

**Curriculum vitae**  
**Barbara Herr Harthorn**

Department of Anthropology &  
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**EDUCATION**

1984-1987 Postdoctoral Training, Social Psychology, University of California, Santa Barbara  
1983 Ph.D., Anthropology, University of California, Los Angeles  
1975 M.A., Anthropology, University of California, Los Angeles  
1973 B.A., Anthropology, Bryn Mawr College, Bryn Mawr, PA, Departmental Honors

**PROFESSIONAL EMPLOYMENT**

2013- Professor, Department of Anthropology; faculty affiliate, Departments of Feminist Studies & Sociology, and, Interdepartmental PhD Emphasis in Environment and Society, UCSB  
2006-2013 Associate to Full Professor, Women's Studies/Feminist Studies; faculty affiliate Anthropology and Sociology, UCSB  
2005- Director & Principal Investigator, NSF Nanoscale Science and Engineering Center: Center for Nanotechnology in Society, UCSB (CNS-UCSB)  
2000-2006 Associate Director, Institute for Social, Behavioral, and Economic Research (ISBER), UCSB  
1994-2006 Director, Social Science Research Development, UCSB; Assistant to Associate Research Anthropologist, ISBER, UCSB; Co-Director, Center for Global Studies, ISBER, UCSB  
1989-1993 Associate Director, Interdisciplinary Humanities Center, UCSB

**PUBLICATIONS**Books

Harthorn, BH and JW Mohr, eds. (2012) *The Social Life of Nanotechnology*, foreword by John Seely Brown. New York: Routledge.  
Harthorn, BH and L. Oaks, eds. (2003) *Risk, Culture, and Health Inequality: Shifting Perceptions of Danger and Blame*, foreword by Dorothy Nelkin. New York: Greenwood/Praeger.

Articles

Beaudrie, C., T Satterfield, M Kandlikar, and BH Harthorn. (2014) Scientists vs. Regulators: Precaution, Novelty & Regulatory Oversight as Predictors of Perceived Risks of Engineered Nanomaterials. *PLoS One* 9(9): e106365. doi: 10.1371/journal.pone.0106365.  
Beaudrie, C., T Satterfield, M Kandlikar, and BH Harthorn. (2013) Expert views on regulatory preparedness for managing the risks of nanotechnologies. *PLoS One* 8(11): 380250. Nov 11, DOI: 10.1371/journal.pone.0080250  
Engeman, CD, L Baumgartner, BM Carr, AM Fish, JD Meyerhofer, TA Satterfield, PA Holden & BH Harthorn\* (\*corresponding author). (2013) The hierarchy of environmental, health, and safety practices in the US nanotechnology workplace. *Journal of Occupational and Environmental Hygiene*. 10(9), 487-495. doi: 10.1080/15459624.2013.818231  
Roco, MC, WS Bainbridge, B Tonn, and G Whitesides, Eds. (2013) BH Harthorn, Contributor. *Convergence of Knowledge, Technology and Society*. New York: Springer.  
Satterfield, TA, J Conti, BH Harthorn, N Pidgeon and A Pitts. (2012) Understanding shifting perceptions of nanotechnologies and their implications for policy dialogues about emerging technologies. *Science and Public Policy*. First published online November 18, 2012 doi:10.1093/scipol/scs084  
Xia, T, D Malasarn, S Lin, Z Ji, H Zhang, RJ Miller, AA Keller, RM Nisbet, BH Harthorn, HA Godwin, HS Lenihan, R Liu, J Gardea-Torresdey, YCohen, L Mädler, PA Holden, JI Zink, and AE Nel. (2012) Implementation of a multidisciplinary approach to solve complex Nano EHS problems by the UC Center for the Environmental Implications of Nanotechnology. *Small* First published online: 2 Oct. DOI: 10.1002/sml.201201700  
Engeman, CD, L Baumgartner, BM Carr, AM Fish, JD Meyerhofer, TA Satterfield, PA Holden & BH Harthorn\* (\*corresponding author). (2012) Governance implications of nanomaterials companies' inconsistent risk perceptions and safety practices. *Journal of Nanoparticle Research*, 14(749), 1-12. doi: 10.1007/s11051-012-

