 2020 Apr;21(5):307–309. PMID: 32238090
177. Acosta JN, Brown SC, Falcone GJ. Genetic Variation and Response to Neurocritical Illness: a Powerful Approach to Identify Novel Pathophysiological Mechanisms and Therapeutic Targets. *Neurother J Am Soc Exp Neurother*. 2020 Apr;17(2):581–592. PMID: PMC7283396
178. Miyares LC, Falcone GJ, Leasure A, Adeoye O, Shi FD, Kittner SJ, Langefeld C, Vagal A, Sheth KN, Woo D. Race/ethnicity influences outcomes in young adults with supratentorial intracerebral hemorrhage. *Neurology*. 2020 Mar 24;94(12):e1271–e1280. PMID: PMC7274930
179. Petersen NH, Silverman A, Strander SM, Kodali S, Wang A, Sansing LH, Schindler JL, Falcone GJ, Gilmore EJ, Jasne AS, Cord B, Hebert RM, Johnson M, Matouk CC, Sheth KN. Fixed Compared With Autoregulation-Oriented Blood Pressure Thresholds After Mechanical Thrombectomy for Ischemic Stroke. *Stroke*. 2020 Mar;51(3):914–921. PMID: PMC7050651

180. Parikh NS, Kamel H, Navi BB, Iadecola C, Merkler AE, Jesudian A, Dawson J, Falcone GJ, Sheth KN, Roh DJ, Elkind MSV, Hanley DF, Ziai WC, Murthy SB, VISTA-ICH Collaborators. Liver Fibrosis Indices and Outcomes After Primary Intracerebral Hemorrhage. *Stroke*. 2020 Mar;51(3):830–837. PMID: PMC7048169
181. Payabvash S, Falcone GJ, Sze GK, Jain A, Beslow LA, Petersen NH, Sheth KN, Kimberly WT. Poor Outcomes Related to Anterior Extension of Large Hemispheric Infarction: Topographic Analysis of GAMES-RP Trial MRI Scans. *J Stroke Cerebrovasc Dis Off J Natl Stroke Assoc*. 2020 Feb;29(2):104488. PMID: PMC8820410
182. Lin J, Piran P, Lerario MP, Ong H, Gupta A, Murthy SB, Díaz I, Stieg PE, Knopman J, Falcone GJ, Sheth KN, Fink ME, Merkler AE, Kamel H. Differences in Admission Blood Pressure Among Causes of Intracerebral Hemorrhage. *Stroke*. 2020 Feb;51(2):644–647. PMID: PMC9578686
183. Dhar R, Falcone GJ, Chen Y, Hamzehloo A, Kirsch EP, Noche RB, Roth K, Acosta J, Ruiz A, Phuah CL, Woo D, Gill TM, Sheth KN, Lee JM. Deep Learning for Automated Measurement of Hemorrhage and Perihematomal Edema in Supratentorial Intracerebral Hemorrhage. *Stroke*. 2020 Feb;51(2):648–651. PMID: PMC6993878
184. Leasure AC, King ZA, Torres-Lopez V, Murthy SB, Kamel H, Shoamanesh A, Al-Shahi Salman R, Rosand J, Ziai WC, Hanley DF, Woo D, Matouk CC, Sansing LH, Falcone GJ, Sheth KN. Racial/ethnic disparities in the risk of intracerebral hemorrhage recurrence. *Neurology*. 2020 Jan 21;94(3):e314–e322. PMID: PMC7108806
185. Gusdon AM, Nyquist PA, Torres-Lopez VM, Leasure AC, Falcone GJ, Sheth KN, Sansing LH, Hanley DF, Malani R. Perihematomal Edema After Intracerebral Hemorrhage in Patients With Active Malignancy. *Stroke*. 2020 Jan;51(1):129–136. PMID: PMC7048624
186. Brown SC, Falcone GJ, Hebert RM, Yaghi S, Mac Grory B, Stretz C. Stenting for Acute Carotid Artery Dissection. *Stroke*. 2020 Jan;51(1):e3–e6. PMID: 31795908
187. Murthy SB, Biffi A, Falcone GJ, Sansing LH, Torres Lopez V, Navi BB, Roh DJ, Mandava P, Hanley DF, Ziai WC, Kamel H, Rosand J, Sheth KN, VISTA-ICH Steering Committee Collaborators. Antiplatelet Therapy After Spontaneous Intracerebral Hemorrhage and Functional Outcomes. *Stroke*. 2019 Nov;50(11):3057–3063. PMID: PMC6941441
188. Kuramatsu JB, Biffi A, Gerner ST, Sembill JA, Sprügel MI, Leasure A, Sansing L, Matouk C, Falcone GJ, Endres M, Haeusler KG, Sobesky J, Schurig J, Zweynert S, Bauer M, Vajkoczy P, Ringleb PA, Purrucker J, Rizos T, Volkmann J, Müllges W, Kraft P, Schubert AL, Erbguth F, Nueckel M, Schellinger PD, Glahn J, Knappe UJ, Fink GR, Dohmen C, Stetefeld H, Fisse AL, Minnerup J, Hagemann G, Rakers F, Reichmann H, Schneider H, Rahmig J, Ludolph AC, Stösser S, Neugebauer H, Röther J, Michels P, Schwarz M, Reimann G, Bänzner H, Schwert H, Claßen J, Michalski D, Grau A, Palm F, Urbanek C, Wöhrle JC, Alshammari F, Horn M, Bahner D, Witte OW, Günther A, Hamann GF, Hagen M, Roeder SS, Lücking H, Dörfler A, Testai FD, Woo D, Schwab S, Sheth KN, Huttner HB. Association of Surgical Hematoma Evacuation vs Conservative Treatment With Functional Outcome in Patients With Cerebellar Intracerebral Hemorrhage. *JAMA*. 2019 Oct 8;322(14):1392–1403. PMID: PMC6784768
189. Witsch J, Kuohn L, Hebert R, Cord B, Sansing L, Gilmore EJ, Hwang DY, Petersen N, Falcone GJ, Matouk C, Sheth KN. Early Prognostication of 1-Year Outcome After Subarachnoid Hemorrhage: The FRESH Score Validation. *J Stroke Cerebrovasc Dis Off J Natl Stroke Assoc*. 2019 Oct;28(10):104280. PMID: 31326270
190. Silverman A, Kodali S, Strander S, Gilmore EJ, Kimmel A, Wang A, Cord B, Falcone G, Hebert R, Matouk C, Sheth KN, Petersen NH. Deviation From Personalized Blood Pressure Targets Is

Associated With Worse Outcome After Subarachnoid Hemorrhage. *Stroke*. 2019 Oct;50(10):2729–2737. PMID: PMC6756936

