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and the  
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### **Academic Appointments**

Associate Professor, Department of Sociology Center for Society and Genetics, UCLA	2008-present
Visiting Assistant Professor, History of Science, Harvard University	2007-2008
Assistant Professor, Department of Anthropology, Rice University	2001-2008

### **Degrees**

Massachusetts Institute of Technology Program in Science, Technology and Society, Ph.D	1994-2000
University of British Columbia Cell and Developmental Biology, B.Sc. (Honours)	1989-1993

### **Fellowships and Awards**

Suzanne J. Levinson Book Award, History of Science Society <i>Best book in the history of the life sciences, for <i>Culturing Life</i></i>	2008
Rice University, <i>Graduate Student Teaching and Mentoring Award</i>	2005
University of Texas Medical Branch, Institute for Medical Humanities <i>Visiting Scholar</i>	2004
Max Planck Institute for the History of Science, <i>Post-doctoral Fellowship</i>	1999-2001
Smithsonian Institution, <i>Short-term Visitor's Grant</i>	1999
Rockefeller Archive Center <i>Research Grant</i>	1998
Dibner Institute for the History of Science and Technology <i>Dissertation Writing Fellowship</i>	1997-1999
Social Sciences and Humanities Research Council of Canada <i>Doctoral Fellowship</i>	1996-1999

## Grants

Co-Primary Investigator (US Partner), “21<sup>st</sup> Century Cuisine, Nutrition and Genetics in the United States and France,” Partner University Fund, 2009-2012. (\$372,000.00)

Primary Investigator, “Preventing Birth Defects...But Causing Cancer? Mandatory Folic Acid Fortification of Staple Foods in the United States: Nutrition Policy and the National Food Supply,” Faculty Research Fellowship, UCLA Center for American Politics and Public Policy, 2009-2010. (\$7,000)

Primary Investigator, “Epigenetics and the Molecular Politics of Maternal Care,” Faculty Seed Development Grant, UCLA Center for the Study of Women, 2009-2010. (\$5,000.00)

Scholar’s Award, “A History of Microscopic Moving Images in Twentieth Century Life Sciences,” National Endowment for the Humanities, 01-09, 2005. (\$40,000.00)

Co-Primary Investigator, “Nanotechnology: Content and Context,” Nanotechnology Undergraduate Education Initiative, NSF, 2004. (\$100,000.00)

## Publications

### Books

*Culturing Life: How Cells Became Technologies*, Harvard University Press, 2007.

*Our In Vitro Condition: An Ethnography of Contemporary Epigenetics*, in preparation, under contract with Harvard University Press.

### Articles

“The Life of Movement: From Microcinematography to Live Cell Imaging,” submitted, under review for *Journal of Visual Culture* (special invited issue on Film and Science, edited by Oliver Gaycken and Joshua Malitsky)

“Creeping, Drinking, Dying: The Cinematic Portal and the Microscopic World of The Twentieth Century Cell,” in press, *Science in Context*.

“Food as Exposure: Epigenetics and the New Metabolism,” in press, *BioSocieties*.

“Essen als Exposition. Epigenetik der Ernährung und die Molekularisierung der Umwelt,” [Food as Exposure: Nutritional Epigenetics and the Molecularization of the Environment, S. Bauer (trans.)] 135-162 in S. Bauer, C. Bischof, S. Haufe, S. Beck, L. Scholze-Irrlitz (eds.), *Essen in Europa. Kulturelle ‘Rückstände’ in Nahrung und Körper*. transcript Verlag: Bielefeld, 2010.

“Ten Thousand Journal Articles Later: Ethnography of ‘The Literature’ in Science,” (with Christopher Kelty), *Empiria* 18: 173-191, 2010.

“Living Differently in Time: Plasticity, Temporality and Cellular Biotechnologies,” in *Technologized Images, Technologized Bodies: Anthropological Approaches to a New Politics of Vision*, Jeanette Edwards, Penny Harvey and Peter Wade, eds. New York: Berghahn Books, 2010.

"Seeing Things: From Microcinematography to Live Cell Imaging," *Nature Methods* 6:707-709, 2009.

"Technical Matters: Method, Knowledge and Infrastructure in Twentieth Century Life Science," (with Angela N.H. Creager) *Nature Methods* 6:701-705, 2009.

"Die Erzählungen der Biotechnologie: Biowissenschaften und biographische Form," ["Biotechnology's Plots: Biomedicine and Biographical Form,"] 183-200 in *Engineering Life: Narrationen vom Menschen in Biomedizin, Kultur und Literatur*, Claudia Breger, Irmela Krüger-Fürhoff and Tanja Nusser, eds. Berlin: Kulturverlag Kadmos, 2008.

"Microcinematography and the History of Science and Film," *Isis* 97:121-132, 2006.

"Cellular Features: Microcinematography and Early Film Theory," *Critical Inquiry* 31:903-937, 2005.

