The Biomedical Knowledge Management Lab at ASU engages in research on modeling, representation, and dissemination of biomedical knowledge as well as development and implementation of knowledge-driven information resources, tools, and systems. Specific research topics include: 1) development of computer-based models to represent clinical practice guidelines, healthcare processes, and clinical research protocols; 2) information management in specific context of workflow and team collaboration; and 3) delivery of technology-mediated behavioral interventions to facilitate biomedical knowledge translation, healthcare processes, and patient outcomes. Our works have been applied to address real-world challenges such as improvement of childhood immunization rate, support of post-CABG critical pathway, screening of patients with major depression, assistance of diabetic foot-care, enhancement of visit compliance in ambulatory mental health care, facilitation of subject recruitment and retention for clinical research, and management of HIV/AIDS patients.

Contact Information

Dongwen Wang, PhD
Professor of Biomedical Informatics
Arizona State University
13212 E. Shea Blvd.
Mayo Clinic, Johnson Research Building, Room 288
Scottsdale, AZ 85259
donwen.wang@asu.edu
480-884-0264