
Michelle Murrain

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Personal Data

Birthdate: August 5, 1959

Birthplace: New York, NY

EducationGraduate

2005-2006 Pacific School of Religion

Berkeley, CA 94709

Certificate of Theological Studies

1991-1993 University of Massachusetts, Amherst

Amherst, MA 01003

Graduate Courses in Epidemiology and Public Health

1981-1987 Case Western Reserve University

Cleveland, OH 44106

Ph.D. degree in Biology, May 1987Undergraduate

1977-1981 Bennington College

Bennington, VT 05201

B.A. degree in Natural Science and Math, June 1981**Positions Held**

Technology Consultant to Non-profit organizations, 1996-present

Associate Professor of Biology, Hampshire College, 1995-1999

Acting Director, Five College Women's Studies Research Center, Fall 1998

Acting Dean of Multicultural Affairs, Hampshire College, Spring 1996

Assistant Professor of Biology, Hampshire College, 1989-1995

Post Doctoral Fellow, Colorado State University, 1987-1989

Honors and Fellowships

Sigma Xi Distinguished Lecturer, 1997-1999

James E. Blackwell Distinguished Black Scholar, 1992

Graduate Fellowship, Case Western Reserve University, 1981-1987

Academic/Professional Publications

Murrain, M. Open Office: Open Source Productivity Application. Lasa ICT Hub Knowledgebase. August, 2007 (<http://www.ictHubKnowledgebase.org.uk/openoffice2>)

Murrain, M. Database Options for the Macintosh. Lasa ICT Hub Knowledgebase. July 2007 (<http://www.ictHubKnowledgebase.org.uk/macdatabases>)

Murrain, M. Still Searching for the Holy Grail of Data Integration. NTEN Connect, June 2007 (<http://nten.org/blog/2007/06/25/still-searching-for-the-holy-grail-of-data-integration>)

Murrain, M. Open Content for Nonprofits. Third Sector New England e-bulletin. May, 2007

(http://www.tsne.org/site/c.ghLUK3PCLoF/b.2735641/k.62A6/Articles__Open_Content.htm)

Murrain, M. Let's Talk: How Open APIs Can Change How Nonprofits Manage Data. Nonprofit Technology Enterprise Network. March, 2007

Murrain, M. with R. Cowan, R. Silvers, A. Schneiderman, A. Hickman and J. McClelland. Choosing and Using Open Source Software: A primer for Nonprofits. Non Profit Open Source Initiative: 2004

Murrain, M. and Verclas, K. "Using Open Source Software in Your Nonprofit Organization" Dot Org Media #11: February, 2004

Murrain, M. and Cohen, D. "Infrastructure Outsourcing for Nonprofit Organizations" Dot Org Media: Adopting Technology Series: 2003

Murrain, M. "Open Source Database Technologies", TechSoup, April 2002

Chase, J. Bruno, M. Murrain, M. and Chase, C. School/College Partnerships: Inquiry Based Science and Technology for all students and Teachers, 1997

Murrain, M. and Barker, T. (1997) Investigating the Link Between Economic Status and HIV Risk. The Journal of Health Care for the Poor and Underserved, 8(4):416-23.

Murrain, M.(1996) Differential Survival in Blacks and Hispanics with AIDS. Ethnicity and Health., 1(4):373-82.

Murrain, M. "Caught in the Crossfire: Women and the Search for the Magic Bullet" in Gender Politics of HIV, Jennifer Manlowe and Nancy Goldstein, Eds. 1997 NY:NYU Press

McNeal, Ann P. ; Murrain Michelle, "Tips on Writing a Library Research Paper." College Teaching 43(1):1995

Murrain, M. "My perspectives on Internet Resources for Health" in Dr. Tom Linden's Guide to Online Medicine by Tom Linden, MD and Michelle Kienholz. NY:McGraw-Hill, 1995

Murrain, M. "Women of Color and AIDS: Gender, Race, Class and Science," in Race and Ethnicity in America: Meeting the Challenge in the 21st Century, Gail Thomas, Ed. NY:Taylor and Francis, 1995

Murrain, M. (1994) What Womanist Science Would Look Like. The Womanist, 1(1):17-18

McNeal, A. and Murrain, M. (1994) Drugs in the Nervous System. College Teaching, 42(2):47-50

Murrain, M. (1993) Different Rates of Opportunistic Infections in Women with AIDS. J. Women's Health. 2(3):243-250

Fletcher-Cruz, E., Koteen, E., Murrain, M., and Palladino, D. and "Women and AIDS: a Crisis in Western Massachusetts" a Report of the Western Massachusetts Women and AIDS Working Group, 1992

Murrain, M. "How AIDS Drugs Work" Positive Woman, December, 1991

Murrain, M., A.D. Murphy, L.R. Mills and S.B. Kater. (1990) Neuron-specific Modulation of Regenerative Outgrowth and Intracellular Calcium within the CNS of *Helisoma*. J. Neurobiol. 21(4):611