191. Acosta JN, Brown SC, Falcone GJ. Genetic underpinnings of recovery after stroke: an opportunity for gene discovery, risk stratification, and precision medicine. *Genome Med*. 2019 Sept 13;11(1):58. PMID: PMC6743185
192. Leasure AC, Qureshi AI, Murthy SB, Kamel H, Goldstein JN, Woo D, Ziai WC, Hanley DF, Al-Shahi Salman R, Matouk CC, Sansing LH, Sheth KN, Falcone GJ. Association of Intensive Blood Pressure Reduction With Risk of Hematoma Expansion in Patients With Deep Intracerebral Hemorrhage. *JAMA Neurol*. 2019 Aug 1;76(8):949–955. PMID: PMC6515816
193. Leasure AC, Sheth KN, Comeau M, Aldridge C, Worrall BB, Vashkevich A, Rosand J, Langefeld C, Moomaw CJ, Woo D, Falcone GJ. Identification and Validation of Hematoma Volume Cutoffs in Spontaneous, Supratentorial Deep Intracerebral Hemorrhage. *Stroke*. 2019 Aug;50(8):2044–2049. PMID: PMC6646054
194. Leasure AC, Qureshi AI, Murthy SB, Kamel H, Goldstein JN, Walsh KB, Woo D, Shi FD, Huttner HB, Ziai WC, Hanley DF, Matouk CC, Sansing LH, Falcone GJ, Sheth KN. Intensive Blood Pressure Reduction and Perihematomal Edema Expansion in Deep Intracerebral Hemorrhage. *Stroke*. 2019 Aug;50(8):2016–2022. PMID: PMC6646091
195. Traylor M, Anderson CD, Rutten-Jacobs LCA, Falcone GJ, Comeau ME, Ay H, Sudlow CLM, Xu H, Mitchell BD, Cole JW, Rexrode K, Jimenez-Conde J, Schmidt R, Grewal RP, Sacco R, Ribases M, Rundek T, Rosand J, Dichgans M, Lee JM, Langefeld CD, Kittner SJ, Markus HS, Woo D, Malik R, NINDS Stroke Genetics Network (SiGN) and International Stroke Genetics Consortium (ISGC). Subtype Specificity of Genetic Loci Associated With Stroke in 16 664 Cases and 32 792 Controls. *Circ Genomic Precis Med*. 2019 July;12(7):e002338. PMID: PMC7477820
196. Petersen NH, Ortega-Gutierrez S, Wang A, Lopez GV, Strander S, Kodali S, Silverman A, Zheng-Lin B, Dandapat S, Sansing LH, Schindler JL, Falcone GJ, Gilmore EJ, Amin H, Cord B, Hebert RM, Matouk C, Sheth KN. Decreases in Blood Pressure During Thrombectomy Are Associated With Larger Infarct Volumes and Worse Functional Outcome. *Stroke*. 2019 July;50(7):1797–1804. PMID: PMC6787912
197. Malik R, Chauhan G, Traylor M, Sargurupremraj M, Okada Y, Mishra A, Rutten-Jacobs L, Giese AK, van der Laan SW, Gretarsdottir S, Anderson CD, Chong M, Adams HHH, Ago T, Almgren P, Amouyel P, Ay H, Bartz TM, Benavente OR, Bevan S, Boncoraglio GB, Brown RD, Butterworth AS, Carrera C, Carty CL, Chasman DI, Chen WM, Cole JW, Correa A, Cotlarciuc I, Cruchaga C, Danesh J, de Bakker PIW, DeStefano AL, den Hoed M, Duan Q, Engelter ST, Falcone GJ, Gottesman RF, Grewal RP, Gudnason V, Gustafsson S, Haessler J, Harris TB, Hassan A, Havulinna AS, Heckbert SR, Holliday EG, Howard G, Hsu FC, Hyacinth HI, Ikram MA, Ingelsson E, Irvin MR, Jian X, Jiménez-Conde J, Johnson JA, Jukema JW, Kanai M, Keene KL, Kissela BM, Kleindorfer DO, Kooperberg C, Kubo M, Lange LA, Langefeld CD, Langenberg C, Launer LJ, Lee JM, Lemmens R, Leys D, Lewis CM, Lin WY, Lindgren AG, Lorentzen E, Magnusson PK, Maguire J, Manichaikul A, McArdle PF, Meschia JF, Mitchell BD, Mosley TH, Nalls MA, Ninomiya T, O'Donnell MJ, Psaty BM, Pulit SL, Rannikmäe K, Reiner AP, Rexrode KM, Rice K, Rich SS, Ridker PM, Rost NS, Rothwell PM, Rotter JI, Rundek T, Sacco RL, Sakaue S, Sale MM, Salomaa V, Sapkota BR, Schmidt R, Schmidt CO, Schminke U, Sharma P, Slowik A, Sudlow CLM, Tanislav C, Tatlisumak T, Taylor KD, Thijs VNS, Thorleifsson G, Thorsteinsdottir U, Tiedt S, Trompet S, Tzourio C, van Duijn CM, Walters M, Wareham NJ, Wassertheil-Smoller S, Wilson JG, Wiggins KL, Yang Q, Yusuf S, AFGen Consortium, Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium, International Genomics of Blood Pressure

(iGEN-BP) Consortium, INVENT Consortium, STARNET, Bis JC, Pastinen T, Ruusalepp A, Schadt EE, Koplev S, Björkegren JLM, Codoni V, Civelek M, Smith NL, Trégouët DA, Christophersen IE, Roselli C, Lubitz SA, Ellinor PT, Tai ES, Kooner JS, Kato N, He J, van der Harst P, Elliott P, Chambers JC, Takeuchi F, Johnson AD, BioBank Japan Cooperative Hospital Group, COMPASS Consortium, EPIC-CVD Consortium, EPIC-InterAct Consortium, International Stroke Genetics Consortium (ISGC), METASTROKE Consortium, Neurology Working Group of the CHARGE Consortium, NINDS Stroke Genetics Network (SiGN), UK Young Lacunar DNA Study, MEGASTROKE Consortium, Sanghera DK, Melander O, Jern C, Strbian D, Fernandez-Cadenas I, Longstreth WT, Rolfs A, Hata J, Woo D, Rosand J, Pare G, Hopewell JC, Saleheen D, Stefansson K, Worrall BB, Kittner SJ, Seshadri S, Fornage M, Markus HS, Howson JMM, Kamatani Y, Debette S, Dichgans M. Publisher Correction: Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. *Nat Genet.* 2019 July;51(7):1192–1193. PMID: 31160810

198. George BP, Falcone GJ. One Step Closer to Precision Medicine Strategies Based on Genetic Information: ABCB1 Polymorphisms in the CHANCE Trial. *JAMA Neurol.* 2019 May 1;76(5):523–525. PMID: 30742212
199. Marini S, Crawford K, Morotti A, Lee MJ, Pezzini A, Moomaw CJ, Flaherty ML, Montaner J, Roquer J, Jimenez-Conde J, Giralt-Steinhauer E, Elosua R, Cuadrado-Godia E, Soriano-Tarraga C, Slowik A, Jagiella JM, Pera J, Urbanik A, Pichler A, Hansen BM, McCauley JL, Tirschwell DL, Selim M, Brown DL, Silliman SL, Worrall BB, Meschia JF, Kidwell CS, Testai FD, Kittner SJ, Schmidt H, Enzinger C, Deary IJ, Rannikmae K, Samarasekera N, Al-Shahi Salman R, Sudlow CL, Klijn CJM, van Nieuwenhuizen KM, Fernandez-Cadenas I, Delgado P, Norrving B, Lindgren A, Goldstein JN, Viswanathan A, Greenberg SM, Falcone GJ, Biffi A, Langefeld CD, Woo D, Rosand J, Anderson CD, International Stroke Genetics Consortium. Association of Apolipoprotein E With Intracerebral Hemorrhage Risk by Race/Ethnicity: A Meta-analysis. *JAMA Neurol.* 2019 Apr 1;76(4):480–491. PMID: 30645913
200. Larsson SC, Traylor M, Burgess S, Boncoraglio GB, Jern C, Michaëlsson K, Markus HS, MEGASTROKE project of the International Stroke Genetics Consortium. Serum magnesium and calcium levels in relation to ischemic stroke: Mendelian randomization study. *Neurology.* 2019 Feb 26;92(9):e944–e950. PMID: 30640465
201. Chauhan G, Adams HHH, Satizabal CL, Bis JC, Teumer A, Sargurupremraj M, Hofer E, Trompet S, Hilal S, Smith AV, Jian X, Malik R, Traylor M, Pulit SL, Amouyel P, Mazoyer B, Zhu YC, Kaffashian S, Schilling S, Beecham GW, Montine TJ, Schellenberg GD, Kjarntansson O, Gudnason V, Knopman DS, Griswold ME, Windham BG, Gottesman RF, Mosley TH, Schmidt R, Saba Y, Schmidt H, Takeuchi F, Yamaguchi S, Nabika T, Kato N, Rajan KB, Aggarwal NT, De Jager PL, Evans DA, Psaty BM, Rotter JI, Rice K, Lopez OL, Liao J, Chen C, Cheng CY, Wong TY, Ikram MK, van der Lee SJ, Amin N, Chouraki V, DeStefano AL, Aparicio HJ, Romero JR, Maillard P, DeCarli C, Wardlaw JM, Hernández MDCV, Luciano M, Liewald D, Deary IJ, Starr JM, Bastin ME, Muñoz Maniega S, Slagboom PE, Beekman M, Deelen J, Uh HW, Lemmens R, Brodaty H, Wright MJ, Ames D, Boncoraglio GB, Hopewell JC, Beecham AH, Blanton SH, Wright CB, Sacco RL, Wen W, Thalamuthu A, Armstrong NJ, Chong E, Schofield PR, Kwok JB, van der Grond J, Stott DJ, Ford I, Jukema JW, Vernooij MW, Hofman A, Uitterlinden AG, van der Lugt A, Wittfeld K, Grabe HJ, Hosten N, von Sarnowski B, Völker U, Levi C, Jimenez-Conde J, Sharma P, Sudlow CLM, Rosand J, Woo D, Cole JW, Meschia JF, Slowik A, Thijs V, Lindgren A, Melander O, Grewal RP, Rundek T, Rexrode K, Rothwell PM, Arnett DK, Jern C, Johnson JA, Benavente OR, Wassertheil-Smoller S, Lee JM, Wong Q, Mitchell BD, Rich SS, McArdle PF, Geerlings MI, van der Graaf Y, de Bakker PIW, Asselbergs FW, Srikanth V, Thomson R,