0749-0

- Rogers, J, C Shearer & BH Harthorn. (2011) Debating Nano/Bio technological alteration of food: Public deliberation and cultural logics. Special issue on food, *Environment and Society: Advances in Research 2(1)*: 149-169. doi:10.3167/ares.2011.020109
- Pidgeon, N, BH Harthorn & TA Satterfield, Eds. (2011) Nanotechnology Risk Perceptions and Communication: Emerging Technologies, Emerging Challenges. *Risk Analysis (special issue on Nanotechnology Risk Perception)*, 31(11), 1694–1783. doi: 10.1111/j.1539-6924.2011.01738.x
- Pidgeon, N, BH Harthorn & TA Satterfield. (2011) Nanotechnology Risk Perceptions and Communication: Emerging Technologies, Emerging Challenges. *Risk Analysis*, 31(11), 1694–1700. doi: 10.1111/j.1539-6924.2011.01738.x
- Roco, MC, BH Harthorn, D Guston & P Shapira. (2011) Innovative and responsible governance of nanotechnology for societal development. *Journal of Nanoparticle Research 13(9)*, 3557-3590. doi: 10.1007/s11051-011-0454-4
- Conti, J, TA Satterfield & BH Harthorn. (2011) Vulnerability and social justice as factors in emergent US nanotechnology risk perceptions. *Risk Analysis* [published online March 2011 DOI: 10.1111/j.1539-6924.2011.01608.x]
- Satterfield, TA, M Kandlikar, C Beaudrie, J Conti, and BH Harthorn. (2009) Anticipating the perceived risk of nanotechnologies. *Nature Nanotechnology 4*:752-758.
- Godwin, H., K Chopra, K Bradley, Y Cohen, BH Harthorn, E Hoek, PA Holden, AA Keller, H Lenihan, R Nisbet, & A Nel (2009) The University of California Center for the Environmental Implications of Nanotechnology. *Environmental Science & Technology 43(17)*: 6453-6457.
- Ostrowski, AD, T Martin, J Conti, I Hurt, & BH Harthorn. (2009) Nanotoxicology: Characterizing the scientific literature, 2000-2007. *Journal of Nanoparticle Research 11*:251-257.
- Pidgeon, N, BH Harthorn, K Bryant & T Rogers-Hayden. (2009) Deliberating the risks of nanotechnologies for Energy and Health applications in the United States and United Kingdom. *Nature Nanotechnology 4 (2)*: 95-98.
- Conti, J A., K Killpack, G Gerritzen, L Huang, M Mircheva, M Delmas, BH Harthorn, RP Appelbaum, and PA Holden. (2008) Health and safety practices in the nanomaterials workplace: Results from an international survey. *Environmental Science & Technology 42(9)*: 3155-3162.
- Harthorn, BH, PM McCray, and T Satterfield. (2006) Anthropological research at the UCSB Center for Nanotechnology in Society. *Practicing Anthropology 28(2)*: 38-40.
- Harthorn, BH. (2006) Nano-Buzz: Societal dimensions of emerging technologies. *Anthropology News* Oct: 26.
- Harthorn, BH. (2005). Gender, health inequality, and hidden healers in rural Fiji. *Fijian Studies 2(3)*: 337 356 (Special issue on gender studies, Nov.)
- Guendelman, S, C Malin, B Herr-Harthorn, P Vargas. (2001) Orientations to motherhood among pregnant Mexican and Mexican-origin women: A bi-national study. *Social Science and Medicine 52*: 1805-1813.
- Goodchild, M, L Anselin, R. Appelbaum, & BH Harthorn. (2000). Toward spatially integrated social science. *International Regional Science Review 23(2)*: 139-159.
- Harthorn, BH. (1999) Review of *The Anthropology of Infectious Disease*, Marcia Inhorn and Peter Brown, eds. (1997). *Journal of Political Ecology*, vol. 6, [http://www.library.arizona.edu/ej/jpe/volume\\_6/inhornvol6.htm](http://www.library.arizona.edu/ej/jpe/volume_6/inhornvol6.htm)
- Harthorn, BH (1998) California farmworkers: Dilemmas in developing interventions for health and medical care concerns, *Human Organization 57 (3)*: 369-378.
- Harthorn, BH. (1997) Reviews of: *Many Mirrors: Body Image and Social Relations*, Nicole Sault, ed. (1995) and *Body, Self, and Society: The View from Fiji* (Anne E. Becker 1996). *Medical Anthropology Quarterly* n.s.11(3): 401-404.
- Andersen, S and BH Harthorn. (1990) Changing the psychiatric knowledge of primary care physicians: The effects of a brief intervention on clinical diagnosis and treatment. *General Hospital Psychiatry 12*: 1-14.
- Andersen S. and BH Harthorn. (1989) The Diagnostic Knowledge Inventory: A measure about psychiatric diagnosis. *Journal of Clinical Psychology 45 (6)*: 999-1013.
- Andersen, S. and BH Harthorn. (1989) The recognition, diagnosis, and treatment of mental disorders by primary care physicians. *Medical Care 27(9)*: 869-886.
- Edgerton, RB, M Bollinger, & B Herr. (1984) The cloak of competence: After two decades. *American Journal of Mental Deficiency 88*: 345-351.
- Herr, B. (1981) The expressive character of Fijian dreams and nightmares. *Ethos 9*: 331-352.

