David S Liebeskind, MD, FAHA, FAAN, FANA, FSVIN, FWSO

David is Professor of Neurology at the University of California, Los Angeles (UCLA) where he is Director of the UCLA Stroke Center. He is Director of the Neurovascular Imaging Research Core, leading global efforts to advance data science and precision medicine of stroke imaging for prevention, acute therapies, and recovery after stroke.

He is Director of the UCLA Cerebral Blood Flow Laboratory, Director of Outpatient Stroke and Neurovascular Programs and Director of the UCLA Vascular Neurology Residency Program, training the next generation of vascular neurologists and stroke experts.

He trained in chemical engineering at Columbia University and completed his MD at New York University School of Medicine. Postgraduate medical training included internship at Beth Israel Hospital, Boston, and neurology residency at UCLA. After his residency, he completed a fellowship in stroke and cerebrovascular disease at UCLA and subsequently joined the faculty in the Departments of Neurology and Radiology at the University of Pennsylvania. He has advanced education, research, and clinical care of stroke at UCLA since 2004.

He has maintained extensive clinical activity across a broad range of cerebrovascular disorders ranging from carotid disease to unusual causes of stroke. Clinical expertise includes cerebral venous thrombosis, arterial dissection, moyamoya syndrome and other causes of stroke in the young. His principal research interests include novel neuroimaging approaches to elucidate fundamental pathophysiology of cerebrovascular disease in humans with a particular focus on collateral circulation. His work on collateral perfusion in acute

ischemic stroke draws on advances in noninvasive, multimodal CT and MRI and detailed analyses of digital subtraction angiography.

As Director of the Neurovascular Imaging Research Core, he runs an angiography and imaging core laboratory with extensive experience of over 2 decades of multicenter and global stroke trials, largescale registries and many other stroke studies. His research on collaterals in intracranial atherosclerosis complements his work on acute stroke, utilizing computational fluid dynamic modeling and estimates of fractional flow to predict risk of ischemia and reperfusion hemorrhage. He has intertwined his scientific research and clinical interests in the longitudinal evaluation of blood flow in cerebrovascular disorders to help improve outcomes of all stroke patients.

He currently serves as a member of the WSO Board of Directors, volunteering his experience and interests in advancing stroke care around the world. He directs the annual International Symposium on Collaterals to the Brain where a diverse array of colleagues and collaborators meet in person and remotely from around the world in > 95 countries on 6 continents to advance the science and practice of hemodynamics in cerebrovascular health. Other leadership roles currently include his position as Past-President of the Society of Vascular and Interventional Neurology (SVIN) and Past-President of the American Society of Neuroimaging (ASN).