McWhirter R, Moran C, Callisaya M, Phan T, Rutten-Jacobs LCA, Bevan S, Tzourio C, Mather KA, Sachdev PS, van Duijn CM, Worrall BB, Dichgans M, Kittner SJ, Markus HS, Ikram MA, Fornage M, Launer LJ, Seshadri S, Longstreth WT, Debette S, Stroke Genetics Network (SiGN), the International Stroke Genetics Consortium (ISGC), METASTROKE, Alzheimer's Disease Genetics Consortium (ADGC), and the Neurology Working Group of the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium. Genetic and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting. *Neurology*. 2019 Jan 28;92(5):e486–e503. PMID: PMC6369905

202. Franceschini N, Giambartolomei C, de Vries PS, Finan C, Bis JC, Huntley RP, Loring RC, Tajuddin SM, Winkler TW, Graff M, Kavousi M, Dale C, Smith AV, Hofer E, van Leeuwen EM, Nolte IM, Lu L, Scholz M, Sargurupremraj M, Pitkänen N, Franzén O, Joshi PK, Noordam R, Marioni RE, Hwang SJ, Musani SK, Schminke U, Palmas W, Isaacs A, Correa A, Zonderman AB, Hofman A, Teumer A, Cox AJ, Uitterlinden AG, Wong A, Smit AJ, Newman AB, Britton A, Ruusalepp A, Sennblad B, Hedblad B, Pasaniuc B, Penninx BW, Langefeld CD, Wassel CL, Tzourio C, Fava C, Baldassarre D, O'Leary DH, Teupser D, Kuh D, Tremoli E, Mannarino E, Grossi E, Boerwinkle E, Schadt EE, Ingelsson E, Veglia F, Rivadeneira F, Beutner F, Chauhan G, Heiss G, Snieder H, Campbell H, Völzke H, Markus HS, Deary IJ, Jukema JW, de Graaf J, Price J, Pott J, Hopewell JC, Liang J, Thiery J, Engmann J, Gertow K, Rice K, Taylor KD, Dhana K, Kiemeny LALM, Lind L, Raffield LM, Launer LJ, Holdt LM, Dörr M, Dichgans M, Traylor M, Sitzer M, Kumari M, Kivimaki M, Nalls MA, Melander O, Raitakari O, Franco OH, Rueda-Ochoa OL, Roussos P, Whincup PH, Amouyel P, Giral P, Anugu P, Wong Q, Malik R, Rauramaa R, Burkhardt R, Hardy R, Schmidt R, de Mutsert R, Morris RW, Strawbridge RJ, Wannamethee SG, Hägg S, Shah S, McLachlan S, Trompet S, Seshadri S, Kurl S, Heckbert SR, Ring S, Harris TB, Lehtimäki T, Galesloot TE, Shah T, de Faire U, Plagnol V, Rosamond WD, Post W, Zhu X, Zhang X, Guo X, Saba Y, MEGASTROKE Consortium, Dehghan A, Seldenrijk A, Morrison AC, Hamsten A, Psaty BM, van Duijn CM, Lawlor DA, Mook-Kanamori DO, Bowden DW, Schmidt H, Wilson JF, Wilson JG, Rotter JJ, Wardlaw JM, Deanfield J, Halcox J, Lyytikäinen LP, Loeffler M, Evans MK, Debette S, Humphries SE, Völker U, Gudnason V, Hingorani AD, Björkegren JLM, Casas JP, O'Donnell CJ. GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes. *Nat Commun*. 2018 Dec 3;9(1):5141. PMID: PMC6277418
203. Ormseth CH, Falcone GJ, Jasak SD, Mampre DM, Leasure AC, Miyares LC, Hwang DY, James ML, Testai FD, Becker KJ, Tirschwell DL, Langefeld CD, Woo D, Sheth KN. Minority Patients are Less Likely to Undergo Withdrawal of Care After Spontaneous Intracerebral Hemorrhage. *Neurocrit Care*. 2018 Dec;29(3):419–425. PMID: PMC6286261
204. Subramanian HE, Mahajan A, Sommaruga S, Falcone GJ, Kahle KT, Matouk CC. The Subjective Experience of Patients Undergoing Shunt Surgery for Idiopathic Normal Pressure Hydrocephalus. *World Neurosurg*. 2018 Nov;119:e46–e52. PMID: 29981467
205. Murphy MP, Kuramatsu JB, Leasure A, Falcone GJ, Kamel H, Sansing LH, Kourkoulis C, Schwab K, Elm JJ, Gurol ME, Tran H, Greenberg SM, Viswanathan A, Anderson CD, Schwab S, Rosand J, Shi FD, Kittner SJ, Testai FD, Woo D, Langefeld CD, James ML, Koch S, Huttner HB, Biffi A, Sheth KN. Cardioembolic Stroke Risk and Recovery After Anticoagulation-Related Intracerebral Hemorrhage. *Stroke*. 2018 Nov;49(11):2652–2658. PMID: PMC6211810
206. Falcone GJ, Gurol ME. Cholesterol levels, statins, and spontaneous intracerebral hemorrhage: An interesting but complicated story. *Neurology*. 2018 July 31;91(5):197–198. PMID: 29970403