### Book Chapters

- Harthorn, BH. (In press, 2015) Envisioning Our Nano-Medical Futures: Techno-benefits and Social Risks? Case Study in *Vital Signs: Medical Anthropology in the 21<sup>st</sup> Century*. Lenore Manderson, Elizabeth Cartwright, and Anita Hardon, eds., ch. 13. London: Routledge.
- Randles, S, J Youtie, D Guston, BH Harthorn, C Newfield, P Shapira, F Wickson, A Rip, R von Schomberg, R. and N Pidgeon. (2013) A Trans-Atlantic conversation on responsible innovation and responsible governance. In van Lenet, H. et al (eds) *Little by Little; Expansions of Nanoscience and Emerging Technologies*. IOS Press, 169-180.
- Shearer, C, J Rogers-Brown, K Bryant, R Cranfill, & BH Harthorn (2013) Power and Vulnerability: Re-contextualizing 'low risk' views of environmental and health hazards. In S. Maret (Ed.), *Research in Social Problems and Public Policy, Vol 21, William R. Freudenburg, a Life in Social Research (pp. 235-257)*. Bingley, UK: Emerald Group Publishing Limited.
- Harthorn, BH, & J Mohr (2012) Introduction: The social scientific view of nanotechnologies. In BH Harthorn and J Mohr (Eds.), *The Social Life of Nanotechnology*, pp. 1-15. New York: Routledge.
- Rogers-Brown, J, C Shearer, BH Harthorn, & T Martin. (2012) Different uses, different responses: Exploring emergent cultural values through public deliberation. In BH Harthorn and J Mohr (Eds.), *The Social Life of Nanotechnology*, pp. 195-222. New York: Routledge.
- Harthorn, BH, J Rogers, C Shearer, & T Martin. (2012) Debating Nanoethics: U.S. public perceptions of nanotechnology applications for energy and the environment. In D Scott & B Francis (Eds.), *Debating Science: Deliberation, Values, and the Common Good* (2nd ed., pp. 227-249). New York: Prometheus Books.
- Harthorn, BH, C Shearer, & J Rogers. (2012) Risk perception, public participation, and sustainable global development of nanotechnologies. In R Parker & RP Appelbaum (Eds.), *Emerging Economies, Emerging Technologies: Can Emerging Technologies Make a Difference in Development?* pp. 188-197. New York: Routledge.
- Harthorn, BH, C Shearer, & J Rogers. (2011) Exploring ambivalence: Techno-enthusiasm and skepticism in US nanotech deliberations. In *Quantum Engagements: Social Reflections of Nanoscience and Emerging Technologies*, Eds. TB. Zülsdorf, C Coenen, A Ferrari, U Fiedeler, C Milburn, & M Wienroth, pp. 75-89. Amsterdam: IOS Press.
- Harthorn, BH. (2011) Methodological challenges posed by emergent nanotechnologies and cultural values. In *The Handbook of Emergent Technologies and Social Research*, Ed. SN Hesse-Biber, pp. 65-88. New York: Oxford University Press.
- Roco, M, BH Harthorn, D Guston, & P Shapira. (2011) Innovative and responsible governance of nanotechnology for societal development. In M Roco & MC Hersam (Eds.), *Nanotechnology Research Directions for Societal Needs in 2020* (pp. 561-618). Boston and Berlin: Springer.
- Harthorn, BH. (2003) Safe exposure? Perceptions of risks from agricultural chemicals among California farmworkers. In *Risk, Culture, and Health Inequality: Shifting Perceptions of Danger and Blame*, B. Herr Harthorn and L. Oaks, eds, pp.143-164. New York: Greenwood/Praeger.
- Oaks, L and BH Harthorn. (2003) Health and the social and cultural construction of risk, In *Risk, Culture, and Health Inequality: Shifting Perceptions of Danger and Blame*, BH Harthorn and L Oaks, eds, pp. 3-12. New York: Greenwood/Praeger.

### Other Publications

- Harthorn, BH. Gender and nanotechnology. (2010) In *Encyclopedia of Nanotechnology and Society*, eds. David Guston and J. Geoffrey Golson, pp. 269-271. Thousand Oaks: Sage Publishers.
- Harthorn, Barbara Herr. (2010) Amplification of risk. In *Encyclopedia of Nanotechnology and Society*, eds. David Guston and J. Geoffrey Golson, pp 669-670. Thousand Oaks: Sage Publishers.
- Harthorn, Barbara Herr. (2010) Attenuation of risk. In *Encyclopedia of Nanotechnology and Society*, eds. David Guston and J. Geoffrey Golson, pp 671-672. Thousand Oaks: Sage Publishers.
- Barbara Herr Harthorn. 2010. Public participation in nanotechnology – should we care? Op ed on *2020 Science*, 5/4/2010. Available for download at: <http://2020science.org/2010/05/04/publicparticipation-in-nanotechnology-should-we-care/>
- Harthorn, BH, J Rogers, & C Shearer. (2010) Gender, application domain, and ethical dilemmas in nano-deliberation. White paper, Nanotechnology Risk Perception Specialist Meeting, Santa Barbara Jan 29-30, 2010.
- Satterfield, T, J Conti, & BH Harthorn. (2010) Designing for upstream risk perception research: Malleability and asymmetry in judgments about nanotechnologies. White paper, Nanotechnology Risk Perception Specialist Meeting, Santa Barbara Jan 29-30, 2010.

