



**KYU RHEE, MD, MPP**

Vice President, Chief Health Officer, IBM Corporation, IBM Watson Health

**Full biography**

Dr. Rhee serves as Chief Health Officer of IBM, where he has global responsibilities for Watson Health and assuring a Culture of Health at IBM. Prior to joining IBM, Dr. Rhee was Chief Public Health Officer at the Health Resources and Services Administration (HRSA), which is the primary federal agency for improving access to health care services for people who are uninsured, isolated, or medically vulnerable. While at HRSA, he served on and led numerous national initiatives related to prevention, quality, and public health. Dr. Rhee also served as the Director of the Office of Innovation and Program Coordination at the National Institutes of Health (NIH), which is the primary federal agency for research. While at NIH, he served on and led numerous initiatives related to eliminating health disparities and promoting health equity. Prior to his federal government service, he worked in community health settings as the Chief Medical Officer of Baltimore Medical System Inc., the largest network of Federally Qualified Health Centers in Maryland. In addition, Dr. Rhee served five years as a National Health Service Corps Scholar and Medical Director at Upper Cardozo Health Center, the largest community health center in Washington, DC. During that time, he taught at the George Washington University School of Public Health, where he received a “Best Teacher” award for his class in Community Health Leadership.

Dr. Rhee was a Chief Resident and performed his medical residency training in both internal medicine and pediatrics at Cedars-Sinai Medical Center in Los Angeles. He obtained his medical degree from the University of Southern California. Dr. Rhee also holds a master's degree in public policy from the John F. Kennedy School of Government, Harvard University with a concentration in Health Care Policy. He acquired his Bachelor in Science degree from Yale University in Molecular Biophysics and Biochemistry, where he also served as President of the study body.

In addition to his service on various public and private sector committees and boards, including those sponsored by the Institute of Medicine, Agency for Healthcare Research and Quality, the Robert Wood Johnson Foundation, the Clinton Foundation, the National Quality Forum, and the National Business Group on Health, Dr. Rhee speaks frequently and has published in numerous peer-reviewed journals, including *American Family Physician*, *Pediatric Annals*, *Journal of Health Care for the Poor and Underserved*, and the *American Journal of Public Health*.



**EDWARD H. (TED) SHORTLIFFE, MD, PhD**

Adjunct Professor of Biomedical Informatics, Columbia University

### **Full biography**

Edward H. Shortliffe is Professor of Biomedical Informatics and Senior Advisor to the Dean in the College of Health Solutions at Arizona State University (35% time, 2012-present). Based in New York City, he is also an Adjunct Professor of Biomedical Informatics at Columbia University's College of Physicians and Surgeons and an Adjunct Professor of Healthcare Policy and Research (Health Informatics) at Weill Cornell Medical College. Previously he served from July 2009 through March 2012 as President and Chief Executive Officer of the American Medical Informatics Association (AMIA), headquartered in Bethesda, MD. From November 2009 until October 2011 he held a position as Professor in the School of Biomedical Informatics at the University of Texas in Houston. Between 2007 and 2009 he was Professor of Biomedical Informatics at Arizona State University, Professor of Basic Medical Sciences, and Professor of Medicine at the University of Arizona College of Medicine. He served as the founding dean of the Phoenix campus of the University of Arizona's College of Medicine from 2007-2008. Before that he was the Rolf A. Scholdager Professor and Chair of the Department of Biomedical Informatics at Columbia College of Physicians and Surgeons (2000-2007) and Professor of Medicine and of Computer Science at Stanford University (1979-2000).

After receiving an A.B. in Applied Mathematics from Harvard College (1970), he moved to Stanford University where he was awarded a Ph.D. in Medical Information Sciences (1975) and an M.D. (1976). He was principal developer of the medical expert system known as MYCIN (1973-1975). After internal medicine training at Massachusetts General Hospital and Stanford Hospital between (1976-1979), he joined the Stanford faculty

Specialties: medical education, biomedical informatics, clinical decision support systems, role of the Internet in health and health care, Federal health IT policy



**VIMLA PATEL, PhD**

Professor, Department of Biomedical Informatics, Arizona State University

**Bio:**

Dr. Patel is a Senior Research Scientist and Director of the Center for Cognitive Studies in Medicine and Public Health at the New York Academy of Medicine.

She holds a BSc in Biochemistry from Otago University in New Zealand and a MA and Ph.D. in Educational and Cognitive Psychology (Medical Cognition) from McGill University in Montreal. As Professor of Medicine and the director of Cognitive Science Center at McGill, her early research focused on scientific foundations for medical and health education, particularly in cognitive foundations of medical decision-making. Subsequently, she expanded these research activities with an informatics focus at Columbia and Arizona State Universities as well as at University of Texas-Houston, where she was appointed as professor in their departments of Biomedical Informatics with joint or adjunct appointments in the NY Institute of Mental Health (Columbia), Department of Psychology (ASU) and School of Psychiatry and Behavioral Health Science (UTH). This allowed her to explore the relationship between Cognitive, behavioral and information sciences in the biomedical domain.

