

**Edward H. Shortliffe** is Chair Emeritus and Adjunct Professor in the Department of Biomedical Informatics at Columbia University's Vagelos College of Physicians and Surgeons. He is also Adjunct Professor of Biomedical Informatics in the College of Health Solutions at Arizona State University and Adjunct Professor of Healthcare Policy and Research (Health Informatics) at Weill Cornell Medical College. From 2016-2020 he served as a Senior Executive Consultant to IBM Watson Health. Previously he was a Scholar in Residence at the New York Academy of Medicine (2012-2016) and served from July 2009 through March 2012 as President and Chief Executive Officer of the American Medical Informatics Association (AMIA). From November 2009 until October 2011 he held a position as Professor in the School of Biomedical Informatics at the University of Texas Health Science Center in Houston. Between 2007 and 2009 he was Professor of Biomedical Informatics at Arizona State University and 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 in New York City (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 in 1970, he moved to Stanford University where he was awarded a Ph.D. in Medical Information Sciences in 1975 and an M.D. in 1976. During the early-1970s, he was principal developer of the medical expert system known as MYCIN, which constituted his doctoral dissertation. After a pause for internal medicine house-staff training at Massachusetts General Hospital and Stanford Hospital between 1976 and 1979, he joined the Stanford internal medicine faculty where he served as Chief of General Internal Medicine, Associate Chair of Medicine for Primary Care, and was director of an active research program in clinical information systems and decision support. He spearheaded the formation of a Stanford graduate degree program in biomedical informatics and divided his time among clinical medicine, program management, and biomedical informatics research. In January 2000 he moved to become biomedical informatics department chair at Columbia University, where he was also Deputy Vice President (Columbia University Medical Center) and Senior Associate Dean (College of Physicians and Surgeons) for Strategic Information Resources, Professor of Medicine, Professor of Computer Science, and Director of Medical Informatics Services for the New York-Presbyterian Hospital. He continues to be closely involved with medical education and biomedical informatics graduate training. His research interests include the broad range of issues related to integrated decision-support systems, their effective implementation, and the role of the Internet in health care.

Dr. Shortliffe is an elected member of the National Academy of Medicine (formerly Institute of Medicine), the American Society for Clinical Investigation, the Association of American Physicians, and the American Clinical and Climatological Association. He has also been elected to fellowship in the American College of Medical Informatics, the American Association for Artificial Intelligence, and the American Institute for Medical and Biological Engineering. He is a Master of the American College of Physicians (ACP) and was a member of that organization's Board of Regents from 1996-2002. He was Editor-in-Chief of the *Journal of Biomedical*

*Informatics* (2001-2020) and is now Editor Emeritus. In the early 1980s he was recipient of a research career development award from the National Library of Medicine. In addition, he received the Grace Murray Hopper Award of the Association for Computing Machinery in 1976, the Morris F. Collen Award of the American College of Medical Informatics in 2006, the François Grémy Award of the International Medical Informatics Association in 2021, and has been a Henry J. Kaiser Family Foundation Faculty Scholar in General Internal Medicine. Dr. Shortliffe has authored over 375 articles and books in the fields of biomedical computing and artificial intelligence. Volumes include *Computer-Based Medical Consultations: MYCIN* (Elsevier/North Holland, 1976), *Readings in Medical Artificial Intelligence: the First Decade* (with W.J. Clancey; Addison-Wesley, 1984), *Rule-Based Expert Systems: The MYCIN Experiments of the Stanford Heuristic Programming Project* (with B.G. Buchanan; Addison-Wesley, 1984), *Medical Informatics: Computer Applications in Health Care and Biomedicine* (with L.E. Perreault, G. Wiederhold, and L.M. Fagan; Reading, MA: Addison-Wesley, 1990; 2nd edition, New York: Springer-Verlag, 2000), and *Biomedical Informatics: Computer Applications in Health Care and Biomedicine* (with J.J. Cimino, 3rd edition, New York: Springer, 2006 and 4th edition, London: Springer, 2014; with J.J. Cimino and M.F. Chiang, 5<sup>th</sup> edition, London: Springer, 2021).