207. Marini S, Devan WJ, Radmanesh F, Miyares L, Poterba T, Hansen BM, Norrving B, Jimenez-Conde J, Giralt-Steinhauer E, Elosua R, Cuadrado-Godia E, Soriano C, Roquer J, Kourkoulis CE, Ayres AM, Schwab K, Tirschwell DL, Selim M, Brown DL, Silliman SL, Worrall BB, Meschia JF, Kidwell CS, Montaner J, Fernandez-Cadenas I, Delgado P, Greenberg SM, Lindgren A, Matouk C, Sheth KN, Woo D, Anderson CD, Rosand J, Falcone GJ, International Stroke Genetics Consortium. 17p12 Influences Hematoma Volume and Outcome in Spontaneous Intracerebral Hemorrhage. *Stroke*. 2018 July;49(7):1618–1625. PMID: PMC6085089
208. Brainstorm Consortium, Anttila V, Bulik-Sullivan B, Finucane HK, Walters RK, Bras J, Duncan L, Escott-Price V, Falcone GJ, Gormley P, Malik R, Patsopoulos NA, Ripke S, Wei Z, Yu D, Lee PH, Turley P, Grenier-Boley B, Chouraki V, Kamatani Y, Berr C, Letenneur L, Hannequin D, Amouyel P, Boland A, Deleuze JF, Duron E, Vardarajan BN, Reitz C, Goate AM, Huentelman MJ, Kamboh MI, Larson EB, Rogaeva E, St George-Hyslop P, Hakonarson H, Kukull WA, Farrer LA, Barnes LL, Beach TG, Demirci FY, Head E, Hulette CM, Jicha GA, Kauwe JSK, Kaye JA, Leverenz JB, Levey AI, Lieberman AP, Pankratz VS, Poon WW, Quinn JF, Saykin AJ, Schneider LS, Smith AG, Sonnen JA, Stern RA, Van Deerlin VM, Van Eldik LJ, Harold D, Russo G, Rubinsztein DC, Bayer A, Tsolaki M, Proitsi P, Fox NC, Hampel H, Owen MJ, Mead S, Passmore P, Morgan K, Nöthen MM, Rossor M, Lupton MK, Hoffmann P, Kornhuber J, Lawlor B, McQuillin A, Al-Chalabi A, Bis JC, Ruiz A, Boada M, Seshadri S, Beiser A, Rice K, van der Lee SJ, De Jager PL, Geschwind DH, Riemenschneider M, Riedel-Heller S, Rotter JI, Ransmayr G, Hyman BT, Cruchaga C, Alegret M, Winsvold B, Palta P, Farh KH, Cuenca-Leon E, Furlotte N, Kurth T, Ligthart L, Terwindt GM, Freilinger T, Ran C, Gordon SD, Borck G, Adams HHH, Lehtimäki T, Wedenoja J, Buring JE, Schürks M, Hrafnisdottir M, Hottenga JJ, Penninx B, Artto V, Kaunisto M, Vepsäläinen S, Martin NG, Montgomery GW, Kurki MI, Hämäläinen E, Huang H, Huang J, Sandor C, Webber C, Muller-Myhsok B, Schreiber S, Salomaa V, Loehrer E, Göbel H, Macaya A, Pozo-Rosich P, Hansen T, Werge T, Kaprio J, Metspalu A, Kubisch C, Ferrari MD, Belin AC, van den Maagdenberg AMJM, Zwart JA, Boomsma D, Eriksson N, Olesen J, Chasman DI, Nyholt DR, Avbersek A, Baum L, Berkovic S, Bradfield J, Buono RJ, Catarino CB, Cossette P, De Jonghe P, Depondt C, Dlugos D, Ferraro TN, French J, Hjalgrim H, Jamnadas-Khoda J, Kälviäinen R, Kunz WS, Lerche H, Leu C, Lindhout D, Lo W, Lowenstein D, McCormack M, Møller RS, Molloy A, Ng PW, Oliver K, Privitera M, Radtke R, Ruppert AK, Sander T, Schachter S, Schankin C, Scheffer I, Schoch S, Sisodiya SM, Smith P, Sperling M, Striano P, Surges R, Thomas GN, Visscher F, Whelan CD, Zara F, Heinzen EL, Marson A, Becker F, Stroink H, Zimprich F, Gasser T, Gibbs R, Heutink P, Martinez M, Morris HR, Sharma M, Ryten M, Mok KY, Pulit S, Bevan S, Holliday E, Attia J, Battey T, Boncoraglio G, Thijs V, Chen WM, Mitchell B, Rothwell P, Sharma P, Sudlow C, Vicente A, Markus H, Kourkoulis C, Pera J, Raffeld M, Silliman S, Boraska Perica V, Thornton LM, Huckins LM, William Rayner N, Lewis CM, Gratacos M, Rybakowski F, Keski-Rahkonen A, Raevuori A, Hudson JI, Reichborn-Kjennerud T, Monteleone P, Karwautz A, Mannik K, Baker JH, O’Toole JK, Trace SE, Davis OSP, Helder SG, Ehrlich S, Herpertz-Dahlmann B, Danner UN, van Elburg AA, Clementi M, Forzan M, Docampo E, Lissowska J, Hauser J, Tortorella A, Maj M, Gonidakis F, Tziouvas K, Papezova H, Yilmaz Z, Wagner G, Cohen-Woods S, Herms S, Julià A, Rabionet R, Dick DM, Ripatti S, Andreassen OA, Espeseth T, Lundervold AJ, Steen VM, Pinto D, Scherer SW, Aschauer H, Schosser A, Alfredsson L, Padyukov L, Halmi KA, Mitchell J, Strober M, Bergen AW, Kaye W, Szatkiewicz JP, Cormand B, Ramos-Quiroga JA, Sánchez-Mora C, Ribasés M, Casas M, Hervas A, Arranz MJ, Haavik J, Zayats T, Johansson S, Williams N, Dempfle A, Rothenberger A, Kuntsi J, Oades RD, Banaschewski T, Franke B, Buitelaar JK, Arias Vasquez A, Doyle AE, Reif A, Lesch KP, Freitag C, Rivero O, Palmason H, Romanos M, Langley K, Rietschel M, Witt SH, Dalsgaard S, Børglum AD, Waldman I, Wilmot B, Molly N, Bau CHD, Crosbie J, Schachar R, Loo SK, McGough JJ, Grevet EH, Medland SE, Robinson E, Weiss LA, Bacchelli E, Bailey A, Bal V, Battaglia A,

Betancur C, Bolton P, Cantor R, Celestino-Soper P, Dawson G, De Rubeis S, Duque F, Green A, Klauck SM, Leboyer M, Levitt P, Maestrini E, Mane S, De-Luca DM, Parr J, Regan R, Reichenberg A, Sandin S, Vorstman J, Wassink T, Wijsman E, Cook E, Santangelo S, Delorme R, Rogé B, Magalhaes T, Arking D, Schulze TG, Thompson RC, Strohmaier J, Matthews K, Melle I, Morris D, Blackwood D, McIntosh A, Bergen SE, Schalling M, Jamain S, Maaser A, Fischer SB, Reinbold CS, Fullerton JM, Guzman-Parra J, Mayoral F, Schofield PR, Cichon S, Mühleisen TW, Degenhardt F, Schumacher J, Bauer M, Mitchell PB, Gershon ES, Rice J, Potash JB, Zandi PP, Craddock N, Ferrier IN, Alda M, Rouleau GA, Turecki G, Ophoff R, Pato C, Anjorin A, Stahl E, Leber M, Czerski PM, Cruceanu C, Jones IR, Posthuma D, Andlauer TFM, Forstner AJ, Streit F, Baune BT, Air T, Sinnamon G, Wray NR, MacIntyre DJ, Porteous D, Homuth G, Rivera M, Grove J, Middeldorp CM, Hickie I, Pergadia M, Mehta D, Smit JH, Jansen R, de Geus E, Dunn E, Li QS, Nauck M, Schoevers RA, Beekman AT, Knowles JA, Viktorin A, Arnold P, Barr CL, Bedoya-Berrio G, Bienvenu OJ, Brentani H, Burton C, Camarena B, Cappi C, Cath D, Cavallini M, Cusi D, Darrow S, Denys D, Derks EM, Dietrich A, Fernandez T, Figeo M, Freimer N, Gerber G, Grados M, Greenberg E, Hanna GL, Hartmann A, Hirschtritt ME, Hoekstra PJ, Huang A, Huyser C, Illmann C, Jenike M, Kuperman S, Leventhal B, Lochner C, Lyon GJ, Macciardi F, Madruga-Garrido M, Malaty IA, Maras A, McGrath L, Miguel EC, Mir P, Nestadt G, Nicolini H, Okun MS, Pakstis A, Paschou P, Piacentini J, Pittenger C, Plessen K, Ramensky V, Ramos EM, Reus V, Richter MA, Riddle MA, Robertson MM, Roessner V, Rosário M, Samuels JF, Sandor P, Stein DJ, Tsetsos F, Van Nieuwerburgh F, Weatherall S, Wendland JR, Wolanczyk T, Worbe Y, Zai G, Goes FS, McLaughlin N, Nestadt PS, Grabe HJ, Depienne C, Konkashbaev A, Lanzagorta N, Valencia-Duarte A, Bramon E, Buccola N, Cahn W, Cairns M, Chong SA, Cohen D, Crespo-Facorro B, Crowley J, Davidson M, DeLisi L, Dinan T, Donohoe G, Drapeau E, Duan J, Haan L, Hougaard D, Karachanak-Yankova S, Khrunin A, Klovins J, Kučinskas V, Lee Chee Keong J, Limborska S, Loughland C, Lönnqvist J, Maher B, Mattheisen M, McDonald C, Murphy KC, Nenadic I, van Os J, Pantelis C, Pato M, Petryshen T, Quested D, Roussos P, Sanders AR, Schall U, Schwab SG, Sim K, So HC, Stögmann E, Subramaniam M, Toncheva D, Waddington J, Walters J, Weiser M, Cheng W, Cloninger R, Curtis D, Gejman PV, Henskens F, Mattingsdal M, Oh SY, Scott R, Webb B, Breen G, Churchhouse C, Bulik CM, Daly M, Dichgans M, Faraone SV, Guerreiro R, Holmans P, Kendler KS, Koeleman B, Mathews CA, Price A, Scharf J, Sklar P, Williams J, Wood NW, Cotsapas C, Palotie A, Smoller JW, Sullivan P, Rosand J, Corvin A, Neale BM, Schott JM, Anney R, Elia J, Grigoriou-Serbanescu M, Edenberg HJ, Murray R. Analysis of shared heritability in common disorders of the brain. *Science*. New York, N.Y.; 2018 June 22;360(6395):eaap8757. PMID: PMC6097237

