Andrew Bartko, Research Leader, **Battelle Memorial Institute**

Dr. Andrew P. Bartko received a B.S. from the University of Pittsburgh in 1997 and a Ph.D. in physical chemistry in 2002. His graduate work consisted of deciphering spatially heterogeneous relaxation dynamics of glass forming systems using novel rotational single molecule microscopy techniques. In 2002, Dr. Bartko joined the Softmatter Nanotechnology and Advanced Spectroscopy Team at Los Alamos National Laboratory where he studied the ultrafast photophysics of semiconducting quantum dots. Dr. Bartko is a senior scientist in Battelle's Technology Development Group where he contributes to several applied spectroscopy efforts that focus on biological and chemical sensing. Dr. Bartko is the manager and technical leader of an interdisciplinary team that is developing Battelle's Resource Effective Bioidentification System (REBS). Rapid microbial sensing capabilities of REBS have been shown to have practical and strategic importance where rapid, accurate and precise microbial contamination control is required. Dr. Bartko has developed several rapid microbial control applications for industries such as defense, security and industrial market sectors.