



**John G. Shabushnig, Ph.D.**  
Sr. Manager,  
Global Quality Operations, Pfizer Inc.

**TITLE:** If this is Rapid Micro ... Why is it taking so long?

**BRIEF DESCRIPTION:** This talk will discuss the experiences of the Alternative / Rapid Microbiological (ARMM) Application Development Team (ADT) within Pfizer. This cross-functional team was formed to guide the implementation of new microbiological methods in Pfizer R&D and Manufacturing. Lessons learned in technology assessment, application development and implementation will be shared.

**John Shabushnig** is currently a Sr. Manager in Pfizer's Global Quality Operations, responsible for providing microbiology and aseptic manufacturing technical support to injectable manufacturing sites worldwide. He began his career in the pharmaceutical industry with The Upjohn Company in 1984 as a Research Scientist. With the formation of Pharmacia and Upjohn in 1995, he became the Director of Technical Support and Engineering. He was subsequently promoted to the position of Business Unit Director, Center for Advanced Sterile Technology (CAST), Pharmacia's sterile isolator manufacturing facility, in 2001.

John holds a B.S. in Chemistry from Carroll College and a Ph.D. in Analytical Chemistry from Indiana University. He is an active member of the Parenteral Drug Association (PDA), serving as Chair of the Board of Directors, as a member of the Science Advisory Board and as the leader of the Visual Inspection Interest Group. He also serves on the USP Parenteral Products Industrial Expert Committee (PPIEC) and the Ad hoc Committee on Visual Inspection and is a member of the American Chemical Society (ACS). John has published and presented numerous papers on the subjects of spectroscopic analysis, process analytical technology (PAT) and visual inspection of pharmaceutical products.