

RICHARD M. DOYLE
Professor of English
US Delegate, IEC
Director of Composition
Program in Science, Medicine, Technology & Culture

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Education

Post Doctoral
Fellowship, 1994 MIT, History and Social Science of the Life Sciences

Ph.D. 1993 University of California, Berkeley
Department of Rhetoric

M.A. 1989 University of California, Berkeley
Department of Rhetoric

B.A. 1986 Georgetown University
English and Philosophy

Areas of Expertise

Rhetorics of Technoscience - molecular biology, nanotechnology, evolutionary
biology, space colonization, Open Source Software, Psychedelics
Contemporary Theory, Post-Structuralism
Postmodern Science Fiction (Burroughs, Dick)
History of the Life Sciences

Fellowship, Awards, Grants

National Science Foundation Grant, Mainstreaming Gender Analysis in Science Studies, with Londa Schiebinger, Robert Proctor and Susan Squier. 2002-2005. Grant funds graduate fellowships, post doctoral fellowships, and graduate student research.

Atherton Award for Excellence in Teaching, Penn State University, 2001.
University and State wide award

College of Liberal Arts Outstanding Teacher Award, Penn State University, 1999

Penn State Humanities Consortium Grant, "Virtual Labor, Virtual Life" Penn State Program in Science Studies, 1999-2000.

Penn State Institute for Arts and Humanistic Studies. Funded Archival Inquiry into the writings of Philip K. Dick. 1999

University of California Humanities Research Institute, visiting fellow, "Post-Disciplinary Approaches to Technoscience", February 22-29, 1996.

RGSO Penn State Faculty Fellowship for Research and Writing, Spring 1996.

RGSO Penn State Faculty Fellowship for Research and Writing, Spring 1995.

Mellon Post-Doctoral Fellowship in the History and Social Science of the Life Sciences, MIT, 1992-1993.

Humanities Research Institute Fellow, Biotechnology Group, UC Irvine, Winter 1991.

UC Berkeley Wollenberg Grant, 1989, 1990, 1991.

UC Berkeley German Center, Research Grant, July 1991.

National Merit Scholar, 1982-1986.

Books

On Beyond Living: Rhetorical Transformations of the Life Sciences, Stanford University Press, 1997. Online review available at <http://www.socresonline.org.uk/3/2/berg.html>. See reviews also in Configurations,

Quarterly Journal of Biology

Wetwares: Experiments in Post Vital Living, Theory Out of Bounds Series, University of Minnesota Press, June 2003.

Completed Manuscript

The Grasshopper Lies Heavy: critical quasi-fiction on the writings of Philip K. Dick. In submission.

Works in Progress

Darwin's Pharmacy an inquiry into scientific attempts to study ecstatic experience in the 20th century, focusing on rhetorical practices of neurochemistry and ethnobotany. Four draft chapters completed. Will complete research and additional chapters in 2005.

The Final Fix: A screenplay based on the life of William S. Burroughs. (With John Schliesser)

"The Academy and the Bazaar: Open Source Software Development and the Composition Classroom." Book proposal, composition textbook

Edited Volumes

Configurations, "Psychedelic Science", Special Issue, in press. With Elizabeth Wilson

Rhetorical Studies Quarterly, "Special Issue on Technoscience", editors Richard Doyle, Jack Selzer, Leah Ceccarelli. Introduction by Doyle and Ceccarelli.

Symploke, "Practicing Deleuze and Guattari", with Jeffrey Nealon, Fall 1999.

Edited Journals

Editor, *Philosophy and Rhetoric*, 1997-2002.

Articles

"Transgenic Involution" in Biotechnics, Massachusetts Institute of Technology Press, in Press. Editor Eduardo Kac.

"Close Encounters of the Nth Kind" in Writing Extraterrestrial. Duke University Press, in press. Editor Debbora Battaglia.

"Passages, In Lieu of Flowers", with Jeffrey Nealon. Substance, in press

"Representing Life for a Living" in Growing Explanations, Duke University Press, editor Norton Wise. 2004.

"LSDNA" in "Data Made Flesh", Routledge, 2004. Editors Rob Mitchell and Phillip Thurtle

"LSDNA: Consciousness Expansion and the Emergence of Biotechnology in America" *Philosophy and Rhetoric*, Spring 2002.

"LSDNA" in *Semiotic Flesh*, University of Washington Press, 2003. Edited by Phillip Thurtle and Rob Mitchell.