209. Malik R, Chauhan G, Traylor M, Sargurupremraj M, Okada Y, Mishra A, Rutten-Jacobs L, Giese AK, van der Laan SW, Gretarsdottir S, Anderson CD, Chong M, Adams HHH, Ago T, Almgren P, Amouyel P, Ay H, Bartz TM, Benavente OR, Bevan S, Boncoraglio GB, Brown RD, Butterworth AS, Carrera C, Carty CL, Chasman DI, Chen WM, Cole JW, Correa A, Cotlarciuc I, Cruchaga C, Danesh J, de Bakker PIW, DeStefano AL, den Hoed M, Duan Q, Engelter ST, Falcone GJ, Gottesman RF, Grewal RP, Gudnason V, Gustafsson S, Haessler J, Harris TB, Hassan A, Havulinna AS, Heckbert SR, Holliday EG, Howard G, Hsu FC, Hyacinth HI, Ikram MA, Ingelsson E, Irvin MR, Jian X, Jiménez-Conde J, Johnson JA, Jukema JW, Kanai M, Keene KL, Kissela BM, Kleindorfer DO, Kooperberg C, Kubo M, Lange LA, Langefeld CD, Langenberg C, Launer LJ, Lee JM, Lemmens R, Leys D, Lewis CM, Lin WY, Lindgren AG, Lorentzen E, Magnusson PK, Maguire J, Manichaikul A, McArdle PF, Meschia JF, Mitchell BD, Mosley TH, Nalls MA, Ninomiya T, O'Donnell MJ, Psaty BM, Pulit SL, Rannikmäe K, Reiner AP, Rexrode KM, Rice K, Rich SS, Ridker PM, Rost NS, Rothwell PM, Rotter JI, Rundek T, Sacco RL, Sakaue S, Sale MM, Salomaa V, Sapkota BR, Schmidt R, Schmidt CO, Schminke U, Sharma P, Slowik A, Sudlow CLM, Tanislav C, Tatlisumak T, Taylor KD, Thijs VNS, Thorleifsson G, Thorsteinsdottir U, Tiedt

S, Trompet S, Tzourio C, van Duijn CM, Walters M, Wareham NJ, Wassertheil-Smoller S, Wilson JG, Wiggins KL, Yang Q, Yusuf S, AFGen Consortium, Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium, International Genomics of Blood Pressure (iGEN-BP) Consortium, INVENT Consortium, STARNET, Bis JC, Pastinen T, Ruusalepp A, Schadt EE, Koplev S, Björkegren JLM, Codoni V, Civelek M, Smith NL, Trégouët DA, Christophersen IE, Roselli C, Lubitz SA, Ellinor PT, Tai ES, Kooner JS, Kato N, He J, van der Harst P, Elliott P, Chambers JC, Takeuchi F, Johnson AD, BioBank Japan Cooperative Hospital Group, COMPASS Consortium, EPIC-CVD Consortium, EPIC-InterAct Consortium, International Stroke Genetics Consortium (ISGC), METASTROKE Consortium, Neurology Working Group of the CHARGE Consortium, NINDS Stroke Genetics Network (SiGN), UK Young Lacunar DNA Study, MEGASTROKE Consortium, Sanghera DK, Melander O, Jern C, Strbian D, Fernandez-Cadenas I, Longstreth WT, Rolfs A, Hata J, Woo D, Rosand J, Pare G, Hopewell JC, Saleheen D, Stefansson K, Worrall BB, Kittner SJ, Seshadri S, Fornage M, Markus HS, Howson JMM, Kamatani Y, Debette S, Dichgans M. Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. *Nat Genet.* 2018 Apr;50(4):524–537. PMID: PMC5968830

210. Crawford KM, Gallego-Fabrega C, Kourkoulis C, Miyares L, Marini S, Flannick J, Burt NP, von Grotthuss M, Alexander B, Costanzo MC, Vaishnav NH, Malik R, Hall JL, Chong M, Rosand J, Falcone GJ, International Stroke Genetics Consortium. Cerebrovascular Disease Knowledge Portal: An Open-Access Data Resource to Accelerate Genomic Discoveries in Stroke. *Stroke.* 2018 Feb;49(2):470–475. PMID: PMC5780219
211. Falcone GJ, Woo D. Genetics of Spontaneous Intracerebral Hemorrhage. *Stroke.* 2017 Dec;48(12):3420–3424. PMID: PMC5777521
212. Rannikmäe K, Sivakumaran V, Millar H, Malik R, Anderson CD, Chong M, Dave T, Falcone GJ, Fernandez-Cadenas I, Jimenez-Conde J, Lindgren A, Montaner J, O'Donnell M, Paré G, Radmanesh F, Rost NS, Slowik A, Söderholm M, Traylor M, Pulit SL, Seshadri S, Worrall BB, Woo D, Markus HS, Mitchell BD, Dichgans M, Rosand J, Sudlow CLM, Stroke Genetics Network (SiGN), METASTROKE Collaboration, and International Stroke Genetics Consortium (ISGC). COL4A2 is associated with lacunar ischemic stroke and deep ICH: Meta-analyses among 21,500 cases and 40,600 controls. *Neurology.* 2017 Oct 24;89(17):1829–1839. PMID: PMC5664302
213. Roongpiboonsopit D, Charidimou A, Williams CM, Lauer A, Falcone GJ, Martinez-Ramirez S, Biffi A, Ayres A, Vashkevich A, Awosika OO, Rosand J, Gurol ME, Silverman SB, Greenberg SM, Viswanathan A. Cortical superficial siderosis predicts early recurrent lobar hemorrhage. *Neurology.* 2016 Nov 1;87(18):1863–1870. PMID: PMC5100711
214. Anderson CD, Falcone GJ, Phuah CL, Radmanesh F, Brouwers HB, Battey TWK, Biffi A, Peloso GM, Liu DJ, Ayres AM, Goldstein JN, Viswanathan A, Greenberg SM, Selim M, Meschia JF, Brown DL, Worrall BB, Silliman SL, Tirschwell DL, Flaherty ML, Kraft P, Jagiella JM, Schmidt H, Hansen BM, Jimenez-Conde J, Giralt-Steinhauer E, Elosua R, Cuadrado-Godia E, Soriano C, van Nieuwenhuizen KM, Klijn CJM, Rannikmäe K, Samarasekera N, Al-Shahi Salman R, Sudlow CL, Deary IJ, Morotti A, Pezzini A, Pera J, Urbanik A, Pichler A, Enzinger C, Norrving B, Montaner J, Fernandez-Cadenas I, Delgado P, Roquer J, Lindgren A, Slowik A, Schmidt R, Kidwell CS, Kittner SJ, Waddy SP, Langefeld CD, Abecasis G, Willer CJ, Kathiresan S, Woo D, Rosand J, Global Lipids Genetics Consortium and International Stroke Genetics Consortium. Genetic variants in CETP increase risk of intracerebral hemorrhage. *Ann Neurol.* 2016 Nov;80(5):730–740. PMID: PMC5115931