"Eine Theorie der Animation: Zellen, L-Systeme und Film," (with Christopher Kelty) in *Lebendige Zeit: Wissenskulturen im Werden*, Henning Schmidgen (ed.), Berlin: Kadmos, 2005.

"A Theory of Animation: Cells, L-Systems, and Film," (with Christopher Kelty), *Grey Room*, 17:30-63, 2004.

"The Lewis Films: Tissue Culture and 'Living Anatomy', 1919-1940," 117-144 in *Centennial History of the Carnegie Institute Department of Embryology*, Jane Maienschein, Marie Glitz and Garland Allan (eds.), Cambridge University Press, 2004.

"Building 'A New Type of Body in Which to Grow a Cell': The Origins of Tissue Culture," 151-174 in *Creating a Tradition of Biomedical Research: Contributions to the History of The Rockefeller University*, Darwin Stapleton (ed.), New York: Rockefeller University Press, 2004.

"Neue Zeiten für die Biologie: Nervenulturen und die Geburt zellulären Lebens in vitro," 307-337 in *Kultur im Experiment*, Henning Schmidgen, Peter Geimer and Sven Dierig (eds.). Berlin: Kadmos, 2004.

"On Beginning and Ending with Apoptosis: Cell Death and Biomedicine," in *Remaking Life and Death: Towards an Anthropology of the Life Sciences*, Sarah Franklin and Margaret Lock (eds.), School of American Research Press, 2003.

"New Times for Biology: Nerve Cultures and the Advent of Cellular Life in Vitro," *Studies in the History and Philosophy of Biological and Biomedical Sciences*, 33:667-694, 2002.

"Cellular Features: Immortality, Apoptosis, Apostrophe," (with Christopher Kelty, in German), in *Future Bodies: Zur Visualisierung von Körpern in Science und Fiction*, edited by Marie-Luise Angerer, Kathrin Peters, and Zoe Sofoulis, Springer, 2002.

"Immortality, *In Vitro*: A History of the HeLa Cell Line," 53-72 in *Biotechnology and Culture: Bodies, Anxieties, Ethics*, Paul Brodwin (ed.), Indianapolis: Indiana University Press, 2000. Reprinted in *A Reader in Medical Anthropology: Theoretical Trajectories, Emergent Realities*, Byron Good, Michael Fischer, Sarah Willen, Mary-Jo Delvecchio-Good (eds.), pp. 353-366, Wiley-Blackwell, 2010.

“Between Beneficence and Chattel: The Human Biological in Law and Science,” *Science in Context* 12(1):203-225, 1999. Reprinted in *Law and Science Volume II: Regulation of Property, Practices, and Products*, Susan Silbey (ed.), Austin Sarat (series ed.), Ashgate Publishing, 2008.

“Screen for Enhancers of *Polycomb* and *Polycomblike* in *Drosophila Melanogaster*,” first author, with Donald Sinclair and Hugh W. Brock, *Developmental Genetics* 15:425-434, 1994.

### Popular Articles

“Die Körpermedelle der Epigenetik: Das innere Laboratorium und die molekulare Leitung,” A. von Schwerin (trans.), *Gen-ethischer Informationsdienst* 8:42-54, 2008.

“Food as Exposure: Nutritional Epigenetics and the Molecular Politics of Eating,” Center for the Study of Women Update Newsletter, May, 18-26, 2010.

### Book Reviews

*Dolly Mixtures: The Remaking of Genealogy* by Sarah Franklin, *Technology and Culture* 49(3): 826-827, 2008.

*Cinematic Prophylaxis: Globalization and Contagion in the Discourse of World Health* by Kirsten Ostherr, *Isis* 98(2):411, 2007.

*Tissue Economies: Blood, Organs and Cell Lines in Late Capitalism*, by Catherine Waldby and Robert Mitchell, *Journal of the History of Medicine and the Allied Sciences* 62:270-272, 2007.

*A Genetic and Cultural Odyssey: The Life of Luca Cavalli-Sforza*, by Linda Stone and Paul F. Lurquin. *Journal of the History of Biology*, 39:814-816, 2006.

### Dictionary Entries

Edmund Vincent Cowdry. *New Dictionary of Scientific Biography*. Charles Scribner’s Sons (Thomson Gale). 2007.

### Creative Works

“News About Cells, 1909-1964,” with Christopher Kelty. Film (7 minutes), finalist in the Bioclips Cinema of the Cell competition, screened at the European Life Sciences Organization meeting in Dresden, September 23, 2003.