"The Coma Speaks" *PORO: A Journal of Interdisciplinary Inquiry*, Vol. I, no. I. Winter, 2001.

"Uploading Anticipation" *JAC*, Winter 2001.

"Disciplined by the Future: The Promising Bodies of Cryonics" *Science as Culture*, vol. 6, part 4, number 29. pp. 582-616.

"Remains to Be Seen: A Self Extracting Amalgam" *Late Editions*, ed. George Marcus, University of Chicago Press, 2000, pp. 103-120.

"Give Me a Body, Then": The Time-Image in the Life Sciences" *Symploke*, Fall 1999.

"Dislocating Knowledge, Thinking Out of Joint: Rhizomatics, C. Elegans, and the Importance of Being Multiple," *Configurations*, (Winter 1993).

"Emergent Power: Vitality and Theology in Artificial Life," in Writing Science, editor Timothy Lenoir, (Stanford University Press, 1998.).

"Vital Language," in Are Genes Us? The Social Implications of the Human Genome Project, (Rutgers University Press: 1994).

"Mr. Schrodinger Inside Himself," Qui Parle (summer 1992): 3-23.

Presentations

“Darwin's Pharmacy”, Invited three day seminar, October 7, 8, 9, Duquesne University, Department of Psychology. Twelve seminar hours treating the history of the biochemical model of mind.

“Sustainable Mind” Invited lecture, Center for Sustainability, Penn State University, September 2005.

“Gaia-huasca! Three Theses on Plants and Cognition” Invited lecture, Soga Del Alma Conference on Amazonian Shamanism, July 22, 2005.

“Ecodelic: Technical Problem Solving and the Plant/Machine Gradient” Invited Lecture, Symposium on Affect and Interaction, Cornell University, Information Science.

“Bubbling up Expertise: DMT Kitchen Chemistry and the Open Source University” Invited presentation, Carnegie Mellon University, April 2005.

“Darwin's Pharmacy”, Invited Lecture, UC Berkeley, Department of Rhetoric, March 18, 2005.

“From Classroom to Commons: Wikis as Peer to Peer Rhetorical Education Technologies” CCCC, March 18, 2005, San Francisco

“Wetware Protocols and Telebiometrics: An Open Source Paradigm for Cognitive Liberty and Security”, Presentation to International Telecommunications Union, United Nations, meeting in Negril, Jamaica, February 2005

“Lively Capital Indeed” (A Remix Featuring Roland Fischer and the Hallucination/Perception Continuum), Invited Lecture, “Lively Capital” workshop on “biocapital.” UC Irvine, Department of Anthropology, November 2004.

“Ecodelic: Affective Programming and Technical Innovation in Cold War Technoscience”, Society for Literature, Science and Art, October 2004

“Minding the Globe or Making a Mesh of it: Transgenic Involution and the War on Plants” Keynote Lecture, “Security Bytes”, Lancaster University, Department of Politics, August 2004

“PsycheTropics: Rhetoric and Altered Consciousness” Invited Seminar, Ohio State University, Department of Comparative Studies, April 2004. Three invited talks on transhuman ethnobotany

“Ecodelic: Psychedelics and Technical Innovation”, Research Unplugged, Penn State University. Community colloquium on university research. March 2004.

Wikidelia: Outbursts of Interconnection and Open Source Teaching, University of Minnesota, Writing Across the Curriculum, April 2004

“Psychedelics: Eloquence Adjuncts in the Human Toolkit” University of Minnesota, Department of English, April 2004.

“From Representation to Innovation: Cannabis, Psychedelics and War”, Penn State University, Roundtable on Democracy, Globalization and War, February 22, 2003.

“Becoming Alien”, Space Colonization Course (NASA), Penn State University, February 24, 2003

“Close Encounters of the nth Kind: Becoming Sampled and the Mullis-ship Connection”, American Anthropological Association, November 24, 2002. Talk performed by Professor Debbora Battaglia, Mt. Holyoke College.

Invited Lecture “LSDNA: Consciousness Expansion and the Emergence of Biotechnology” October 22, 2002. UC Berkeley, Department of Rhetoric

“Fooling the Parrot: Open Source Consciousness and the Cannabis Genome Project” Society for Literature and Science, October 12, 2002, Pasadena, California.

Invited Lecture, “Ocelli: Hallucinating Biological Difference with Philip K. Dick” Loyola Marymount University, Los Angeles, October 2002.

Invited Lecture, “Entheogens: An Instance of Trans-species Sexual Selection?” Draper Program in Science and Technology, New York University, February 2002.