- Pidgeon, N, BH Harthorn, & T Satterfield. (2010) Nanotech: Good or bad? *The Chemical Engineer Today* (Dec 2009/Jan 2010): 37-39.
- Harthorn, BH, N Pidgeon, & T Satterfield. (2009) Risks and benefits of Nanotechnology. Online publication available for download at: <http://www.azonano.com/details.asp?ArticleId=2452AZoNano>.
- Harthorn, BH, K Bryant, & J Rogers. (2009) Gendered risk beliefs about emerging nanotechnologies in the US. *Univ of Washington Center for Workforce Development*; on-line publication posted at: <http://depts.washington.edu/ntethics/symposium/index.shtml>
- Responsible Nano Forum. (2006). *A Beacon or Just a Landmark? Reflections on the 2004 Royal Society/Royal Academy of Engineering Report: Nanoscience and nanotechnologies: opportunities and uncertainties*, Harthorn contributor, [http://www.responsiblenanoforum.org/publications/29\\_July](http://www.responsiblenanoforum.org/publications/29_July) (p.43)
- Gerritzen, G., L-C Huang, K Killpack, M Mircheva, J Conti, PA Holden, M Delmas, BH Harthorn, & RP Appelbaum. (2006) *A Review of Safety Practices in the Nanotechnology Industry. Phase one report: Current knowledge and Practices Regarding Environmental Health and Safety in the Nanotechnology Workplace*. International Council on Nanotechnology (ICON) ([icon.rice.edu](http://icon.rice.edu)) Oct 18, 2006 release Available at: [http://icon.rice.edu/projects.cfm?doc\\_id=12201](http://icon.rice.edu/projects.cfm?doc_id=12201)
- Gerritzen, G., L-C Huang, K Killpack, M Mircheva, J Conti, PA Holden, M Delmas, BH Harthorn, & RP Appelbaum (2006) *A Review of Safety Practices in the Nanotechnology Industry. Phase two report: Survey of Current Practices in the Nanotechnology Workplace*. International Council on Nanotechnology (ICON) ([icon.rice.edu](http://icon.rice.edu)) Nov 13, 2006 release. Available at: [http://icon.rice.edu/projects.cfm?doc\\_id=12201](http://icon.rice.edu/projects.cfm?doc_id=12201)
- Harthorn, BH. (1999) Review of *The Anthropology of Infectious Disease*, Marcia Inhorn and Peter Brown, eds. (1997). *Journal of Political Ecology*, vol. 6, [http://www.library.arizona.edu/ej/jpe/volume\\_6/inhornvol6.htm](http://www.library.arizona.edu/ej/jpe/volume_6/inhornvol6.htm)
- Harthorn, BH. (1997) Reviews of: *Many Mirrors: Body Image and Social Relations*, Nicole Sault, ed. (1995) and *Body, Self, and Society: The View from Fiji* (Anne E. Becker 1996). *Medical Anthropology Quarterly* n.s.11(3): 401-404.
- Herr, B (1983) *Gender and Illness among Lauan Fijians: Somatic and Affective Disorder*. PhD Dissertation, Department of Anthropology, University of California, Los Angeles.

#### SELECTED HONORS

- 2013 UC CEIN received California's highest environmental honor, the California Governor's Environmental and Economic Leadership Award (GEELA) in the field of Green Chemistry for its nanotechnology environmental health and safety efforts, Jan 22, 2013. As the leader of one of the 7 EHS research groups in the CEIN and a member of the Executive Committee, I share in this honor. EPA Administrator Lisa Jackson praised the Center for this accomplishment.
- 2009-2012 Member, Committee on Opportunities in Science (COOS), American Association for the Advancement of Science (AAAS)
- 2007 Elected to Fellowship, American Association for the Advancement of Science (AAAS), in Section X, "for contributions in bringing together scientists, social scientists, policy makers, and the general public to gain awareness and understanding of the risks and opportunities in science and technology."
- 2002 Fellow, Society for Applied Anthropology (SfAA)
- 1991 Fellow, American Anthropological Association
- 1991 Career Development Award, Associate Director, Interdisciplinary Humanities Center, UCSB
- 1984-87 National Institute of Mental Health, Postdoctoral Researcher, Department of Psychology, UCSB
- 1978-81 National Institute of Mental Health, National Research Service Award, School of Medicine, UC Los Angeles
- 1974-76 National Institute of Child Health and Development, Research Traineeship, School of Medicine, UC Los Angeles, 24 months
- 1973 Departmental Honors, Department of Anthropology, Bryn Mawr College
- 1969-1973 National Merit Sponsor Scholar, Bryn Mawr College

