Editorials

Are Double Mutations Double Trouble?
Diane Fatkin, MD; Renee Johnson, PhD, MGC .................................................. e001749

Local Ancestry Association, Admixture Mapping, and Ongoing Challenges
Arya Mani, MD .......................................................... e001747

Original Articles

Identification of Cadherin 2 (CDH2) Mutations in Arrhythmogenic Right Ventricular Cardiomyopathy
Bongani M. Mayosi, MB, ChB, DPhil; Maryam Fish, PhD; Gasnat Shaboodien, 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; Davide Gentilini, PhD; Gianfranco Parati, MD; Tim-Matthias Strom, MD; Thomas Meitinger, MD; Guillaume Pare, MD; Peter J. Schwartz, MD, PhD; Lia Crotti, MD, PhD .................................................. e001605

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 Morís, 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 .................................................. e001584

Nonfamilial Hypertrophic Cardiomyopathy: Prevalence, Natural History, and Clinical Implications
Jodie Ingles, GradDipGenCouns, PhD, MPH; Charlotte Burns, MGC, MPH, MPH; Richard D. Bagnall, PhD; Lien Lam, BSc, PhD; Laura Yeates, BSc; Tanya Sarina, MACommsMgmt; Richard Paranik, MBBS, PhD; Tom Briffa, PhD; John J. Atherton, MBBS, PhD, Tim Driscoll, BSc(Med), MBBS, MOHS, PhD; Christopher Sensarian, MBBS, PhD, MPH .................................................. e001620

Prevalence and Clinical Implication of Double Mutations in Hypertrophic Cardiomyopathy: Revisiting the Gene-Dose Effect
Dana Fourey, MD; Melanie Care, MSc; Katherine A. Siminovitch, MD; Adaya Weissler-Snir, MD; Waseem Hindieh, MD; Raymond H. Chan, MD, MPH; Michael H. Gollob, MD; Harry Rakowski, MD; Arnon Adler, MD .................................................. e001685

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. Hoefler, 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. Björkergen, MD, PhD; Gerard Pasterkamp, MD, PhD; Folkert W. Asselbergs, MD, PhD; Hester M. den Ruijter, PhD; Michal Mokry, MD, PhD .................................................. e001664

Admixture Mapping of Subclinical Atherosclerosis and Subsequent Clinical Events Among African Americans in 2 Large Cohort Studies
Aditi Shendre, PhD; Howard Wiener, PhD; Marguerite R. Irvin, PhD; Degui Zhi, PhD; Nita A. Limdi, PhD; Edgar T. Overton, MD; Christina L. Wassell, PhD; Jasmin Divers, PhD; Jerome I. Rotter, MD; Wendy S. Post, MD; Sadeep Shrestha, PhD .................................................. e001569
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)
Börge Schmidt, PhD; Stefanie Frölich, MSc; Nico Dragano, PhD; Mirjam Frank, MSc; Lewin Eisele, MD; Sonali Pechlivanis, PhD; Andreas J. Forstner, MD; Markus M. Nöthen, MD; Amir A. Mahabadi, MD; Raimund Erbel, MD; Susanne Moebus, PhD; Karl-Heinz Jöckel, PhD 

Genome-Wide Association Study Meta-Analysis of Long-Term Average Blood Pressure in East Asians
Changwei Li, MD, PhD; Yun Kyoung Kim, PhD; Rajkumar Dorajoo, PhD; Huaixing Li, PhD; I-Te Lee, MD, PhD; Chang-Yu Cheng, MD, PhD; Meian He, MD, PhD; Wayne H-h Sheu, MD, PhD; Xiuqing Guo, PhD; Santhi K. Ganesh, MD; James E. Hisson, PhD; Sohee Han, PhD; Yin-Ying Teo, PhD; Yiqin Wang, MD; Jing Chen, MD; Chieh Hsiang Lu, MD, PhD; Jingfen Zheng, MD, PhD; Lixuan Gui, MS; Wen-Jane Lee, PhD; Jie Yao, MD; Dongfeng Gu, MD, PhD; Bok-Ghee Han, MD, PhD; Xueling Sim, MD, PhD; Qiong Sun, MD, PhD; Jinying Zhao, MD, PhD; Chien-Hsiun Chen, PhD; Neelam Kumari, PhD; Yunfeng He, PhD; Kent D. Taylor, PhD; Leslie J. Raffel, MD; Sanghoon Moon, PhD; Jerome I. Rotter, MD; Yi-der Ida Chen, PhD; Tien Yin Wong, MD, PhD; Jer-Yuarn Wu, PhD; Xu Lin, MD, PhD; E-Shyong Tai, MD, PhD; Bong-Jo Kim, PhD; Tanika N. Kelly, PhD 

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; Gail P. Jarvik, MD; David R. Crosslin, PhD; Eric B. Larson, MD, MPH; Ifitikhar J. Kullo, MD; Jennifer A. Pacheco, BA; Peggy L. Peissig, PhD, MBA; Murray H. Brilliant, PhD; James G. Linneman, BA; John S. Witte, PhD; Joshua C. Denny, MD, MS; Dan M. Roden, MD 

Heritability of the Severity of the Metabolic Syndrome in Whites and Blacks in 3 Large Cohorts
Solomon K. Musani, PhD; Lisa J. Martin, PhD; Jessica G. Woo, PhD; Michael Olivier, PhD; Matthew J. Gurka, PhD; Mark D. DeBoer, MD, MSc, MCR 

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, MMSc; 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. Purikh, MD; Rachel L. Goldfeder, BS; Colleen Caleshu, MS, LCGC; Euan A. Ashley, BSc, DPhil, FRCP 

Correction 

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 Fiehn, MD; Robert L. Fitzgerald, PhD; Robert E. Gerszten, MD, FAHA; Thomas Illig, PhD; Eugene P. Rhee, MD; Potheer 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