

## **Biography**

John A. McLean is Stevenson Professor of Chemistry, Chair of the Department of Chemistry, Associate Provost for Graduate Education, and Director of the Center for Innovative Technologies at Vanderbilt University. He is an elected Fellow of the National Academy of Inventors. He completed his PhD at George Washington University, postdoctoral research at Forschungszentrum Jülich in Germany and then at Texas A&M University, and subsequently began at Vanderbilt University in 2006. McLean and colleagues have focused on the conceptualization, design, and construction of ion mobility and structural mass spectrometers, specifically targeting complex samples in systems, synthetic, and chemical biology. His group applies these strategies to forefront translational research areas in drug discovery, personalized medicine, and 'human-on-chip' synthetic biology platforms. Prof. McLean has received a number of awards, including the Agilent Thought Leader Award, Waters Center of Innovation, the Chancellor's Award for Research, the Thomas Jefferson Award, Excellence in Teaching Award from the student members of the American Chemical Society, a Defense Threat Reduction Agency Research Award, an American Society for Mass Spectrometry Research Award, and the Bunsen–Kirchhoff Prize from the GDCh (German Chemical Society), among others. He has published over 200 manuscripts and received over 30 patents in these and allied areas.