#### RESEARCH GRANTS & AWARDS

- Pending NSF: SES/STS NSF SES/STS Postdoctoral Fellowship: Energy, Risk and Urgency—Emergent Public Perceptions of Unconventional Oil and Gas Extraction, 2015-2017, Harthorn PI (\$107,788)

2010-2016 NSF: Nanoscale Science and Engineering Center: Center for Nanotechnology in Society at University of California at Santa Barbara-renewal, Harthorn PI and Director (\$7,081,934)

2014 NSF: Synthetic Biology Workshop on Societal Implications. Harthorn Exec Comm, PIs D. Guston ASU and R. Murray, CalTech. (\$150,000)

2013-2018 NSF/EPA: UC CEIN: Predictive Toxicology Assessment and Safe Implementation of Nanotechnology in the Environment, UCLA; PI Nel (\$24,000,000), Harthorn Co-PI UCSB subk (\$1,098,224)

2012 ISBER, UCSB: C-RIG grant, Figuring Sea Level Rise, Harthorn, BH and J Walker, PIs (\$4000)

2012 NSF: Workshop on Anticipatory Governance of Complex Engineered Nanomaterials, Exec Comm (PIs Guston, ASU, and Eggleston, Notre Dame) (\$60,000).

2008-2013 NSF: UC Center for Environmental Implications of Nanotechnology, UCLA; Harthorn co-PI on UCSB Subcontract (Keller, UCSB PI; Nel UCLA PI); (\$24,000,000 total; UCSB subk \$8,000,000).

2008-2011 NSF: SES Research Grant "Deliberating Nanotechnologies in the US: Gendered Beliefs about Benefits and Risks as Factors in Emerging Public Perception and Participation" Harthorn PI (\$249,996).

2007-2009 NIH-NICHD "GIS Training for Population Scientists" UCSB NCGIA, Advisory Board member.

2006 International Council on Nanotechnology and Risk (ICON), "Review of Safety Practices in the Nanotechnology Industry," contract, Harthorn Co-PI (Holden PI) (\$55,000).

2005-2010 NSF: Nanoscale Science and Engineering Center: Center for Nanotechnology in Society (NSF), Harthorn PI & Director (\$6,009,106)

2004-2006 NIH-NICHD Grant, GIS Training for Population Scientists" UCSB NCGIA, consultant

2004-2005 Centers for Disease Control/RTI, "Comprehensive Cancer Control: Focus Group 2" (Uses of GIS in Comprehensive Cancer Control in the US), Harthorn Co-PI (\$50,000)

2003-2004 ISBER Seed Grant, "The Social Ecology of an Innovative Middle School: Invented Tradition and Integrated Community," Harthorn PI (\$1,000)

2003-2004 Center for Chicano Studies, UCSB, SCR-43 Research Grant, "Risk Perception, Ethnicity, and Inequality," Harthorn PI (\$2,000)

2003 Center for Spatially Integrated Social Science, UCSB (NSF), "Health Risk Perception and Spatial Analysis," specialist meeting, Oct. 15-16, 2003, Harthorn PI (\$12,000)

2003 College of Letters and Science/Office of Research, "Health Risk Perception and Spatial Analysis" chair, specialist meeting, CSISS, Santa Barbara, Oct. 15-16, 2003, Harthorn PI (\$3,000)

2002-2003 Center for Chicano Studies, UCSB, SCR-43 Research Grant, "Risk and Culture: Farmworkers' choices, stress, and health inequality." Harthorn PI (\$4,262)

2001-2002 Center for Chicano Studies, UCSB, SCR-43 Research Grant, "Resisting Risk: Gender, Immigration, and Stratified Reproduction." Harthorn PI (\$4,173)

2000-2005 NSF Social Science Infrastructure Grant, "Center for Spatially Integrated Social Science," UCSB, Harthorn co-PI, executive comm (\$4,300,000)

1999-2000 Center for Chicano Studies, UCSB, SCR-43 Research Grant, "The Production of Health Inequality: Women Farmworkers in Central Coastal California, Harthorn PI (\$4,000)

1999-2002 Research Across Disciplines, Office of Research, UCSB, Research Grant, "Community Conflict and Public Participation GIS on the Agricultural Urban Interface," Harthorn Co-PI (\$20,000)

1999-2001 UC MEXUS, Faculty Research Grant, "The Production of Health Inequality: California Public Health, Mexican Immigrants, and Infectious Disease, Harthorn PI (\$15,000)

1998-1999 Center for Chicano Studies, UCSB, SCR-43 research grant, "Post-natal interviews, Family Factors in Maternal and Child Health among Farmworkers in Santa Barbara Co." Harthorn PI (\$1,000)

1998-2000 NCGIA, UCSB, Research seed grants (3), "GIS and Health and Toxicity on the Ag-Urban Interface," Harthorn PI (approx. \$15,000)