Mattson, M.P., M. Murrain, and P.B. Guthrie. (1990) Localized calcium influx orients axon formation in embryonic hippocampal pyramidal neurons. Dev. Brain Res. 52(1-2):201-9

Mattson, M.P., M. Murrain, P.B. Guthrie, and S.B. Kater. (1989) Fibroblast growth factor and glutamate: opposing roles in the generation and degeneration of hippocampal neuroarchitecture. J. Neurosci. 9(11):3728-3740

Murrain, M. and R.E. Ritzmann. (1988) Analysis of proprioceptive inputs to DPG interneurons in the cockroach. J. Neurobiol. 19 (6):552-570

Book Reviews

The Equity Equation:Fostering the Advancement of Women in the Sciences, Mathematics and Engineering, for College Teaching, 1997

Handbook of Black American Health, for Medical Anthropology Quarterly, 1995

Invited Lectures

"Briding the Gap Between Social and Scientific Aspects of the AIDS Epidemic" Keynote Speech, Massachusetts Department of Mental Health HIV/AIDS Trainers Conference, Fall 1996

"Race, Class and HIV Risk" Swarthmore College, Spring 1996

"Caught in the Crossfire: Women and the Search for the Magic Bullet." Brown University, Fall 1995

"Women and AIDS: Gender, Race and Class." Framingham State College, Spring 1995

"Gender, Race and AIDS clinical trials." Connecticut College, Fall 1994

Selected Conference Presentations/Abstracts

Murrain, M. *Free and Open Source Software for Activists and Movement Builders*. United States Social Forum, 2007

Murrain, M. *Open Standards: Why the grassroots should care*. Grassroots Use of Technology 2007

Murrain, M. *Sustaining and Supporting Open Source*, NTEN NTC 2004

Murrain, M. *How to Decide to Implement Open Source Software*, NTEN Boston, 2004

Murrain, M. *Technology on A Shoestring*. NTEN Roundup, 2003

Murrain, M. *Open Source for Nonprofits: Is open source software an effective solution for the nonprofit sector?* NTEN Roundup, 2003

- Murray, M., Bruno, M. and Campbell, D. *Computers in Science Education, a pre- and in-service course for teachers*. Society for Information Technology and Teacher Education, March 1997
- Murray, M. Wright, P. and Campbell D. *Technology Resource Teams: Providing Training and Support for Teachers*. Education Trust, November, 1997
- Murray, M and Goodman, A. *"The Biology of Poverty" - an Undergraduate Course on Social Inequalities in Health*, American Public Health Association Annual Meeting, November 1996
- Murray, M. *HIV/AIDS and Socioeconomic Status: The Ignored Co-Factor*. American Public Health Association Annual Meeting, October 1995
- Murray, M. *Expendable Women: Gender, Race and AZT*. National Women's Studies Association Conference, June 1995
- Murray, M. *Class Race and Science: Implications for HIV Prevention in Women*. Reversing the Trend: Strategies for HIV Prevention Among Minority Women. Texas A&M University, April 1995
- Murray, M. *Survival of Women with AIDS: An Analysis of CDC Data*. American Psychological Association: Psychosocial and Behavioral Factors in Women's Health: Creating an Agenda for the 21st Century, May 1994.
- Murray, M. *Women and AIDS: Race, Gender and Science*, Dissenting Ways of Knowing: Challenging Global Scientism, April 1994
- Murray, M. *Scientific Research and the Burden of AIDS on African-American Women*, in the panel: "The Cultural and Biological Dimensions of Global Change and Its Impact on Women in the African Diaspora," 13th International Congress of Anthropological and Ethnological Sciences, July 1993
- Murray, M., *An Analysis of Epidemiological Data on Women and HIV: Implications for Practice and Policy*, AIDS: The Second Decade — Update on Women and HIV, May 1992
- Murray, M., *The Epidemiology of Opportunistic Infections in Women and Men with AIDS*. Fifth National Forum on AIDS, Hepatitis and other Blood-Borne Diseases, April 1992
- Maguire, E. and M. Murray, The Effects of Low Molecular Weight Growth Factor on the Regeneration of an Identified Neuron in *Helisoma trivolvis*. East Coast Nerve Net, March 1992
- Murray, M., E. Koteen, and D. Palladino, *Women and AIDS*. Provisions II: Regional AIDS Conference, November 1991
- Murray, M., L.R. Mills and S.B. Kater. Visualization of Intracellular Calcium in *Helisoma* Neurons In Situ. Soc. Neurosci. Abstr. Vol 14, part 1, p583, 1988.

Selected Grants Awarded

Co-Principal investigator, NIH Science Education Partnership Award, 1995-1998. For dissemination and evaluation of Hampshire's partnership programs for pre-college science.