An elected fellow of the Royal Society of Canada (Academy of Social Sciences), the American College of Medical Informatics, and the New York Academy of Medicine, she was a recipient of the annual Swedish "Woman of Science" award in 1999. She received an Honorary Doctor of Science degree from the University of Victoria in 1998, in recognition of her contributions through cognitive studies in the domain of health informatics. She is an associate editor of the Journal of Biomedical Informatics and sits on the editorial boards of Artificial Intelligence in Medicine and Advances in Health Science Education. She is a past assistant editor of Artificial Intelligence in Medicine and has served on the editorial boards of Medical Decision Making, the Journal of Experimental Psychology, Topics in Cognitive Science and Computers in Biology and Medicine.

In her 28-year career dedicated to academic research and education, Dr. Patel spent the first 18 on research related to cognitive mechanisms underlying human performance in health care and in medical decision-making. The last decade has still been spent working on human cognition in health care, addressing issues of cognition in biomedical informatics (human-computer interaction, cognitive design, decision support, distributed cognition, and team decision making, especially in critical care settings). After moving to the US in 2000, she became the principal investigator on two R01 awards both of which focused on cognitive decision making and errors, one in critical care setting (NLM) and another with young adults's sexual risk taking behaviors (NIMH). With awards from Science Foundation Arizona and the Office of National Coordinators (ONC) in Washington, she forged to build a closer tie between cognitive psychological principles and health information technology. She just completed very successful

a major 5-year James S. McDonnell Foundation research project on Complexity and Error in Health Care and is a most recent recipient of another R01 from AHRQ related to Impact of Meaningful Use on Clinical Workflow in Emergency Departments. She has mentored 34 master's students, 23 doctoral students, and 20 post-doctoral and research fellows in her 28-year career. She has over 300 scholarly publications spanning biomedical Informatics, education, clinical, and cognitive science journals and an editor of six books.



**GRETCHEN JACKSON, MD, PhD**

Vice President and Director, Evaluation Research Center, IBM Watson Health

#### **Patient Care Emphasis**

General pediatric surgery, laparoscopic surgery, with a strong interest in both fetal and neonatal surgical technique.

#### **Education**

- Ph.D., Medical Information Sciences, Stanford University, 1997
- M.D., Stanford University, 1996
- B.A., Electrical Engineering and Biological Sciences, Stanford University

#### **Postgraduate Training**

- Chief Resident, General Surgery, Duke University Medical Center, Durham, NC Fellowships, 2003-04
- Fellow, Pediatric Surgery, Children's Hospital of Pittsburgh, Pittsburgh, PA, 2004-06

#### **Bio**

Gretchen Purcell Jackson is an Associate Professor of Surgery, Pediatrics, and Biomedical Informatics at the Vanderbilt University Medical Center. Dr. Jackson is an actively practicing pediatric surgeon and internationally recognized informatics professional with over 25 years of contributions to surgical science, informatics research, and innovations in health information technologies. Her current research is focused on empowering patients and families through health information technologies. She is the research director of the MyHealthatVanderbilt patient portal, and her work explores the use of and disparities created by such technologies. She is the principal investigator for two large cross-sectional and longitudinal studies about the information needs of pregnant women and their caregivers, funded by the Agency for Health Research and Quality.



**CHUN-YOU (JIM) CHEN, MD**

Chief Medical Information Officer, Taipei Municipal Wanfang Hospital

**Current Positions**

- Attending Physician ---Dep. of Radiation Oncology, Wanfang Hospital, Taiwan
- Chief Medical Information Officer ---Wanfang Hospital, Taiwan
- Project Director ---Clinical adoption and EMR system integration of Watson for Oncology, Taipei Cancer Center, Taipei Medical University

**Fields of Expertise**

- Hospital information system
- Clinical Decision Support Systems
- Data Analysis

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**BIO**

Dr. Chun-You (Jim) Chen is a radiation oncologist and also a full-stack developer. He is a self-taught programmer and has more than 15 years' experience of developing applications including frontend and backend. After graduating from medical school of TMU, he started to work as a clinician in Wanfang Hospital since 2011. During his residentship, a popular healthcare information system with decision support functions was developed by him. He currently serves as the Chief Medical Information Officer of Wanfang Hospital since 2016. He is also in charge of clinical adoption and EMR system integration of Watson for Oncology in Taipei Cancer Center of Taipei Medical University.