



**John Sunderland** received his Ph.D. in Medical Physics from the University of Wisconsin, Madison. He was the Director of the Creighton University Center for Metabolic Imaging, and subsequently the Vice President for Positron Emission Tomography (PET) at the Biomedical Research Foundation in Shreveport, Louisiana. He is presently the Director of the University of Iowa's PET Imaging and Cyclotron program and the Director of the University of Iowa's Small Animal Imaging Core Laboratory. He is working with the Society of Nuclear Medicine's Clinical Trials Network as Chairman of the Database Sub-Committee, and a member of the Scanner Validation Sub-Committee and Manufacturers Sub-Committee. He performs research in the area of cyclotron targetry for the production of positron-emitting isotopes for PET imaging. He is involved in the design and development of quantitative imaging techniques using Positron Emission Tomography to be used in clinical trial environments primarily in the area of oncology. He applies these same quantitative imaging techniques used for human studies to small animal models to aid in the development and testing of new radiopharmaceuticals and treatments.