## Teaching (2008-2011)

Politics of Reproduction (Sociology M164, Women's Studies 164) Winter 2009  
 Biotechnology and Society (SocGen 130/Soc180E) Fall 2008, Spring 2010)  
 Where Food Meets Genetics (SocGen 180) Winter 2009  
 Food and Science (Fiat Lux SocGen 19) Winter 2009  
 Integrative Approaches to Human Biology and Society: Introduction to the Major (SocGen 5)

## Departmental Service

Ad-Hoc Committee, Sociology, 2009  
 Ad-Hoc Committee, CSG, 2010  
 Colloquium and Fellows Meeting Coordinator, CSG, 2010-2011

## Keynote and Invited Lectures (2007-2010)

“An Image is Worth A Thousand Dollars: Pictures of Human Matter in the Visual Culture Industry,” Department Colloquium, Department of Medical History and Bioethics, University of Wisconsin, November 2010.

“Hormones Becoming Signals: Martin Rodbell, G Proteins, and the Body of Transductions and Cascades,” for “Membranes, Surfaces and Boundaries,” a workshop of the Max Planck Institute for the History of Science, Berlin, October 2010.

“Forwards and Backwards: Cellular Plasticity in Historical and Cultural Context,” for “Reprogramming Cell Fate: Basic Biology and Medical Perspectives,” European School of Molecular Medicine, November 2009.

“Cinema of the Cell: Film, Biology and the Animation of Life,” Fisher Center, Hobart and William Smith Colleges, January 2009.

“Food As Environment: Nutritional Epigenetics and the Human Milieu,” for the workshop *Essen in Europa*, Institute for European Ethnology, Humboldt University, Berlin, July 2008. Department colloquium, Center for Biology and Society, Arizona State University, November 2008.

“The Body of Transductions and Cascades: Hormones, Neurotransmitters and Growth Factors After 1960,” Department Colloquium, Modern Culture and Media, Brown University, April 2008.

“Creeping, Drinking, Dying: Cinema and the Technologization of Life in Twentieth Century Cell Biology,” Harvard History of Science; MIT Program in Science, Technology and Society, February 2008.

“From Dish to Diet: Cells, People and Environments in Epigenetic Models of Chronic Disease,” Social Studies of Medicine, McGill University; Department of Sociology and Center for Society and Genetics, UCLA; Alice Kaplan Institute for the Humanities, Northwestern University, January-February, 2008.

“From Messengers and Bodies to Signals and Cells: Theories of Hormone Action, 1960-1975,” Program in the History of Science and Medicine Department Colloquium, Yale University;

MIT/Harvard History of Science and STS joint Department Colloquium, November 2007.  
Department Colloquium, History of Science, Indiana University, March 2009.

“Alternative Heredities: An Anthropological Perspective on the ‘Environment’ of Epigenetics,”  
Hampshire College Program in Culture, Brain and Development, September 2007.

“Uncoiling and Recoiling: History as Milieu and Histories of Milieux in Epigenetics,” History  
and Sociology of Science Department Colloquium, University of Pennsylvania, February 2007.

“Toward an Anthropology of Epigenetics,” Public Lecture, Biopolitics and Technoscience Series,  
University of Toronto, January 2007.

### **Conference Presentations (2007-2010)**

“A Picture is Worth a Thousand Dollars: Images of Human Matter in the Visual Culture  
Industry,” colloquium Department of the History of Science and Medicine, University of  
Madison-Wisconsin, November 2010.

“Hormones Becoming Signals: Martin Rodbell, G Proteins, and the Body of Transductions and  
Cascades,” Max Planck Institute for the History of Science, Berlin, October 2010.

“The Social Environments of Chromatin Research,” Girton College, Cambridge, UK,  
Reconsidering Detachment: the Ethics and Analytics of Disconnection, June 2010.

“Food as Exposure: Nutritional Epigenetics and the Molecularization of the Environment,”  
Society for Cultural Anthropology, Santa Fe, May 2010.

“From Microcinematography to Live Cell Imaging,” University of Southern California School of  
Cinematic Arts, Visible Evidence XVI, August 2009.

“Sending Cells Around: Exchanging Cells and Media in Post-War America,” IFRIS, Université  
Paris Est, Workshop, Les Frontieres du Vivant : Agriculture et Medecine de 1945 à Nos Jours,  
April 2009.

“It is What It Eats: An Epigenetic History of Cells in Culture,” Princeton Workshop in the  
History of Science “Discovering Life” February 2008; Berkeley Science, Technology and  
Society Center, April 2008; MBL-ASU Seminar in History of Biology, “Embryos in Historical  
Context,” Woods Hole, May 2008; ESRC Centre for Genomics in Society, Exeter UK, July  
2008. Indiana University History of Science Workshop “Accounting for Method: the Nature  
and Role of Methods Talk in Life Science,” March 2009.

“Inner Laboratories and Molecular Conduits: Epigenetics and the Logic of Gene Expression  
Potentials,” American Anthropological Association Annual meeting, San Francisco, November  
2008.

“Hybrids and Cybrids: A Short History of Cell Fusion,” Workshop, “The Times of Cloning:  
Cultural and Historical Aspects of a Biotechnological Research Field,” Max Planck Institute for  
the History of Science, Berlin, March 2007.