Invited Lecture, “Mitochondriac!” *Theorizing the Particular*, in coordination with Slough Networks and Writers House at the University of Pennsylvania. October 29, 2001

Conference Presentation, “ Double Take: Self Experimentation and Repetition in

Hallucinogenic Research", Society for Literature and Science, October 13, 2001, Buffalo, New York.

Two week seminar, Sydney University Research Institute for the Humanities and Social Sciences, Sydney, Australia. "LSDNA: Evolution, Rhetoric and the Emergence of Biotechnology"

Invited Lecture, Jennings Foundation, " Ecstatic Genetics", April 7, 2001, Akron Ohio.

Invited Lecture: "LSDNA, A Rhetorical Mutagen" Emory University, conference on Rhetoric and Culture, April 2001.

Invited Lecture, "Fill My Eyes with that Double Vision: Darwin's Intoxicated Gaze", The Eye of Culture, Penn State University, April 8, 2001

Invited Lecture, University of Washington, "LSDNA: Ecstatic Experience and the Nanotechnological Imperative "January, 2001

Invited Lecture, "LSDNA" at *Performative Sites: Technology, Art and the Body* Ford Foundation conference, Penn State University, October 26, 2000.

Invited talk, "Biotechnology and the Experimental Self. "New York University Forum on Biotechnology, Center for Advanced Technologies, October 24, 2000. Webcast available at <http://128.122.47.110:8080/ramgen/invest.rm?altplay=invest.rm>.

Invited Lecture, "LSDNA" Zentrum fur literaturforschung, Humboldt University, Germany. October 6, 2000.

Society for Literature and Science, "Darwinian Noise", a workshop with Elizabeth Wilson. October 5, 2000. Atlanta, Georgia.

Invited Lecture, Vassar College, "An Alife Sampler!" April 27, 2000

Invited Lecture, College Art Association, "Visualize Alien DNA", February 2000

Invited Lecture, Penn State Philosophy Department, "Progress, Revolting" February 2000.

Invited Lecture, University of Pittsburgh, Seminar on Evolution, Department of Biology "On Beyond Living: A New Object for the Life Sciences?" January 8,

2000

Invited Lecture, SUNY Albany, "Abduction/Samples", February 1999

"Sympathy for the Alien", Society for Literature and Science, November 1998

Invited Lecture, Mellon Seminar, "Science and the Humanities", UCLA, April 25, 1998
Three Channel Live Video Performance, "Wetwares, Or Cutting Up a Few Aliens"

Invited Lecture, "More Life, Fucker!" Trent University, Cultural Studies, March 26, 1998.

"Take My Bone Marrow, Please: The Community in Which We Have Organs in Common" Society for Literature and Science, Pittsburgh, PA October 31, 1997.

Invited Lecture "Abduction/Samples", Harvard University, Center for Literary and Cultural Studies, October 7, 1997.

"The Coma Speaks: The 'Dead Zone' of Media and the Replication of Family Value" Conference Presentation, "Toward A Material Rhetoric," Penn State University, July 7, 1997.

Invited Lecture "Uploading Anticipation, Becoming-Silicon" Conference on "Biotechnology, Culture and the Body", University of Wisconsin/Milwaukee, Center for Twentieth Century Studies, March 1997.

"Artificial Life Support - Abducted by Silicon" Princeton University, Department of History of Science, February 15, 1997.

"The Coma Speaks - We Are Family" American Anthropological Association, San Francisco, November 1996.

"Give Me a Body, Then: Corporeal Time Images" "Practicing Deleuze and Guatarri", Conference at Penn State University, November 10, 1996.

"Uploading Anticipation", Society for Literature and Science, Atlanta Georgia, October 1996.

"Uploading Anticipation" Penn State Department of English, Colloquium, October 1996.

"More Life,Fucker! (Or the Anticipatory Effects of Simulacra)" Cornell University. Workshop on Simulation in the Life Sciences, April 1996

"Long Live the New Flesh: Uploading, Confession, and the Silicon Moment", Penn State University, Science Technology and Society Colloquim, February 1996.

"Cryptographic Bodies, Cryonic Futures" University of California Humanities Research Institute, January 1996. In Absentia due to weather. Performed by Constance Penley.

"The Promised Body of Cryonics" American Anthropological Association, Washington, DC, November 1995.In Absentia due to weather. Performed by Michael Fortun.

"Cryptographic Bodies, Cryonic Futures" Society for Literature and Science, Los Angeles, November 1995.

