



**Sandra A. Lewis, Ph.D.** Head of Pre-Development and Advanced Technologies, Siemens Healthineers

Sandra has over 20 years of experience in Research and Development in the *in vitro diagnostics* field. As the Head of Pre-Development and Advanced Technologies, Sandra leads a diverse team of scientists to develop innovative technologies in laboratory diagnostics. Sandra has held progressive technical and leadership roles in R&D and led product development efforts from predevelopment through commercialization and customer support.

Sandra has experience in the pharmaceutical industry with *AtheroGenics, Inc.*, also in assay development R&D. Protein chemistry, enzymology, RNA, microarray, and assay development initiatives were employed for target discovery/validation and genomics programs.

As a *postdoctoral fellow* in the group of Rodney Levine, M.D., Ph.D., Laboratory of Biochemistry, Heart Lung and Blood Institute, National Institutes of Health, Sandra examined the role of oxidative modification of proteins in relation to acute oxidative injury and aging. Sandra earned her *Doctor of Philosophy in Biochemistry* in the laboratory of Professor John W. Kozarich, Ph.D. in the Department of Chemistry and Biochemistry at the University of Maryland in College Park, MD. She earned her *Bachelor of Science in Biochemistry* from the Pennsylvania State University in University Park, PA.

Sandra has an interest in STEM education and is an active member in Inspiring Women in STEM and the Biomedical Engineering External Advisory Council, University of Delaware. She continues to be engaged in the Accelerate to Industry (A2i) workforce development program (University of Delaware) and the Career Long Learning Collaborative (collaboration between the University of Delaware and regional academic and businesses institutions). As a member of the Board of Directors of Delaware Bioscience Association, Sandra shares the commitment to nurture and expand Delaware's dynamic bioscience community. Sandra is a member of the Association of Diagnostics and Laboratory Medicine, American Association of Chemistry, American Association for the Advancement of Science and the Society for Redox Biology and Medicine.