1998-1999 ISBER research seed funding, "Health and Toxicity on the Agricultural-Urban Interface in California," Harthorn co-PI (\$750)

1998 Center for Chicano Studies, UCSB, SCR-43 research grant, "Family Factors in Maternal and Child Health among Farmworkers in Santa Barbara Co." Harthorn PI (\$4,250)

1997-1999 UC MEXUS Research Small Grant, "Farmworker Health in Santa Barbara County: Developing Interventions," Harthorn PI (\$1,000)

1995-1997 UC MEXUS Research Grant, "Farmworker Health and Environmental Justice in Central

	California," Harthorn PI, (\$10,000)
1989-1991	UCSB Instructional Improvement Grant, innovative course development in the humanities, Harthorn PI (\$7,500)
1989-1991	UCSB Office of the Provost Grant, for innovative course development in the humanities, Harthorn PI (\$7,500)
1979-1981	National Institute of Mental Health, National Research Service Award, Individual Predoctoral Fellowship, Herr co-PI (PI, advisor, R. Edgerton), Socio-Behavioral Group, Neuropsychiatric Institute, School of Medicine, UCLA, 33 months support
1979-1980	National Institute of Mental Health, Predoctoral Cross-Cultural Research Grant, Herr co-PI (PI, advisor, R. Edgerton) 22 months, Fiji, South Pacific, \$15,000
1978	University of California Regents Research and Travel Award, UCLA
1978	Department of Anthropology Research and Travel Award, UCLA
1974-1976	National Institute of Child Health and Development, Research Traineeship, School of Medicine, UCLA, 24 months

### **SELECTED INVITED PRESENTATIONS (2005 - present)**

- "Surveying the Nanomaterials Industry: Lessons Learned and Challenges." National Webinar presentation, (US) Society of Toxicology, Nanotoxicology Specialty Section. Mar 10, 2014.
- "Understanding Societal Aspects of Emerging NanoTechnologies." Inaugural social science guest lecture, Peter Wall Institute, Nano Energy Group, Dept of Chemistry, Univ of British Columbia. Feb 27, 2014.
- "Risk Perception and Communication in Nanotechnology Stakeholder Engagement." Invited presentation in panel organized by the US Environmental Protection Agency on stakeholder engagement. American Association for the Advancement of Science, Chicago Feb 15, 2014.
- Invited testimony, US Presidential Commission on Bioethics, hearings on the White House BRAIN Initiative, Wash DC, Feb 10-11, 2014.
- "Evidence-Based Risk Perception and Communication for Ethical and Socially Sustainable Nanotechnology." Keynote address, NSF NSE Grantees meeting, Arlington, VA Dec 4-6, 2013.
- "Nanotechnology Multi-Stakeholder Risk Perception: Implications for Risk Analysis, Management, and Communication." Keynote address, 2013 NNI Risk3 Stakeholder Workshop, Washington DC Sept 11, 2013. Available for viewing, webcast and download at: ([nano.gov](http://nano.gov))
- "Surveying the Nanomaterials Industry: Lessons Learned & Challenges." Keynote address and webcast, NIOSH Stakeholder workshop, Cincinnati, OH, July 31, 2013.
- "Ethical, Legal and Societal Implications of Nanotechnologies." Invited plenary presentation, 2013 NNI Strategic Planning Stakeholder Workshop, Wash DC Jun 11-12, 2013.
- "Societal Dimensions of Responsible Innovation for Nanotechnology." National Webinar for the NACK (Nanotechnology Applications and Career Knowledge) Center at Pennsylvania State University, Dec 14 2012. Available for download and viewing at: <http://nano4me.org/webinars.php>
- "Public Perceptions of Nanotechnology Risk." Invited plenary talk in 1<sup>st</sup> annual CalNIN workshop (California Nanotechnology Industry Network), California NanoSystems Institute, UCLA Sept 25, 2012.
- "The Future of Responsible Development for Converging Technologies." Invited plenary presentation, Converging Technologies EU-US Workshop, Sept 20-21, 2012 Leuven, Belgium.
- Invited testimony, NAS Review Panel of the NNI for the Office of Science Technology Policy, US White House, Beckman Center, Irvine, CA, May 15-16, 2012.
- (with Cassandra Engeman) Invited teleconference co-presentation on industry risk perception and safety practices survey research to the Nanotechnology Working Group of NAIHA (National American Industrial Hygiene Association), April 18, 2012
- "Public Participation in Nanotech Development." Invited guest speaker/consultant, Nanotechnology Public Engagement & Communications (NPEC) Working Group (committee of the NNI NSET for the White House) April 13, 2012, teleconference.
- "Public Participation in Nanotechnology Risk Governance: Best Practices for Best Outcomes." Plenary Keynote Presentation, Nano Grantees meeting, Arlington, VA, Dec 5-7, 2011.
- Final Closing Plenary Panel Speaker, Nano Occupational and Environmental Health conference, Boston, August 10-12, 2011.
- "Nanotechnology and Risk Perception" Invited presentation, UC CEIN "Nanotoxicology Bootcamp" for Women in