"Cryptographic Bodies, Cryonic Futures" Penn State Science Studies Group, October 4, 1995.

"SimFlesh, SimBones: At Play in the Artificial Life Phenotype", Penn State Conference on Rhetoric and Composition, July 1995.

"Reading the Book of Life?", Mutter Museum of Medicine, Philadelphia Academy of Medicine, April 1995.

"SimFlesh, SimBones: At Play in the Artificial Life Phenotype", Comparative Literature Association, Athens, GA. March 1995

"Echoes of Nothing: Simulation Effects in the Late Twentieth Century Life Sciences," Society for Literature and Science, New Orleans, November 1994

"An Empiricism of the Concept: Deleuze and Guattari on Technoscience," Society for Literature and Science, New Orleans, November 1994.

"On Beyond Living: A New Object for the Life Sciences?" presented at the Walter Rathenau Summer Academy, Berlin, Germany, July 1994.

"Novel Entities: Mobius Bodies in Science/Fiction," presented at "Vital Signs: Biology, Computers and Society," June 1994.

"Dislocating Knowledge, Thinking Out of Joint: Rhizomatics, C. Elegans, and the Importance of Being Multiple," given at "Located Knowledges: Intersections in Gender Studies, Cultural Studies and Science Studies," University of California, Los Angeles, April 1994.

"Mobius Bodies: Thinking Through Corporeality," presented at the Society for Literature and Science, Boston, November 1993.

"It's All in the Genes: Some Implosions in the Culture of Genomics," presented at the Mellon Conference "Genetic Transformations", M.I.T., Department of Science, Technology and Society, May 1993.

"The Biotechnological Imagination," with Michael Fortun, presented at the Mellon Conference "Genetic Transformations", M.I.T., Department of Science, Technology and Society, May 1993.

"From Code to Pixel: The Rhetorical Software of the Genetic Program," M.I.T., Department of Science, Technology and Society, April 1993.

"Science Studies as Cable Network: I Watch Channel Zero," with Michael Fortun, presented to the Harvard History of Science Colloquium, January 1993.

"The Rhetorical Software of Artificial Life," presented at the Third Meeting on Artificial Life, Santa Fe, NM, June 1992.

Third Meeting on Artificial Life, respondent, philosophy panel, June 1992.

"Tripping Over the Organism," presented at the International Association of Philosophy and Literature, University of California at Berkeley, May 1992.

"Mr. Schrodinger Inside Himself," presented at the University of California at Berkeley Department of Rhetoric Colloquium, October 1991.

"Vital Language, Post-Vital Productions," presented at the "Genes R Us" Conference at UC Humanities Research Institute, May 1991.

"Pynchon's Preterite Technologies," guest lecture, "The Rhetoric of American National Identity," UC Berkeley Department of Rhetoric, summer 1991.

"The Writing of Heredity, The Heredity of Writing," presented at the International Association of Philosophy and Literature, University of California, Irvine, April 1989.

"Critical Injury: Torture in *The Sophist*," guest lecture, Classical Rhetorical Theory, UC Berkeley, fall 1988.

TEACHING

Many of my recent courses can be found at

<http://www.personal.psu.edu/faculty/r/m/rmd12/courses.html>

Professor, Penn State University, July 2004-Present

"Dicktations: The Rhetorics of Philip K. Dick", English 474. Spring 2005

"Ecologies of Rhetoric", English 15. Fall 2005. Freshman multimedia digital composition

Visiting Associate Professor, UC Berkeley, Department of Rhetoric, Fall 2002

Vital and Post Vital Rhetorics, Rhetoric 174

LSDNA: Rhetoric, Evolution and Psychedelic Science, Graduate Seminar, Rhetoric 240H

Associate Professor Penn State University, July 1999 - July 2004

"Spectacular Technoscience: Images and the Theatre of Scientific Change." Graduate Seminar, Science, Medicine, Technology & Culture, English 597, Summer 2004

"Analog, Digital and Open Source Rhetorics" English 421 – Advanced Argument and Rhetorical Practices, Spring 2004

"LSDNA: Rhetoric, Evolution and the Emergence of Psychedelic Science", graduate seminar in Science, Medicine, Technology & Cultures, Department of English 597H

Dicktations: The Rhetorics of Philip K. Dick, English 470, Spring 2003

Analog and Digital Rhetorics, English 421, Spring 2002

The Burroughs Machine, English 487W , Fall 2001

Becoming Alien: Rhetorics of Space Colonization and Extraterrestriality in America, English 497, STS 4971, Fall 2001. Funded by NASA.