215. Morotti A, Jessel MJ, Brouwers HB, Falcone GJ, Schwab K, Ayres AM, Vashkevich A, Anderson CD, Viswanathan A, Greenberg SM, Gurool ME, Romero JM, Rosand J, Goldstein JN. CT Angiography Spot Sign, Hematoma Expansion, and Outcome in Primary Pontine Intracerebral Hemorrhage. *Neurocrit Care*. 2016 Aug;25(1):79–85. PMID: PMC4940347
216. Falcone GJ, Rosand J. Genetic Determinants of Risk, Severity, and Outcome in Intracerebral Hemorrhage. *Semin Neurol*. 2016 June;36(3):298–305. PMID: 27214705
217. Malik R, Traylor M, Pulit SL, Bevan S, Hopewell JC, Holliday EG, Zhao W, Abrantes P, Amouyel P, Attia JR, Battey TWK, Berger K, Boncoraglio GB, Chauhan G, Cheng YC, Chen WM, Clarke R, Cotlarciuc I, Debette S, Falcone GJ, Ferro JM, Gamble DM, Ilinca A, Kittner SJ, Kourkoulis CE, Lemmens R, Levi CR, Lichtner P, Lindgren A, Liu J, Meschia JF, Mitchell BD, Oliveira SA, Pera J, Reiner AP, Rothwell PM, Sharma P, Slowik A, Sudlow CLM, Tatlisumak T, Thijs V, Vicente AM, Woo D, Seshadri S, Saleheen D, Rosand J, Markus HS, Worrall BB, Dichgans M, ISGC Analysis Group, METASTROKE collaboration, Wellcome Trust Case Control Consortium 2 (WTCCC2), NINDS Stroke Genetics Network (SiGN). Low-frequency and common genetic variation in ischemic stroke: The METASTROKE collaboration. *Neurology*. 2016 Mar 29;86(13):1217–1226. PMID: PMC4818561
218. Hirsch JA, Falcone GJ, Brook AL, Fiorella D, Gonzalez RG, Leslie-Mazwi TM. Stroke is ascendant: is it time for TIC1 to be more than just a score? *J Neurointerventional Surg*. 2016 Mar;8(3):221–223. PMID: 26658463
219. Traylor M, Zhang CR, Adib-Samii P, Devan WJ, Parsons OE, Lanfranconi S, Gregory S, Cloonan L, Falcone GJ, Radmanesh F, Fitzpatrick K, Kanakis A, Barrick TR, Moynihan B, Lewis CM, Boncoraglio GB, Lemmens R, Thijs V, Sudlow C, Wardlaw J, Rothwell PM, Meschia JF, Worrall BB, Levi C, Bevan S, Furie KL, Dichgans M, Rosand J, Markus HS, Rost N, International Stroke Genetics Consortium. Genome-wide meta-analysis of cerebral white matter hyperintensities in patients with stroke. *Neurology*. 2016 Jan 12;86(2):146–153. PMID: PMC4731688
220. Leslie-Mazwi TM, Hirsch JA, Falcone GJ, Schaefer PW, Lev MH, Rabinov JD, Rost NS, Schwamm L, González RG. Endovascular Stroke Treatment Outcomes After Patient Selection Based on Magnetic Resonance Imaging and Clinical Criteria. *JAMA Neurol*. 2016 Jan;73(1):43–49. PMID: 26524074
221. Jick SS, Li L, Falcone GJ, Vassilev ZP, Wallander MA. Epidemiology of multiple sclerosis: results from a large observational study in the UK. *J Neurol*. 2015 Sept;262(9):2033–2041. PMID: PMC4768220
222. Brouwers HB, Battey TWK, Musial HH, Ciura VA, Falcone GJ, Ayres AM, Vashkevich A, Schwab K, Viswanathan A, Anderson CD, Greenberg SM, Pomerantz SR, Ortiz CJ, Goldstein JN, Gonzalez RG, Rosand J, Romero JM. Rate of Contrast Extravasation on Computed Tomographic Angiography Predicts Hematoma Expansion and Mortality in Primary Intracerebral Hemorrhage. *Stroke*. 2015 Sept;46(9):2498–2503. PMID: PMC4550492
223. Radmanesh F, Falcone GJ, Anderson CD, McWilliams D, Devan WJ, Brown WM, Battey TWK, Ayres AM, Raffeld MR, Schwab K, Sun G, Deka R, Viswanathan A, Goldstein JN, Greenberg SM, Tirschwell DL, Silliman SL, Selim M, Meschia JF, Brown DL, Worrall BB, Langefeld CD, Woo D, Rosand J. Rare Coding Variation and Risk of Intracerebral Hemorrhage. *Stroke*. 2015 Aug;46(8):2299–2301. PMID: PMC4519408
224. Rannikmäe K, Davies G, Thomson PA, Bevan S, Devan WJ, Falcone GJ, Traylor M, Anderson CD, Battey TWK, Radmanesh F, Deka R, Woo JG, Martin LJ, Jimenez-Conde J, Selim M, Brown DL, Silliman SL, Kidwell CS, Montaner J, Langefeld CD, Slowik A, Hansen BM, Lindgren AG,

Meschia JF, Fornage M, Bis JC, Debette S, Ikram MA, Longstreth WT, Schmidt R, Zhang CR, Yang Q, Sharma P, Kittner SJ, Mitchell BD, Holliday EG, Levi CR, Attia J, Rothwell PM, Poole DL, Boncoraglio GB, Psaty BM, Malik R, Rost N, Worrall BB, Dichgans M, Van Agtmael T, Woo D, Markus HS, Seshadri S, Rosand J, Sudlow CLM, METASTROKE Consortium, CHARGE WMH Group, ISGC ICH GWAS Study Collaboration, WMH in Ischemic Stroke GWAS Study Collaboration, International Stroke Genetics Consortium. Common variation in COL4A1/COL4A2 is associated with sporadic cerebral small vessel disease. *Neurology*. 2015 Mar 3;84(9):918–926. PMID: PMC4351667

225. Holliday EG, Traylor M, Malik R, Bevan S, Falcone G, Hopewell JC, Cheng YC, Cotlarciuc I, Bis JC, Boerwinkle E, Boncoraglio GB, Clarke R, Cole JW, Fornage M, Furie KL, Ikram MA, Jannes J, Kittner SJ, Lincz LF, Maguire JM, Meschia JF, Mosley TH, Nalls MA, Oldmeadow C, Parati EA, Psaty BM, Rothwell PM, Seshadri S, Scott RJ, Sharma P, Sudlow C, Wiggins KL, Worrall BB, Rosand J, Mitchell BD, Dichgans M, Markus HS, Levi C, Attia J, Wray NR, Australian Stroke Genetics Collaborative, Wellcome Trust Case Control Consortium 2, International Stroke Genetics Consortium. Genetic overlap between diagnostic subtypes of ischemic stroke. *Stroke*. 2015 Mar;46(3):615–619. PMID: PMC4342266
226. Adib-Samii P, Devan W, Traylor M, Lanfranconi S, Zhang CR, Cloonan L, Falcone GJ, Radmanesh F, Fitzpatrick K, Kanakis A, Rothwell PM, Sudlow C, Boncoraglio GB, Meschia JF, Levi C, Dichgans M, Bevan S, Rosand J, Rost NS, Markus HS. Genetic architecture of white matter hyperintensities differs in hypertensive and nonhypertensive ischemic stroke. *Stroke*. 2015 Feb;46(2):348–353. PMID: PMC4306538
227. Battey TWK, Valant V, Kassis SB, Kourkoulis C, Lee C, Anderson CD, Falcone GJ, Jimenez-Conde J, Fernandez-Cadenas I, Pare G, Rundek T, James ML, Lemmens R, Lee TH, Tatlisumak T, Kittner SJ, Lindgren A, Mateen FJ, Berkowitz AL, Holliday EG, Majersik J, Maguire J, Sudlow C, Rosand J, International Stroke Genetics Consortium. Recommendations from the international stroke genetics consortium, part 2: biological sample collection and storage. *Stroke*. 2015 Jan;46(1):285–290. PMID: PMC4276505
228. Fondell E, O'Reilly ÉIJ, Fitzgerald KC, Falcone GJ, Kolonel LN, Park Y, Gapstur SM, Ascherio A. Intakes of caffeine, coffee and tea and risk of amyotrophic lateral sclerosis: Results from five cohort studies. *Amyotroph Lateral Scler Front Degener*. 2015;16(5–6):366–371. PMID: PMC4589421
229. Shoamanesh A, Martinez-Ramirez S, Oliveira-Filho J, Reijmer Y, Falcone GJ, Ayres A, Schwab K, Goldstein JN, Rosand J, Gurol ME, Viswanathan A, Greenberg SM. Interrelationship of superficial siderosis and microbleeds in cerebral amyloid angiopathy. *Neurology*. 2014 Nov 11;83(20):1838–1843. PMID: PMC4240429
230. Radmanesh F, Devan WJ, Anderson CD, Rosand J, Falcone GJ, Alzheimer's Disease Neuroimaging Initiative (ADNI). Accuracy of imputation to infer unobserved APOE epsilon alleles in genome-wide genotyping data. *Eur J Hum Genet EJHG*. 2014 Oct;22(10):1239–1242. PMID: PMC4169533
231. Falcone GJ, Rosand J. Aspirin should be discontinued after lobar intracerebral hemorrhage. *Stroke*. 2014 Oct;45(10):3151–3152. PMID: 25205309
232. Falcone GJ, Brouwers HB, Biffi A, Anderson CD, Battey TWK, Ayres AM, Vashkevich A, Schwab KM, Rost NS, Goldstein JN, Viswanathan A, Greenberg SM, Rosand J. Warfarin and statins are associated with hematoma volume in primary infratentorial intracerebral hemorrhage. *Neurocrit Care*. 2014 Oct;21(2):192–199. PMID: PMC4107188