Co-Investigator, NIH/ADAMHA Science Education Partnership Award, 1991-1994. For an educational partnership program between Hampshire College and the Holyoke and Chicopee school systems.

Teaching activities

NinthBridge/EngenderHealth — "Linux Servers", Summer 2002 (with Jamie McLelland)

Intec Netcourse (project of the Concord Consortium) Moderator, 1999-2000

Longmeadow Schools — "Microsoft Office for Teachers and Administrators", Fall 1999 (with Paul Wright)

Springfield Public Schools Professional Development Program — "Advanced Internet: Web Page Design," 1997-98, 1998-99, 1999-2000

Springfield Public Schools Professional Development Program — "Applying Internet Skills in the Science Classroom," Spring 1996

Springfield Public Schools Professional Development Program — "Science in Cyberspace," Summer 1996

University of Massachusetts, Social Thought and Political Economy Program — STPEC 492H, "African American Health Issues," Spring 1996

SEPA Summer Teacher Training Workshops, Hampshire College — "AIDS: An Interdisciplinary Perspective," Summer 1994

Howard Hughes Pre-College Science Workshop, Hampshire College — "Environment and Health: The Effect of Lead on Childhood Behavior," Fall 1993

SEPA Summer Teacher Training Workshops, Hampshire College — "Drugs in the Nervous System" with Ann McNeal, Summer 1992

Grass Foundation Neurobiology Exchange Program, Brock University — Guest taught a week of Neurobiology Lecture and Laboratory, Spring 1991

Research Experiences for Undergraduates, Five College Neuroscience and Behavior Program — Supervised student research, Summer 1991

Howard Hughes Medical Institute Summer Program at Hampshire College — Taught and supervised student research, Summers 1990, 1991

"Women in Science," *Women's Studies Program, Colorado State University*, Fall 1988
Invited Lecturer: "Neurobiology: Discovering the Cellular Machinery of the Mind,"
Department of Anatomy and Neurobiology, Colorado State University, Spring 1989

Other Activities

Board of Directors, NTEN (Nonprofit Technology Network)	2007-present
Board of Directors, Aspiration	2004-2005
Steering Committee, Nonprofit Open Source Initiative	2001-present
Advisory Board, Public Interest Technology Project	1994-2000
Steering Committee, Five Colleges Women Studies Research Center	1994-1996
Coordinator, Hampshire College Feminist Studies Program	1994-1995
Co-Editor, Feminists in Science and Technology Newsletter	1992-1995
Western Massachusetts Women and AIDS Network Co-Chair	1993-1995
Founding member	1991-1995
Board of Trustees, Institute for Science and Interdisciplinary Studies	1991-1996
AIDS/HIV Information Trainer and Consultant	1985-1999
Co-Moderator, Sci.Med.AIDS Usenet Newsgroup	1993-1999
Sci.Med.AIDS FAQ (Frequently Asked Questions) Maintainer	1994-1999
List Manager — Minority Health Internet Mailing List	1992-1999
Board of Directors, Cleveland Gay and Lesbian Community Center	1985-1987

Bio

Michelle Murrain received her B.A. in Natural Science and Mathematics from Bennington College, and her Ph.D. in Biology from Case Western Reserve University. She was an HIV/AIDS educator and advocate in the early part of the HIV epidemic in Cleveland, OH, and was part of training hotline workers that staffed the first statewide HIV/AIDS Information hotline. Michelle taught at Hampshire College from 1989 through 1999, as Assistant and Associate Professor of Biology. She conducted studies primarily on the AIDS epidemic, particularly as it affected women and people of color. She was also involved in AIDS education and advocacy during the first half of the 1990s. She was involved in several grant-funded projects to enhance in-service science education for educators in the region, particularly in terms of use of technology in the classroom. She helped organize two conferences on technology in education, in 1998 and 1999.

Michelle has been involved in developing content and applications for the web, specifically for organizational, research and educational purposes, since 1994. In 1995, Michelle started a consulting practice that served the non-profit and educational sectors, primarily in the areas of developing database-driven web-sites, the implementation of Open Source software, and strategic technology planning. She is a nationally recognized leader in the nonprofit technology field. She is on the steering committee of the Non Profit Open Source Initiative (NOSI), and on the board of NTEN, the Nonprofit Technology Network. She was a past member of the board of Aspiration, an organization that fosters software development in the nonprofit/NGO sector.

Michelle has written many articles and reports for scholarly journals, educational and nonprofit audiences, and the public. She is also a published poet, and a writer of speculative fiction.

In 2005, Michelle wanted to explore theological issues, and incorporate them into her life and work. She went to Pacific School of Religion in Berkeley, California, and received her Certificate in Theological Studies in December of 2006. Upon returning from school, she started MetaCentric Technology Advising, a new technology advising practice, focused on helping nonprofits implement technology sustainably, through visioning, planning, and training.