Editorials

Are Double Mutations Double Trouble?
Diane Fatkin, MD; Renee Johnson, PhD, MGC

Local Ancestry Association, Admixture Mapping, and Ongoing Challenges
Arya Mani, MD

Original Articles

Identification of Cadherin 2 (CDH2) Mutations in Arrhythmogenic Right Ventricular Cardiomyopathy
Bongani M. Mayosi, MB, ChB, DPhil; Maryam Fish, PhD; Gasanat Shabooidien, PhD; Elisa Mastantuono, MD; Sarah Kraus, MB, ChB; Thomas Wieland, MSc; Maria-Christina Kotta, PhD; Ashley Chin, MPhil; Nakita Laing, MSc; Ntobeko B.A. Ntusi, DPhil; Michael Chong, MSc; Christopher Horsfall, MB, ChB; Simon N. Pimstone, MB, ChB, PhD; Gianfranco Parati, MD; Tim-Matthias Strom, MD; Thomas Meitinger, MD; Guillaume Pare, MD; Peter J. Schwartz, MD, PhD; Lia Crotti, MD, PhD

Screening of the Filamin C Gene in a Large Cohort of Hypertrophic Cardiomyopathy Patients
Juan Gómez, PhD; Rebecca Lorca, MD; Julian R. Reguero, MD; César Moris, MD; Marta Martin, MD; Salvador Tranche, MD; Belén Alonso, BSc; Sara Iglesias, BSc; Victoria Alvarez, PhD; Beatriz Díaz-Molina, MD; Pablo Avanzas, MD; Eliecer Coto, PhD

Nonfamilial Hypertrophic Cardiomyopathy: Prevalence, Natural History, and Clinical Implications
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Prevalence and Clinical Implication of Double Mutations in Hypertrophic Cardiomyopathy: Revisiting the Gene-Dose Effect
Dana Fourey, MD; Melanie Care, MSc; Katherine A. Siminovich, MD; Adaya Weissler-Snir, MD; Waseem Hindieh, MD; Raymond H. Chan, MPH; Michael H. Gollob, MD; Harry Rakowski, MD; Arnon Adler, MD

Additional Candidate Genes for Human Atherosclerotic Disease Identified Through Annotation Based on Chromatin Organization
Saskia Haitjema, MD; Claartje A. Meddens, MD; Sander W. van der Laan, PhD; Daniel Kofink, MSc; Magdalena Harakalova, MD, PhD; Vinicius Tragante, PhD; Hassan Foroughi Asl, PhD; Jessica van Setten, PhD; Maarten M. Brandt, MSc; Joshua C. Bis, PhD; Christopher O’Donnell, MD, PhD; on behalf of the CHARGE Consortium, the METASTROKE Group of the International Stroke Genetics Consortium; Caroline Cheng, PhD; Imo E. Hoefner, MD, PhD; Johannes Waltenberger, MD, PhD; Erik Biessen, PhD; J. Wouter Jukema, PhD; Pieter A.F.M. Doevendans, MD, PhD; Edward E.S. Nieuwenhuis, MD, PhD; Jeanette Erdmann, MD, PhD; Johan L.M. Björkegren, MD, PhD; Gerard Pasterkamp, MD, PhD; Folkert W. Asselbergs, MD, PhD; Hester M. den Ruijter, PhD; Michal Mokry, MD, PhD

Admixture Mapping of Subclinical Atherosclerosis and Subsequent Clinical Events Among African Americans in 2 Large Cohort Studies
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Socioeconomic Status Interacts with the Genetic Effect of a Chromosome 9p21.3 Common Variant to Influence Coronary Artery Calcification and Incident Coronary Events in the Heinz Nixdorf Recall Study (Risk Factors, Evaluation of Coronary Calcium, and Lifestyle)
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Genome-Wide Association Study Meta-Analysis of Long-Term Average Blood Pressure in East Asians
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Investigating the Genetic Architecture of the PR Interval Using Clinical Phenotypes
Jonathan D. Mosley, MD, PhD; M. Benjamin Shoemaker, MD, MSCI; Quinn S. Wells, MD, PhamD, MSC; Dawood Darbar, MD, PhD; Christian M. Shaffer, BS; Todd L. Edwards, PhD; Lisa Bastarache, MS; Catherine A. McCarty, PhD, MPH; Will Thompson, PhD; Christopher G. Chute, MD, DrPH; Paul G. Jarvis, MD, PhD; David R. Crosslin, PhD; Eric B. Larson, MPH; Itikar J. Kullo, MD; Jennifer A. Pacheco, BA; Peggy L. Peissig, PhD, MBA; Murray H. Brilliant, PhD; James G. Linneman, BA; John S. Witte, PhD; Jerry C. Denny, MD, MS; Dan M. Roden, MD

Heritability of the Severity of the Metabolic Syndrome in Whites and Blacks in 3 Large Cohorts
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Genetic Analysis of Venous Thromboembolism in UK Biobank Identifies the ZFPM2 Locus and Implicates Obesity as a Causal Risk Factor
Derek Klarin, MD; Connor A. Emdin, DPhil; Pradeep Natarajan, MD, MSc; Mark F. Conrad, MD; the INVENT Consortium; Sekar Kathiresan, MD

Advances in Genetics
Delivering Clinical Grade Sequencing and Genetic Test Interpretation for Cardiovascular Medicine
Andrew R. Harper, MSc, MRCP; Victoria N. Purih, MD; Rachel L. Goldfeder, BS; Colleen Caleshu, MS, LCGC; Euan A. Ashley, BSc, DPhil, FRCP

AHA Scientific Statement
Potential Impact and Study Considerations of Metabolomics in Cardiovascular Health and Disease: A Scientific Statement From the American Heart Association
Susan Cheng, MD, MMSc, MPH, Chair; Svati H. Shah, MD, MHS, FAHA, Co-Chair; Elizabeth J. Corwin, PhD; Oliver Feinig, MD; Robert L. Fitzgerald, PhD; Robert E. Gersztuen, MD, FAHA; Thomas Illig, PhD; Eugene P. Rhee, MD; Pothur R. Srinivas, PhD, MPH; Thomas J. Wang, MD, FAHA; Mohit Jain, MD, PhD; on behalf of the American Heart Association Council on Functional Genomics and Translational Biology; Council on Cardiovascular and Stroke Nursing; Council on Clinical Cardiology; and Stroke Council