Cyberculture for Fun and Profit, Summer 2001

Building the Multiple: A Seminar in A Thousand Plateaus, Summer 2001

Writing, Rebellion, English 15, Summer 2000

Vital Rhetorics English 83 S, section 1, Fall 1999

Theory Toolbox: Community, Subject, Image English 582, Fall 1999

Assistant Professor: Penn State University, fall 1994-July 1999

Becoming Virtual, English 597, Graduate Seminar, Spring 1999

Dicktations: Reading Philip K. Dick English 400, Spring 1999

Becoming Alien: Rhetorics of Extraterrestriality in America Senior Seminar, Fall 1998

Rants, Polemic and Persuasion English 421, Fall 1998

"The Burroughs Machine" English 487, Senior Seminar, Spring 1998.

"Technical Writing for Webbed Occasions", English 202c, Spring 1998.

"Practicing Deleuze and Guattari" with Jeffrey Nealon, English 597, Fall 1997. Syllabus at <http://www.personal.psu.edu/faculty/r/m/rmd12/DG.html>.

"Troping Life: Vital and Post Vital Rhetorics in 19th and 20th Century Life Science", English 474, Fall 1997.. Course description and syllabus: <http://www.personal.psu.edu/faculty/r/m/rmd12/life.html>

"The Motionless Flag: America and the Culture of the Space Age", honors undergraduate seminar, English 300, Fall 1996

"Dicktations: Tuning into Alterity in the Texts of Phillip K Dick.", English 472

"A Theory Toolbox: Introduction to the Theoretical Arts", Graduate Seminar,

Spring 1996.

"Rhetoric and the Cultures of Science", English 474, fall 1995.

"Rhetoric & Science", Graduate Seminar, Spring 1995.

"A Critical Theory Tool Box," English 200.001, fall 1994.

"Interfacing Science and Culture," English 30, fall 1994.

"Cyberspace Aesthetics and The American Novel," American Studies 497b, spring 1995.

Lecturer: University of California at Berkeley, fall 1993- summer 1994

"Writing Life: Case Studies in the Rhetorical Constructions of 'Life'," Rhetoric s110, summer 1994.

"Fabulous Politics: Thinking through the Political in Post War American Fiction," Rhetoric 152, spring 1994.

"Social Theory and the Tropes of the Multitudes," Rhetoric 176, spring 1994.

"Technoscience and its Deconstruction," Rhetoric 174, fall 1993.

"Cyberspace Aesthetics and the Novel," Rhetoric 127, fall 1993.

Supervision of Honors Thesis, "Construction of Gender in Middle-School Science Textbooks".

Instructor; University of California at Berkeley, fall 1989- spring 1992

"The Rhetoric of Technology," spring 1990, fall 1991.

"The Rhetoric of Contingency," spring 1992.

"Rhetorical Theory and Argumentation," fall 1990.

"The Craft of Writing," fall 1989.

Related Professional and Administrative Experience

US Delegate, International Electrotechnical Commission, Working Group 5, 2005 - present

Expert, . Wetwares and Human/Machine Interactions, International Electrotechnical Commission, www.iec.ch 2005-present.

Director of Composition, August 2004 – Present. Responsible for the delivery of rhetorical education to 10,000 students each year . Migrating curriculum to a digital context. See <http://pbl.ist.psu.edu/cgi-bin/analog.pl?DigitalProposal>

Organizer and Co-Founder, Penn State Program in Science, Technology and Medicine in Culture, 1994-

Organizer, 1999-2000 Virtual Labor, Virtual Life Science Studies Colloquium at PSU. Workshops, speakers, practicums, linked courses.

Co-Organizer, "Practicing Deleuze and Guattari", with Jeffrey Nealon, November 1996.

Co-Chair, English Department Search Committee 2004

Member, Penn State Rhetoric Search Committee

Organizer, Penn State Rhetoric Conference, July 1995.

Co-organizer, Walter Rathenau Summer Academy, Berlin, Germany, July 1994.

References

Evelyn Fox Keller, Professor of Science, Technology and Society, MIT. E51-228A, Cambridge, Mass. 02139. (617) 253-8722.

Brian Rotman. Professor of Comparative Studies, Ohio State University (614) 784-0806.

Robert Proctor, Professor, History of Science and Technology, Stanford University.

Susan Squier, Department of English, Penn State University. Sxs62@psu.edu

