

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel in the order listed on Form Page 2.  
Photocopy this page or follow this format for each person.

NAME	POSITION TITLE
Robert J. Robbins	Vice President, Information Technology

  

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
Stanford University	AB	1966	History
Michigan State University	BS	1973	Zoology
Michigan State University	MS	1974	Biological Science
Michigan State University	PhD	1977	Zoology
University of California at Davis	Post-doctoral	1978-1979	Animal Behavior

**RESEARCH AND PROFESSIONAL EXPERIENCE:** Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

**RESEARCH AND PROFESSIONAL EXPERIENCE:**

- 1977 - 1982 Assistant Professor, Biological Science and Zoology, Michigan State University, East Lansing, MI
- 1992 - 1989 Associate Professor, Biological Science and Zoology, Michigan State University, East Lansing, MI
- 1987 - 1991 Program Director, Database Activities in the Biological Sciences, National Science Foundation, Washington, DC (on leave from MSU 1987-1988).
- 1991 - 1993 Director, Applied Research Laboratory, Wm H. Welch Medical Library, School of Medicine, Johns Hopkins University
- 1991 - 1993 Director, Informatics Core, Genome Data Base, Johns Hopkins University
- 1991 - 1995 Associate Professor, Department of Medicine, Johns Hopkins University, Baltimore, MD
- 1993 - 1995 Program Director, Bioinformation Infrastructure, Office of Health and Environmental Research, US Department of Energy, Washington, DC (on leave from JHU 1993-1995)
- 1995 - present Vice President, Information Technology, Fred Hutchinson Cancer Research Center, Seattle, WA

**PUBLICATIONS:**

- In press Predictors of Women's Internet Access and Internet Health Seeking. *Health Care for Women International*. (Fifth author, with D. Bowen, H. Meischke, N. Bush, J. Wooldridge, A. Ludwig, and G. Escamilla, co-authors)
- 2003 Early Experience with a Web-based intervention to inform risk of breast cancer. 2003. *Journal of Health Psychology*. 8(1):175-186. (Last author, with D. Bowen, A. Ludwig, N. Bush, H. Unruh, H. Meischke, J. Wooldridge, co-authors)
- 1996 Bioinformatics: Essential infrastructure for global biology. *Journal of Computational Biology*, 3:465-478.
- 1996 Comparative genomics: A new integrative biology. In Collado-Vides, J., Magasanik, B., and Smith, T. (Eds) *Integrative Approaches to Molecular Biology*. Cambridge, Massachusetts: MIT Press. pp. 63-90
- 1995 Information infrastructure. *IEEE Engineering in Medicine and Biology*, 14(6): 746-759.
- 1995 Informatics and the human genome project. *IEEE Engineering in Medicine and Biology*. 14(6): 694-701. (First author, with D. Benton and J. Snoddy, co-authors)
- 1994 Genome informatics I: Community databases. *Journal of Computational Biology*, 1:173-190.
- 1994 Representing genomic maps in a relational database. In S. Suhai (ed.) *Computational Methods in Genome Research*. New York: Plenum Publishing Company. pp. 85-96.
- 1994 Biological Databases: A New Scientific Literature. *Publishing Research Quarterly*, 10:1-27.
- 1993 *Bioinformatics, Supercomputing and Complex Genome Analysis*. Singapore: World Scientific Publishing Company. 850 pp. (fourth editor, with H. A. Lim, J. W. Fickett, C. R. Cantor co-editors)

- 1993 CCM92 informatics report. In Cuticchia, A. J., Pearson, P. L., and H. P. Klinger (eds) Chromosome Coordinating Meeting 1992, *Genome Priority Reports, vol. 1*. Basel: S. Karger A. G.
- 1993 The GDB Human Genome Data Base Anno 1993. *Nucleic Acids Research*, 21:3003–3006. (Fourth author, with A. J. Cuticchia, K. H. Fasman, D. T. Kingsbury, and P. L. Pearson, co–authors)
- 1993 Genome informatics: Requirements and challenges. In H. A. Lim, J. W. Fickett, C. R. Cantor, and R. J. Robbins (eds) *Bioinformatics, Supercomputing and Complex Genome Analysis*. Singapore: World Scientific Publishing Company.
- 1992 Challenges in the Human Genome Project. *IEEE Engineering in Medicine and Biology*. 11:25–34.
- 1992 The GDB Human Genome Data Base Anno 1992. *Nucleic Acids Research*, 20(Supplement):2201–2206. (Fourth author, with P. L. Pearson, N. W. Matheson, and D. C. Flescher, co–authors)
- 1991 The human genome initiative — Do databases reflect current progress? *Science*, 254:215–215. (Fourth author, with P. L. Pearson, B. Maidak, and M. Chipperfield, co–authors)
- 1991 Report of the informatics committee. *Cytogenetics and Cell Genetics*, 58:779–784. (Fourth author, with C. J. Rawlings, C. Brunn, S. Bryant, and R. E. Lucier, co–authors)

**INVITED TALKS:**

- 2003 Background Standards – The Critical Missing Piece. NIST workshop: Information Science Standards to Enable Biomedical Research. 4–5 November 2003. Bethesda, Maryland.
- 2003 Digital Publishing Support. Fall Meeting, BRIITE (Biomedical Research Institutions Information Technology Exchange). 10–13 September 2003. Seattle, Washington.
- 2003 Strategic Planning for IT Support of Grant-funded Research. Fall Meeting, BRIITE (Biomedical Research Institutions Information Technology Exchange). 10–13 September 2003. Seattle, Washington.
- 2002 Integrating Bioinformatics Data into Science: From Molecules to Biodiversity. 18th International CODATA Conference, 29 Sep–3 Oct 2002. Montreal, Canada.
- 2001 Bioinformatics and the New Information Technologies. The Canadian Biodiversity Network Conference, 1–4 Mar 2001. Ottawa, Ontario, Canada.
- 2000 Leadership by Example. AAAS Annual Meeting, 17–22 Feb 2000. Washington, DC.
- 1998 Economic Impact of Bioinformatics. ATCC Bioinformatics Symposium, 6 November 1998. Bethesda, Maryland.
- 1998 Information, Logistics, and 21<sup>st</sup> Century Research. Cancer Centers Administrators Forum, 12 October 1998. Portland, Oregon.
- 1998 Information Technology: The Foundation for 21st Century Research. Keynote Address, Self Graduate Fellowship Retreat, 16-18 August 1998. Kansas City, Missouri.
- 1998 What is Biological Informatics? (keynote address) Australian National Academy of Sciences Conference on Biological Informatics. Canberra, Australia. 6-8 July 1998.
- 1998 Systems Development in Research Organizations. Invited talk, Office of the Vice President for Research, Northwestern University, Evanston, Illinois. 16 February 1998.

**NATIONAL OR INTERNATIONAL COMMITTEE ACTIVITIES:**

- 1999 - 2003 Board of Trustees, BIOSIS
- 1998 - present National Advisory Board (NAB) for the LTER Network and Network Office
- 1998 - present Steering Committee for the Human Genome Epidemiology Network (HuGE Net), Office of Genetics and Disease Prevention, Center for Disease Control
- 1996 - present Advisory Board, *Arabidopsis* Genome Database
- 1995 - present External Advisory Board of the USC Brain Project
- 1993 - 1995 Advisory Board, Brain Map Database.
- 1993 - 1993 Committee on the Formation of the National Biological Survey, National Research Council
- 1988 - present Advisory Committee of the Coli Genetic Stock Center at Yale University