

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel in the order listed for Form Page 2.

Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Frisse, Mark E.	POSITION TITLE Accenture Professor of Biomedical Informatics		
eRA COMMONS USER NAME			
EDUCATION/TRAINING ( <i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i> )			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Notre Dame	B.S.	1974	Preprofessional Studies
Washington University	M.D.	1978	Medicine
Stanford University	M.S.	1987	Computer Science
Washington University	M.B.A.	1997	Business Administration

**A. Position and Honors.**

1978 - 1980 Resident, Internal Medicine, Washington University  
1980 - 1982 Post-Doctoral Fellow, , Hematology and Oncology, Washington University  
1982 - 1983 Instructor, Internal Medicine, Washington University  
1982 - 1983 Chief Resident, Internal Medicine, Washington University  
1983 - 1991 Assistant Professor, Internal Medicine, Washington University  
1985 - 1987 NLM Training Fellow, Division of Medical Informatics, Stanford University  
1991 - 1998 Associate Professor with Tenure, Internal Medicine, Washington University  
1998 - 1999 Professor, Internal Medicine, Washington University  
1999 - 2002 Vice President and Chief Medical Officer, , Express Scripts  
2002 - 2004 Vice President, Clinical Transformation, First Consulting Group  
2004 - present Accenture Professor, Biomedical Informatics, Vanderbilt University

**Honors**

1974 Phi Beta Kappa  
1974 Baldinger Pre-Medical Sciences Award  
1978 Upjohn Prize for Metabolism Research  
1978 Robert Carter Award  
1978 Alpha Omega Alpha  
1987-1990 ACP Teaching and Research Scholar  
1989 Fellow, American College of Physicians  
1989-1992 Board of Scientific Counselors, Lister Hill Center  
1991 Fellow, American College of Medical Informatics  
1992-1995 Board of Directors, American Medical Informatics Association  
1992 Program Chair - the Sixteenth Annual Symposium on Computer Applications in Medical Care  
1994-1997 National Board of Directors, Epilepsy Foundation of America  
1997 Ida & George Elliot Prize (Medical Library Association)  
1997 Co-Chair, National Program Committee for the Medical Library Association  
1998-2000 Committee, Enhancing the Internet for Medical Applications, National Research Council, Computer Science and Telecommunications Board, National Academies of Science and Engineering  
2003-2006 Board of Directors, American Medical Informatics Association  
2005-2006 Co-Chair, Connecting for Health, Policy Subcommittee

2006-present Board of Directors, eHealth Initiative

**B. Selected peer-reviewed publications (in chronological order).**

1. Scheidt, WR, Frisse, ME. Nitrosylmetalloporphyrins. II. Synthesis and molecular stereochemistry of nitrosyl-alpha, beta, gamma, delta,-tetraphenylporphinatoiron (ii. J Am Chem Soc, 97(1), 17-21, 1975.
2. Mill, WB, Frisse, ME. Herpes zoster in Hodgkin's disease. Mo Med, 75(10), 515-8, 1978.
3. Zimmerman, JB, Cousins, SB, Hartzell, KM, Frisse, ME, Kahn, MG. A psychophysical comparison of two methods for adaptive histogram equalization. J Digit Imaging, 2(2), 82-91, 1989.
4. Frisse, ME. The case for hypermedia. Acad Med, 65(1), 17-9, 1990.
5. Cousins, SB, Frisse, ME, Chen, W, Mead, CN. Stochastic simulation algorithms for query networks. Proc Annu Symp Comput Appl Med Care, 696-700, 1991.
6. Frisse, ME, Cousins, SB, Hassan, SW. Information retrieval using a "digital book shelf". Proc Annu Symp Comput Appl Med Care, 803-7, 1991.
7. Frisse, ME. Ubiquitous computing. Acad Med, 67(10), 642-4, 1992.
8. Frisse, ME. The health of the computer-based patient record. Acad Med, 67(7), 441-3, 1992.
9. Frisse, ME. Medical informatics in academic health science centers. Acad Med, 67(4), 238-41, 1992.
10. Frisse, ME, Marrs, K, Schoening, P. A method for publishing genomic maps. Proc Annu Symp Comput Appl Med Care, 376-9, 1992.
11. Cousins, SB, Chen, W, Frisse, ME. A tutorial introduction to stochastic simulation algorithms for belief networks. Artif Intell Med, 5(4), 315-40, 1993.
12. Frisse, ME. Making networks work. Acad Med, 68(10), 764-6, 1993.
13. Frisse, M. Artificial intelligence: boon to practice or threat to autonomy? Interview by Diana Madden. Internist, 35(5), 11-5, 1994.
14. Frisse, ME. Acquiring information management skills. Acad Med, 69(10), 803-6, 1994.
15. Frisse, ME, Kelly, EA, Metcalfe, ES. An Internet primer: resources and responsibilities. Acad Med, 69(1), 20-4, 1994.
16. Frisse, ME, Schnase, JL, Metcalfe, ES. Models for patient records. Acad Med, 69(7), 546-50, 1994.
17. Jain, NL, Murphy, JF, Hassan, SW, Cunnius, EL, Metcalfe, ES, Schnase, JL, Schoening, PA, Spooner, SA, Frisse, ME. Interactive electronic whiteboards in the medical classroom. Proc Annu Symp Comput Appl Med Care, 54-8, 1994.
18. Metcalfe, ES, Frisse, ME, Hassan, SW, Schnase, JL. Academic networks: mosaic and world wide web. Acad Med, 69(4), 270-3, 1994.
19. Braude, RM, Florance, V, Frisse, M, Fuller, S. The organization of the digital library. Acad Med, 70(4), 286-91, 1995.
20. Florance, V, Braude, RM, Frisse, ME, Fuller, S. Educating physicians to use the digital library. Acad Med, 70(7), 597-602, 1995.
21. Frisse, ME, Braude, RM, Florance, V, Fuller, S. Informatics and medical libraries: changing needs and changing roles. Acad Med, 70(1), 30-5, 1995.
22. Fuller, S, Braude, RM, Florance, V, Frisse, ME. Managing information in the academic medical center: building an integrated information environment. Acad Med, 70(10), 887-91, 1995.
23. Frisse, ME. Digital libraries & information retrieval. Proc AMIA Annu Fall Symp, 320-2, 1996.
24. Frisse, ME. What is the Internet learning about you while you are learning about the Internet. Acad Med, 71(10), 1064-7, 1996.
25. Frisse, ME. The commerce of ideas: Internets and Intranets. Acad Med, 71(7), 749-53, 1996.
26. Frisse, ME, Tolva, JN. The commerce of ideas: copyright in the digital era. Acad Med, 71(1), 45-53, 1996.
27. Frisse, ME. Re-imagining the medical informatics curriculum. Acad Med, 72(1), 36-41, 1997.
28. Frisse, ME, Florance, V. A library for internists IX. Recommendations from the American College of Physicians. Ann Intern Med, 126(10), 836-46, 1997.
29. Frisse, ME. Technology and physician responsibility. MD Comput, 15(4), 212-3, 1998.
30. Frisse, ME. Computers and productivity: is it time for a reality check. Acad Med, 73(1), 59-64, 1998.

