

**Joseph T. Walsh, Jr.**  
**Vice President for Research**  
**Northwestern University**

Dr. Walsh is the Vice President for Research at Northwestern University where he oversees the research infrastructure on the campuses in both Evanston and Chicago, Illinois and where he develops and helps implement the strategic plan for the university's research operations.

Dr. Walsh is also a Professor of Biomedical Engineering. His research area is the study of light-tissue interactions. He has an approximately 20-year history of investigating the photophysics and photobiology of laser-based ablation. He is currently investigating tissue birefringence feedback systems, the propagation of polarized light in tissue, optically induced stimulation of the auditory system, and nanostructured surfaces for biosensing applications. He has been the principle investigator on several NSF and NIH grants as well as industry sponsored translational research. Dr. Walsh has been a program chairman for 5 major conferences in his field; most recently as the program chairman for the 2006 Annual Meeting of the Biomedical Engineering Society. He is a past-president of the American Society for Laser Medicine and Surgery.

Dr. Walsh conducted his doctoral research in the Wellman Laboratories at the Massachusetts General Hospital, received his Ph.D. from the Harvard-MIT Division of Health Science and Technology, and BS and MS degrees in Electrical Engineering from MIT.