- Science in Mexico, in collaboration with the UCLA Fogarty Program in International Training & Research in Environmental Occupational Health (operating in Mexico), UCLA, Aug 1-5, 2011.
- “CNS Public Research.” Invited teleconference presentation to a Meeting of the Nanotechnology Public Engagement & Communications Working Group of the Nanoscale Science, Engineering, and Technology Subcommittee. Washington, DC, July 8, 2011.
- “Health Enhancement and the Hazard Posed by New[Nano]Technologies.” Plenary invited presentation, Cascadia Seminar: Ethnographic Adventures in Medical Anthropology, University of Washington, Seattle, Mar 4-6, 2011.
- (with Patrick McCray). “New Methods for Public and Other Stakeholder Participation.” Plenary presentation, NNI and Societal Impact session, NSF Nanoscale Science & Engineering Grantees Conference. Arlington, VA, Dec 8, 2010.
- “Characterization of the Nanotechnology Workforce,” Plenary address, NIOSH conference on “Nanomaterials and worker health: medical surveillance, exposure registries, and epidemiological research.” Keystone, Colorado, July 20-22, 2010.
- “How Nanotech Risk Perception Informs EHS Decision Making.” Plenary address, NNCO Capstone Meeting: Risk Management Methods & Ethical, Legal, and Societal Implications of Nanotechnology. Arlington, VA. Mar 30-31, 2010.
- “The Past and Future of Responsible Development for Nanotechnologies.” Invited address, section 13, Long-term Impacts and Future Opportunities for Nanoscale Science and Engineering workshop (Nano2), Evanston, IL, Mar 9-10, 2010.
- “Societal Dimensions of Nanotechnology: Research for Responsible Development.” Invited testimony, President’s Council of Advisors on Science and Technology (PCAST), Working Group on Nanotechnology, NNI review meeting, Palo Alto, CA Feb 18, 2010.
- “NSEC: Center for Nanotechnology in Society at University of California, Santa Barbara.” Plenary presentation, NSF Nanoscale Science and Engineering Grantees Meeting. Arlington, VA, Dec 7-9, 2009.
- “Gender and Risk Beliefs about emerging nanotechnologies.” Invited keynote address at the *University of Washington Nano Ethics Workshop*, held in conjunction with the inaugural meeting of the *Society for Study of Nanoscience and Emerging Technologies*, Seattle, Sept 9, 2009.
- “Risk Perception and the Publics.” Testimony in Data for Decisionmakers session, US Congressional Nanotechnology Caucus, Capitol Hill, Washington, DC, Mar 8, 2009.
- “Nanotechnologies: Perception of Technological Risk & Constraints on Benefit among Comparative US/UK Publics.” Campus-wide faculty lecture, Center for Information Technology and Society, UCSB, Jan 15, 2009.
- “Legacy and Future of Social Impacts,” invited plenary address, NSEC PI meeting, NSF, Arlington, VA Dec 3-5, 2008.
- “Nanotechnology.” Keynote address at the annual meeting of the Conference Board’s Center for Corporate Citizenship & Sustainability, Westlake Village, Feb 22, 2008.
- “Nanotechnology, Risk, and Societal Response,” Guest lecture, Nano Roundtable, Goldman School of Public Policy, University of California, Berkeley, California. May 4, 2007.
- “How Do We Identify the Publics to be Engaged in Nanotechnology?” Invited keynote speaker at national stakeholder workshop, Public Participation in Nanotechnology Workshop, National Nanotechnology Coordinating Office, Arlington, VA, May 30-31, 2006
- “Center for Nanotechnology in Society-UCSB,” presentation in the NSF Nanotechnology in Society Network meeting, Arlington, VA, Feb 8, 2006.
- “Center for Nanotechnology in Society-UCSB,” Invited presentation, International Nanotechnology in Society Network meeting, Demos, London, Oct 17, 2005.

#### **RECENT UNIVERSITY SERVICE (2010 - present)**

- |              |   |
|--------------|---|
| 2015         | Office of Research, Human Subjects Online Program review, consultant  |
| 2013-present | Member, Department of Anthropology, Development Committee & Newsletter Committee  |
| 2013-present | Outside Junior Faculty Mentor, L&S  |
| 2008-present | Member, Executive Committee & Group Leader, NSF/EPA UC Center for Environmental Implications of Nanotechnology, UCLA/UCSB |
| 2005-present | Director, NSF national center, CNS-UCSB   |
| 2013         | Member, L&S Deans’ committee on Mellichamp Chairs proposal  |
| 2012         | Member, confidential L&S review committee, summer 2012  |

