Speaker's Biosketch

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Dr. Jo is Coulter Distinguished Chair Professor and Associate Chair in the Coulter Department of Biomedical Engineering (BME) at Emory University and Georgia Tech, where he directs the Cardiovascular Mechanobiology, Therapeutics, and Nanomedicine Lab. He is also a Professor of Medicine at Emory and the Director of the Cardiovascular Biomechanics T32 Graduate Training Program at Emory and GA Tech. He studies how blood flow regulates vascular endothelial function, leading to atherosclerosis and aortic valve disease. His lab develops novel therapeutics by targeting flow-sensitive genes/proteins and nanotechnology for targeted therapeutics delivery to treat cardiovascular disease safely and effectively. He has trained >60 trainees, including PhDs and postdocs, many of whom have become successful members in universities, industries and government agencies. He has published >240 peer-reviewed papers and written three books. He is an elected fellow of the AAAS, BME Society, AIMBE, AHA, and Am Physiological Society. He received a Marshall Distinguished Investigator Award from the British Society of Cardiovascular Research. He has served as an Editorial Board Member and Associate Editor of Circ Res, ATVB, Nature Scientific Reports, Nature Data Science, CVET, Frontiers in Vascular Biology, and Atherosclerosis. He also was Chair of the 2012 Annual BME Society Meeting, the 2023 Gordon Research Conference in Biomechanics of Vascular Biology and Disease, and the International Symposium in Biomechanics in Cardiovascular Diseases. He was the Vice President of the Korean-American Scientists and Engineers Association.