233. Falcone GJ, Radmanesh F, Brouwers HB, Battey TWK, Devan WJ, Valant V, Raffeld MR, Chitsike LP, Ayres AM, Schwab K, Goldstein JN, Viswanathan A, Greenberg SM, Selim M, Meschia JF, Brown DL, Worrall BB, Silliman SL, Tirschwell DL, Flaherty ML, Martini SR, Deka R, Biffi A, Kraft P, Woo D, Rosand J, Anderson CD, International Stroke Genetics Consortium. APOE ϵ variants increase risk of warfarin-related intracerebral hemorrhage. *Neurology*. 2014 Sept 23;83(13):1139–1146. PMID: PMC4176027
234. Brouwers HB, Raffeld MR, van Nieuwenhuizen KM, Falcone GJ, Ayres AM, McNamara KA, Schwab K, Romero JM, Velthuis BK, Viswanathan A, Greenberg SM, Ogilvy CS, van der Zwan A, Rinkel GJE, Goldstein JN, Klijn CJM, Rosand J. CT angiography spot sign in intracerebral hemorrhage predicts active bleeding during surgery. *Neurology*. 2014 Sept 2;83(10):883–889. PMID: PMC4153853
235. Fitzgerald KC, O'Reilly EJ, Falcone GJ, McCullough ML, Park Y, Kolonel LN, Ascherio A. Dietary ω -3 polyunsaturated fatty acid intake and risk for amyotrophic lateral sclerosis. *JAMA Neurol*. 2014 Sept;71(9):1102–1110. PMID: PMC4160351
236. Jick SS, Li L, Falcone GJ, Vassilev ZP, Wallander MA. Mortality of patients with multiple sclerosis: a cohort study in UK primary care. *J Neurol*. 2014 Aug;261(8):1508–1517. PMID: PMC4119255
237. Fondell E, O'Reilly EJ, Fitzgerald KC, Falcone GJ, Kolonel LN, Park Y, McCullough ML, Ascherio A. Dietary fiber and amyotrophic lateral sclerosis: results from 5 large cohort studies. *Am J Epidemiol*. 2014 June 15;179(12):1442–1449. PMID: PMC4051879
238. Radmanesh F, Falcone GJ, Anderson CD, Battey TWK, Ayres AM, Vashkevich A, McNamara KA, Schwab K, Romero JM, Viswanathan A, Greenberg SM, Goldstein JN, Rosand J, Brouwers HB. Risk factors for computed tomography angiography spot sign in deep and lobar intracerebral hemorrhage are shared. *Stroke*. 2014 June;45(6):1833–1835. PMID: PMC4116606
239. Woo D, Falcone GJ, Devan WJ, Brown WM, Biffi A, Howard TD, Anderson CD, Brouwers HB, Valant V, Battey TWK, Radmanesh F, Raffeld MR, Baedorf-Kassis S, Deka R, Woo JG, Martin LJ, Haverbusch M, Moomaw CJ, Sun G, Broderick JP, Flaherty ML, Martini SR, Kleindorfer DO, Kissela B, Comeau ME, Jagiella JM, Schmidt H, Freudenberger P, Pichler A, Enzinger C, Hansen BM, Norrving B, Jimenez-Conde J, Giralt-Steinhauer E, Elosua R, Cuadrado-Godia E, Soriano C, Roquer J, Kraft P, Ayres AM, Schwab K, McCauley JL, Pera J, Urbanik A, Rost NS, Goldstein JN, Viswanathan A, Stögerer EM, Tirschwell DL, Selim M, Brown DL, Silliman SL, Worrall BB, Meschia JF, Kidwell CS, Montaner J, Fernandez-Cadenas I, Delgado P, Malik R, Dichgans M, Greenberg SM, Rothwell PM, Lindgren A, Slowik A, Schmidt R, Langefeld CD, Rosand J, International Stroke Genetics Consortium. Meta-analysis of genome-wide association studies identifies 1q22 as a susceptibility locus for intracerebral hemorrhage. *Am J Hum Genet*. 2014 Apr 3;94(4):511–521. PMID: PMC3980413
240. Falcone GJ, Malik R, Dichgans M, Rosand J. Current concepts and clinical applications of stroke genetics. *Lancet Neurol*. 2014 Apr;13(4):405–418. PMID: 24646874
241. Brouwers HB, Chang Y, Falcone GJ, Cai X, Ayres AM, Battey TWK, Vashkevich A, McNamara KA, Valant V, Schwab K, Orzell SC, Bresette LM, Feske SK, Rost NS, Romero JM, Viswanathan A, Chou SHY, Greenberg SM, Rosand J, Goldstein JN. Predicting hematoma expansion after primary intracerebral hemorrhage. *JAMA Neurol*. 2014 Feb;71(2):158–164. PMID: PMC4131760
242. Pearson-Fuhrhop KM, Dunn EC, Mortero S, Devan WJ, Falcone GJ, Lee P, Holmes AJ, Hollinshead MO, Roffman JL, Smoller JW, Rosand J, Cramer SC. Dopamine genetic risk score