2012	Member, Search Committee for Director, Institute for Social, Behavioral and Economic Research
2011-2014	Member, Academic Senate Council on Faculty Issues and Awards
2011	Member, Search Committee for Director, Institute for Chicano Studies
2010-2011	Member, Confidential Chancellor Advisory Committee
2010-2011	Member, Steering Committee, Center for Applied Research, Institute for Chicano Studies Research
2008-2013	Member, Feminist Studies (Women's Studies) Department committees on feminist toolkit (curriculum), doctoral emphasis, dissertation scholars, visiting scholars, grad admissions
2008-2011	Founding Steering Committee, Institute for Chicano Studies, Center for Latino Health and Education, UCSB

#### **OTHER PROFESSIONAL SERVICE (2010 - present)**

2012-present	Executive Committee, NSF Workshop on the Anticipatory Governance of Complex Engineered Nanomaterials (AG-CENMs), Notre Dame & ASU
2008-present	Member, Executive Committee, Interdisciplinary Research Group 7 Leader (2008-2013), UCSB Co-PI, NSF/EPA National Center—University of California Center for Environmental Implications of Nanotechnology, UCLA & UCSB.
2005-present	Director, NSF National Center—Center for Nanotechnology in Society at UC Santa Barbara.
2014-2015	Executive Committee, NSF Workshop on Societal Implications of Synthetic Biology, ASU, Fall 2014
2013	Co-Chair and Organizer, Societal & Policy Issues Panel, Sustainable Nanotechnology Organization (SNO), 2 <sup>nd</sup> annual meeting, Nov 3-5, Santa Barbara, CA
2012	Co-Chair, NSF Nano Grantees meeting, Dec 3-4, Arlington, VA.
2012	Delegate on US team to EU-US Workshop on Converging Technologies, Leveun, Belgium, Sept 20-21. Social science representative on scientific delegation from US side.
2011-2012	Program Committee, Society for the Study of Nanoscience and Society (S.NET) 4 <sup>th</sup> annual meeting at Univ of Twente, Enschede, the Netherlands.
2011-2012	Scientific Planning Committee, Colloque on Nano, Ne3LS Network, Montréal, Canada, Nov 2012
2010-2011	Co-Chair, Co-Organizer (with CNS-ASU Director David Guston), S.NET 3 <sup>rd</sup> Annual meeting, 2011, Tempe, AZ Nov 7-10, 2011. International professional society meeting.
2009-2010	Program Committee, Society for the Study of Nanoscience and Emerging Technologies (S.NET), for 2 <sup>nd</sup> annual meeting, Darmstadt, Germany, Sept-Oct 2010.
2009-2010	Advisory Board, Nanotechnology and Gender Workshop, Center for Workforce Development, University of Washington, 2009-2010.
2008-2011	Founding member, new international professional organization: the Society for the Study of Nanoscience and Emerging Technologies (S.NET); member, interim executive committee, May 2008-Oct 2010; member, executive committee, 2010-2011
2008-2011	Society for Applied Anthropology, Malinowski Award Committee, 2008-2011
2007-08, 2010	External site team reviewer, NSF Nanoscale Science and Engineering Centers
2004-2011	Advisory Board, NICHD GIS Population Program, Penn State Univ., 2004-06, 2007-2009, 2009-2011

Reviewer for a wide range of journals and presses spanning the disciplines of anthropology, interdisciplinary social science, medicine and public health, environmental science, risk analysis, nanoscience and nanotechnology, technology and society, science studies, and immigration studies, including: *Academic Press-Public Health; American Scientific Publisher; Accounts of Chemical Research; East Asian Science, Technology, and Society; Ecological Economics; Emerging Health Threats; Environmental Science & Technology; Human Organization; Integrated Environmental Assessment and Management; Journal of Health & Human Behavior; Journal of Nanoparticle Research; Journal of Occupational & Environmental Hygiene; Journal of Political Ecology; Journal of Risk Research; Nature Nanotechnology; Review of Policy Research; Risk Analysis; Routledge Press; Science Communication; Science & Engineering Ethics; Science and Public Policy; Science, Technology & Human Values; Social Studies of Science; Springer Press; Taylor & Francis Press; Wiley UK Life Sciences; and WIREs Nanomedicine & Nanobiotechnology.*



Grant proposal and program reviewer for:

*International:* UK Economic & Social Research Council; Indo-US Science and Technology Forum

*Federal government, national programs:* US Department of Energy (DOE); US EPA STAR program; National Institute for Occupational Safety and Health; National Science Foundation—Social and Economic Science Division, Social Behavioral and Economic Directorate; Cross-Directorate: Program for International Research and Education; ENG-NSEC site review panels; Edmond J. Safra Foundation Center, Harvard University; Louisiana Board of Regents, Grants Program

*UC systemwide and UCSB programs:* UCSB—limited submission competitions for NSF IGERTs, STCs, other