31. Frisse, ME, Musen, MA, Slack, WV, Stead, WW. How should we organize to do informatics? Report of the ACMI Debate at the 1997 AMIA Fall Symposium. J Am Med Inform Assoc, 5(3), 293-304, 1998.
32. McNamee, LA, Launsby, BD, Frisse, ME, Lehmann, R, Ebker, K. Scaling an expert system data mart: more facilities in real-time. Proc AMIA Symp, 498-502, 1998.
33. Frisse, MC. The business value of health care information technology. J Am Med Inform Assoc, 6(5), 361-7, 1999.
34. Frisse, ME. Healthcare in a networked world. J Am Coll Dent, 66(2), 51-6, 1999.
35. McMullin, ST, Reichley, RM, Watson, LA, Steib, SA, Frisse, ME, Bailey, TC. Impact of a Web-based clinical information system on cisapride drug interactions and patient safety. Arch Intern Med, 159(17), 2077-82, 1999.
36. Piccirillo, JF, Mager, DE, Frisse, ME, Brophy, RH, Goggin, A. Impact of first-line vs. second-line antibiotics for the treatment of acute uncomplicated sinusitis. JAMA, 286(15), 1849-56, 2001.
37. Cox, ER, Motheral, B, Frisse, M, Behm, A, Mager, D. Prescribing COX-2s for patients new to cyclooxygenase inhibition therapy. Am J Manag Care, 9(11), 735-42, 2003.
38. Cox, ER, Frisse, M, Behm, A, Fairman, KA. Over-the-counter pain reliever and aspirin use within a sample of long-term cyclooxygenase 2 users. Arch Intern Med, 164(11), 1243-6, 2004.
39. Frisse, ME, Metzger, J. Information Technology in the Rural Setting: Challenges and More Challenges. J Am Med Inform Assoc., 2004.
40. Frisse, ME. State and community-based efforts to foster interoperability. Tennessee's brand-new data-sharing initiative has benefited from the experience of four other states. Health Affairs (Millwood), 24(5), 1190-6, 2005.
41. Frisse, ME, Marchibroda J, Welebob E. Health information exchange takes shape in the states. Journal of AHIMA, 2005; September: 24-29.
42. Frisse, ME. Comments on return on investment (ROI) as it applies to clinical systems. J Am Med Inform Assoc. 2006; May-Jun;13(3):365-367.

### **C. Research Support**

#### **Ongoing Research Support**

NORC- Ctr / Ctr #6275/290-04-0016 Frisse,Mark E 09/30/04 - 09/29/09  
University of Chicago  
Health Information Technology Resource Center – Agency for Healthcare  
Research and Quality  
Role: PI

290-04-0016 Frisse,Mark E 09/30/04 - 09/29/06  
State of Tennessee - Federal Formula  
State and Regional Demonstrations of Health Information Technology VUMC  
31201 – Agency for Healthcare Research and Quality  
Role: PI

#### **Completed Research Support**

GR-05-16751-02 Frisse,Mark E 08/18/04 - 09/30/05  
State of Tennessee - Bureau of TennCare  
"Creation of a not-for-profit Regional Health Information Organization (RHIO);  
Volunteer eHealth Initiative Planning Project" VUMC 31227  
Role: PI