2015 Ishmael Lectureship

Arthritis Foundation℠ & The UNIVERSITY of OKLAHOMA Health Sciences Center

DR. VIRGINIA BYERS KRAUS, MD, PHD | PRESENTER

Dr. Kraus is a Professor of Medicine in the Duke Molecular Physiology Institute of the Duke University School of Medicine and is a practicing Rheumatologist with more than 20 years experience in musculoskeletal research focusing on osteoarthritis. She completed a BSc degree from Brown University (1979), MD (1982) and PhD (1993) degrees from Duke University, and Residency and Fellowship (Rheumatology) in the Duke School of Medicine. Dr. Kraus is also an adjunct Professor of Pathology and an adjunct Associate Professor of Surgery. Her career has focused on elucidating osteoarthritis pathogenesis and translational research into the discovery and validation of biomarkers for early osteoarthritis detection, prediction of progression, and monitoring of disease status. She is internationally known for expertise on biomarker measurements for assessment of musculoskeletal pathology and has served as Chair of the NIH sponsored biomarkers consortium, and Chair of the Osteoarthritis Research Society International (OARSI) FDA Biomarkers Working Group that have led to signal publications in the field related to development of a new nomenclature for characterizing biomarkers and a proposal for advancing the use of biomarkers in clinical trials for osteoarthritis. Dr. Kraus is also Director of a Biomarkers Core Facility at Duke University School of Medicine that supports osteoarthritis and aging center projects, and Director of a University Shared Resource Facility that provides biomarker analyses for studies internal and external to Duke. She is a long-time member of the Orthopaedic Research Society and American College of Rheumatology, and immediate past President of the Osteoarthritis Research Society International (2013-2015). Dr. Kraus is a member of the national board of directors of the Arthritis Foundation. This year she was a recipient of the 2015 Kappa Delta award from the American Academy of Orthopaedic Surgery and the Orthopaedic Research Society for work related to prevention of post-traumatic arthritis.