

BIOGRAPHICAL SKETCH

John V. Goodpaster, Ph.D.

Dr. John Goodpaster graduated *summa cum laude* from Gustavus Adolphus College in St. Peter, MN in 1995 with a B.A. in Chemistry. He went on to graduate school at Michigan State University, receiving a National Science Foundation (NSF) Graduate Research Fellowship to study carcinogenic pollutants, explosives and petroleum products. While at Michigan State, Dr. Goodpaster completed a M.S. in Criminal Justice with a Concentration in Forensic Science as well as a Ph.D. in Analytical Chemistry. Following graduate school, Dr. Goodpaster received a National Research Council (NRC) Post-Doctoral Fellowship and carried out research at the National Institute of Standards and Technology (NIST) in Gaithersburg, MD. As a Research Chemist, he designed new methods for the forensic analysis of human hair and initiated the development of standard reference materials for the analysis of blood alcohol, drugs of abuse, glass and fire debris. In 2002, Dr. Goodpaster joined the Forensic Science Laboratory of the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) as a Forensic Chemist. His duties included the analysis of intact explosives and their post-blast residues and identification of explosive device components. His work experience included over 100 laboratory cases, two crime scene investigations, and qualification as an expert witness in four criminal trials. Other duties included research of new techniques for identifying explosives and regular testing and certification of arson- and explosive-detecting canine-handler teams from local, state, federal, and international agencies.

In 2007, Dr. Goodpaster joined the faculty of the Forensic and Investigative Sciences (FIS) Program at Indiana University Purdue University Indianapolis (IUPUI). Dr. Goodpaster teaches in the undergraduate FIS program in the areas of statistics, chromatography, trace evidence, fire debris and explosives. Ongoing research in Dr. Goodpaster's laboratory includes designing new techniques for explosives analysis as well as instrumental and statistical association of class evidence such as electrical tape. Dr. Goodpaster is also actively collaborating with the Indiana State Police Laboratory Division on projects related to fire debris and fiber evidence. Lastly, a long-term project on the chemical compounds sensed by explosive-detecting canines is underway.