

Bio

Dr. Worrall is Harrison Distinguished Teaching Professor and Vice-Chair for Research in the Department of Neurology at the University of Virginia School of Medicine and Professor of Public Health Sciences. He also serves as Division Chief for Vascular (Stroke) Neurology and as the Vascular (Stroke) Neurology fellowship director at UVA. For more than two decades, his research has focused on mechanisms and novel risk factors in cerebrovascular disease using a multiomics approach. His research career has focused on disease mechanisms, biomarkers, and novel risk factors for a wide range of cerebrovascular disease.

He is a founding member of the International Stroke Genetics Consortium (ISGC) and is serving his third (non-consecutive) term on the executive committee. He is a past chair of the METASTROKE ischemic stroke consortium, a co-senior investigator on the MEGASTROKE project (the largest stroke genetic analysis of stroke to date), an active contributor to the Consortium of Minority Population genome-wide-Association Studies of Stroke (COMPASS) collaboration and Atrial Fibrillation Genetics (AF-Gen) consortium, and member of the REasons for Geographic And Racial Differences in Stroke (REGARDS) Genetics Working Group. Being intimately aware of the challenges inherent in both neurological and genetic research, he has written on methodological and ethical issues in both arenas. He has participated in leadership roles in numerous multi-centered genetics trials. In many of these, he has focused on developing scalable strategies for phenotype harmonization. He works with researchers across the globe to understand the biologic processes underlying cerebrovascular disease through genetic/genomic investigation.

He is co-Principal Investigator of the KL2 grant for the integrated Translational Health Research In Virginia (iTHRIV) CTSA and co-leads a career development program for junior faculty at UVA, Virginia Tech/ Carilion Clinic. He is also PI/co-I of multiple NIH grants including as co-principal investigator for Stroke Central Atlantic Network for Research (SCANR) one of the funded RCCs in the NINDS StrokeNet for which I chair the Prevention/ Biomarker core. He is currently serving on the National StrokeNet Prevention Working Group. Most he has had grant funding to investigate the microbiome in ischemic stroke outcomes and look at shared risk for cerebral and aortic aneurysmal disease.

In 2018, he spent 7 months in Australia as the *Fulbright Distinguished Chair in Health* at the University of Newcastle and Hunter Medical Research Institute, NSW Australia. He is previous Deputy Editor for *Neurology* and currently is the Deputy Editor for Editorial Education for the journal *Neurology*.