- predicts depressive symptoms in healthy adults and adults with depression. *PloS One*. 2014;9(5):e93772. PMID: PMC4023941
243. Woo D, Deka R, Falcone GJ, Flaherty ML, Haverbusch M, Martini SR, Greenberg SM, Ayres AM, Sauerbeck L, Kissela BM, Kleindorfer DO, Moomaw CJ, Anderson CD, Broderick JP, Rosand J, Langefeld CD, Woo JG. Apolipoprotein E, statins, and risk of intracerebral hemorrhage. *Stroke*. 2013 Nov;44(11):3013–3017. PMID: PMC3873717
244. Fondell E, Fitzgerald KC, Falcone GJ, O'Reilly EJ, Ascherio A. Early-onset alopecia and amyotrophic lateral sclerosis: a cohort study. *Am J Epidemiol*. 2013 Oct 1;178(7):1146–1149. PMID: PMC3783095
245. Fondell E, O'Reilly EJ, Fitzgerald KC, Falcone GJ, McCullough ML, Park Y, Kolonel LN, Ascherio A. Magnesium intake and risk of amyotrophic lateral sclerosis: results from five large cohort studies. *Amyotroph Lateral Scler Front Degener*. 2013 Sept;14(5–6):356–361. PMID: PMC3743429
246. Falcone GJ, Biffi A, Brouwers HB, Anderson CD, Battey TWK, Ayres AM, Vashkevich A, Schwab K, Rost NS, Goldstein JN, Viswanathan A, Greenberg SM, Rosand J. Predictors of hematoma volume in deep and lobar supratentorial intracerebral hemorrhage. *JAMA Neurol*. 2013 Aug;70(8):988–994. PMID: PMC3808840
247. Devan WJ, Falcone GJ, Anderson CD, Jagiella JM, Schmidt H, Hansen BM, Jimenez-Conde J, Giralt-Steinhauer E, Cuadrado-Godia E, Soriano C, Ayres AM, Schwab K, Kassis SB, Valant V, Pera J, Urbanik A, Viswanathan A, Rost NS, Goldstein JN, Freudenberger P, Stögerer EM, Norrving B, Tirschwell DL, Selim M, Brown DL, Silliman SL, Worrall BB, Meschia JF, Kidwell CS, Montaner J, Fernandez-Cadenas I, Delgado P, Greenberg SM, Roquer J, Lindgren A, Slowik A, Schmidt R, Woo D, Rosand J, Biffi A, International Stroke Genetics Consortium. Heritability estimates identify a substantial genetic contribution to risk and outcome of intracerebral hemorrhage. *Stroke*. 2013 June;44(6):1578–1583. PMID: PMC3684199
248. Biffi A, Anderson CD, Falcone GJ, Kissela B, Norrving B, Tirschwell DL, Selim M, Brown DL, Silliman SL, Worrall BB, Meschia JF, Kidwell CS, Broderick JP, Greenberg SM, Roquer J, Lindgren A, Slowik A, Schmidt R, Woo D, Rosand J, International Stroke Genetics Consortium. Novel insights into the genetics of intracerebral hemorrhage. *Stroke*. 2013 June;44(6 Suppl 1):S137. PMID: 23709713
249. Adib-Samii P, Rost N, Traylor M, Devan W, Biffi A, Lanfranconi S, Fitzpatrick K, Bevan S, Kanakis A, Valant V, Gschwendtner A, Malik R, Richie A, Gamble D, Segal H, Parati EA, Ciusani E, Holliday EG, Maguire J, Wardlaw J, Worrall B, Bis J, Wiggins KL, Longstreth W, Kittner SJ, Cheng YC, Mosley T, Falcone GJ, Furie KL, Leiva-Salinas C, Lau BC, Saleem Khan M, Australian Stroke Genetics Collaborative, Wellcome Trust Case-Control Consortium-2 (WTCCC2), METASTROKE, Sharma P, Fornage M, Mitchell BD, Psaty BM, Sudlow C, Levi C, Boncoraglio GB, Rothwell PM, Meschia J, Dichgans M, Rosand J, Markus HS, International Stroke Genetics Consortium. 17q25 Locus is associated with white matter hyperintensity volume in ischemic stroke, but not with lacunar stroke status. *Stroke*. 2013 June;44(6):1609–1615. PMID: PMC3771337
250. O'Reilly EJ, Wang H, Weisskopf MG, Fitzgerald KC, Falcone G, McCullough ML, Thun M, Park Y, Kolonel LN, Ascherio A. Premorbid body mass index and risk of amyotrophic lateral sclerosis. *Amyotroph Lateral Scler Front Degener*. 2013 Apr;14(3):205–211. PMID: PMC3615420

251. Battey TWK, Falcone GJ, Sheth KN, Goldstein JN, Rosand J. Authors' reply: Confounding by indication in retrospective studies of intracerebral hemorrhage: antiepileptic treatment and mortality. *Neurocrit Care*. 2013 Apr;18(2):287–288. PMID: 23408339
252. Fitzgerald KC, O'Reilly ÉJ, Fondell E, Falcone GJ, McCullough ML, Park Y, Kolonel LN, Ascherio A. Intakes of vitamin C and carotenoids and risk of amyotrophic lateral sclerosis: pooled results from 5 cohort studies. *Ann Neurol*. 2013 Feb;73(2):236–245. PMID: PMC3608702
253. Falcone GJ, Biffi A, Devan WJ, Brouwers HB, Anderson CD, Valant V, Ayres AM, Schwab K, Rost NS, Goldstein JN, Viswanathan A, Greenberg SM, Selim M, Meschia JF, Brown DL, Worrall BB, Silliman SL, Tirschwell DL, Rosand J, GOCHA Investigators. Burden of blood pressure-related alleles is associated with larger hematoma volume and worse outcome in intracerebral hemorrhage. *Stroke*. 2013 Feb;44(2):321–326. PMID: PMC3560332
254. Falcone GJ, Brouwers HB, Rosand J. Risk of intracranial hemorrhage with protease-activated receptor-1 antagonists. *Stroke*. 2012 Dec;43(12):3158–3159. PMID: 23160886
255. Brouwers HB, Falcone GJ, McNamara KA, Ayres AM, Oleinik A, Schwab K, Romero JM, Viswanathan A, Greenberg SM, Rosand J, Goldstein JN. CTA spot sign predicts hematoma expansion in patients with delayed presentation after intracerebral hemorrhage. *Neurocrit Care*. 2012 Dec;17(3):421–428. PMID: PMC3707619
256. Battey TWK, Falcone GJ, Ayres AM, Schwab K, Viswanathan A, McNamara KA, DiPucchio ZY, Greenberg SM, Sheth KN, Goldstein JN, Rosand J. Confounding by indication in retrospective studies of intracerebral hemorrhage: antiepileptic treatment and mortality. *Neurocrit Care*. 2012 Dec;17(3):361–366. PMID: PMC3707622
257. Falcone GJ, Biffi A, Devan WJ, Jagiella JM, Schmidt H, Kissela B, Hansen BM, Jimenez-Conde J, Giralt-Steinhauer E, Elosua R, Cuadrado-Godia E, Soriano C, Ayres AM, Schwab K, Pera J, Urbanik A, Rost NS, Goldstein JN, Viswanathan A, Pichler A, Enzinger C, Norrving B, Tirschwell DL, Selim M, Brown DL, Silliman SL, Worrall BB, Meschia JF, Kidwell CS, Montaner J, Fernandez-Cadenas I, Delgado P, Broderick JP, Greenberg SM, Roquer J, Lindgren A, Slowik A, Schmidt R, Flaherty ML, Kleindorfer DO, Langefeld CD, Woo D, Rosand J, International Stroke Genetics Consortium. Burden of risk alleles for hypertension increases risk of intracerebral hemorrhage. *Stroke*. 2012 Nov;43(11):2877–2883. PMID: PMC3479325
258. Fondell E, O'Reilly ÉJ, Fitzgerald KC, Falcone GJ, McCullough ML, Thun MJ, Park Y, Kolonel LN, Ascherio A. Non-steroidal anti-inflammatory drugs and amyotrophic lateral sclerosis: results from five prospective cohort studies. *Amyotroph Lateral Scler Off Publ World Fed Neurol Res Group Mot Neuron Dis*. 2012 Oct;13(6):573–579. PMID: PMC3474335

Book Chapters

1. **Falcone GJ** and Rosand J. Genetic Risk Factors of Intracerebral Hemorrhage. In *Risk Factors for Cerebrovascular Disease and Stroke* (2012). Editors: Stephanie Dobbie & Sudha Seshadri. Oxford University Press.
2. **Falcone GJ**. Neuroepidemiology. In *Clinical Neurology* (in press). Editors: Federico Micheli, Jorge Asconapé, José Biller, Manuel Fernández Pardal, Eduardo Benarroch y Martín Nogués. Akadia Press.
3. **Falcone GJ**. Genetic Stroke Syndromes. In *Vascular Neurology Board Review: An Essential Study Guide, Second edition* (2019). Editors: Joseph L. Schindler and Hardik P. Amin. Springer.

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Rommell B. Noche MD Postgraduate associate 2018-2020	<ul style="list-style-type: none"> Stroke. 2021 Jan;52(2):582-587 	Resident - General surgery UC Irvine School of Medicine
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Audrey Leasure MD Postgraduate associate 2016-present	<ul style="list-style-type: none"> Multiple peer-reviewed publications Funded R03 by the NINDS (Leasure co-I) 	Resident - Dermatology Yale School of Medicine
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Stacy Brown MD Clinical Fellow 2018-2020	<ul style="list-style-type: none"> Pharmacogenomics. 2020 Apr;21(5):307-309. Neurology. 2020 Nov 24;95(21):e2890-e2899. 	Assistant Professor of Neurology, University of Hawaii School of Medicine
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Natalia Szejko MD, PhD Postdoctoral fellow 2019-2021	<ul style="list-style-type: none"> Multiple peer-reviewed publications 2021 Young Investigator Award – European Stroke Organization Conference 	Postdoctoral Research Fellow University of Calgary
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Wadzanayi Mayiseni BS Postgraduate associate 2023-present	<ul style="list-style-type: none"> Abstract submission – 2024 International stroke conference General assembly speaker – Unite Nations 	Postgraduate Associate, Yale School of Medicine
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