

Short Biographical Statement

As indicated in my attached biographical information, I was formally trained in Mass Spectrometry with primary focus on its applications to Biomedical and Bio-organic Analysis. For the past several years my research has focused on the development of techniques for detection of damage to DNA from environmental carcinogens which may be present in the air we breathe, the water we drink or the food we eat. The binding of such chemicals to DNA is viewed as a potential first step for the initiation of genotoxic cancers and detection at the molecular level can serve as an invaluable early marker for risk assessment. In addition to addressing major health related issues, the results of these studies can have broader legal implications when screening for hazardous environmental pollutants and polluters. In addition, in conjunction with these research efforts, I have been involved in the development or advancement of new analytical methodologies with applications to pharmacological problems. For a number of years, my research has been supported by grants from the National Institutes of Health and the Environmental Protection Agency and collaborators have included colleagues from the National Center for Toxicological Research, Jefferson AK, The National Cancer Institute, Bethesda, MD, Nestle Research Center, Lausanne, Switzerland, the Roswell Park Cancer Institute and University of Kentucky Medical School, Lexington, KY. In the course of these activities I have mentored approximately 45 doctoral students most of whom are pursuing distinguished careers in biotechnology and the pharmaceutical industries. A complete CV has been attached.