

I. Academic/Professional Background**A. Name:** Monica L. Schoch-Spana**Title:** Associate Professor**B. Educational Background**

Degree	Year	University	Major	Thesis/Dissertation
Ph.D.	1998	Johns Hopkins University	Cultural Anthropology	Reactor Control and Environmental Management: A Cultural History of Agency in the US Nuclear Weapons Complex
M.A.	1992	Johns Hopkins University	Cultural Anthropology	
A.B.	1986	Bryn Mawr College	Cultural Anthropology	

C. University Experience

Position	University	Dates
Associate Professor	Texas State University San Marcos	2014-present
Senior Associate	UPMC Center for Health Security (formerly the Center for Biosecurity, University of Pittsburgh Medical Center, UPMC)	2003-present
Associate Professor (Adjunct)	Department of Medicine, Division of Infectious Diseases, University of Pittsburgh School of Medicine	2014-present
Associate Professor	Department of Medicine, Division of Infectious Diseases, University of Pittsburgh School of Medicine	2014
Assistant Professor	Department of Medicine, Division of Infectious Diseases, University of Pittsburgh School of Medicine	2003-2014
Senior Fellow	Center for Civilian Biodefense Strategies, Johns Hopkins University	2001-2003
Research Associate	Department of Health Policy and Management, School of Public Health, Johns Hopkins University	2001-2003
Fellow	Center for Civilian Biodefense Strategies, Johns Hopkins University	1999-2001
Research Associate	Department of Epidemiology, School of Public Health, Johns Hopkins University	1999-2001

Project Coordinator	Center for Civilian Biodefense Strategies, Johns Hopkins University	1998-1999
Summer Instructor	Department of Anthropology, School of Arts and Science, Johns Hopkins University	1998; 1999
Teaching Fellow	Women's Studies Program, School of Arts and Science, Johns Hopkins University	1998
Teaching Fellow	Department of Anthropology, School of Arts and Science, Johns Hopkins University	1997

D. Relevant Professional Experience

Position	Entity	Dates
Community Coordinator	AIDS Legislative Committee – Advocacy group for AIDS service providers, HIV+ individuals and persons with AIDS, Baltimore, MD	1995-1996; 1991-1992

II. TEACHING

A. Teaching Honors and Awards:

NA

B. Courses Taught:

Instructor, "Anthropology of Health and Healing," 1 section with 40 students, John Hopkins, Department of Anthropology, Summer 1999

Instructor, "Anthropology of Health and Healing," 2 sections with 35 students each, John Hopkins Department of Anthropology, Summer 1998

Instructor, "Gender Justice, Social Policy and Political Action," seminar with 12 students, Johns Hopkins, Department of Anthropology, Spring 1998

Instructor, "Human Being and Becoming" (introduction to anthropology), 60 students and 3 graduate teaching assistants, Johns Hopkins, Department of Anthropology, Fall 1997

Instructor, "Fearing, Revering and Engineering: The Anthropology of Nature," seminar with 10 students, Johns Hopkins, Department of Anthropology, Spring 1997

Instructor, "Science and Culture," 6 students, Johns Hopkins, Department of Anthropology, Summer 1995

Co-instructor, "Anthropology and Current Social Issues," 25 students, Johns Hopkins, Department of Anthropology, Spring 1989

C. Graduate Theses/Dissertations, Honors Theses, or Exit Committees (if supervisor, please indicate):

Advisor, Predoctoral Fellowship Program, National Consortium for the Study of Terrorism and Responses to Terrorism (START), University of Maryland, College Park

- Christine Muller, "Cultural Trauma and Personal Ordeals in the Context of September 11," 2008-09
- Rebecca L. Carter, "Spiritual Resilience in New Orleans," 2007-08
- W. Michael Dunaway, "Building Community Resilience: Business Perspectives on Emergency Preparedness, Business Continuity and Infrastructure Protection at the Local Level," 2007-08; 2006-07

D. Courses Prepared and Curriculum Development:

Anthropology of Disasters (undergraduate)

E. Funded External Teaching Grants and Contracts:

NA

F. Submitted, but not Funded, External Teaching Grants and Contracts:

NA

G. Funded Internal Teaching Grants and Contracts:

NA

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

NA

I. Other:

Graduate:

Guest Lecture, "Health Departments and the Evolving Role of the Public in US National Health Security," Risk Communications Course, University of Pittsburgh Graduate School of Public Health, October 18, 2011

Guest Lecture, "Public Archetypes in U.S. Biodefense Policy," Anthropology of Science Course, New York University, December 3, 2008

Guest Lecture, "Community Engagement in Health Emergency Planning," Risk Communications Course, University of Pittsburgh Graduate School of Public Health, September 16, 2008

Guest Lecture, "Community Engagement in Health Emergency Planning," Risk Communications Course, University of Pittsburgh Graduate School of Public Health, November 27, 2007

Guest Lecture, "Public Archetypes in U.S. Counter-Bioterrorist Policy," Risk Communications Course, University of Pittsburgh Graduate School of Public Health, November 28, 2006

Lecturer, *Medical and Public Health Aspects of Bioterrorism*, Health Policy and Management Summer Institute, Johns Hopkins School of Public Health – approx. 50 attendees including state health officials, federal government officials, medical practitioners, members of the military and graduate students in public health, June 17-19, 2003

Lecturer, "Bioterrorism: National Security Threat, Public Health Emergency," Greenwall Fellows Seminar, The Phoebe R. Berman Bioethics Institute, Johns Hopkins University, October 29, 2002

Lecturer, *Medical and Public Health Aspects of Bioterrorism*, Health Policy and Management Summer Institute, Johns Hopkins School of Public Health – approx. 50 attendees including state health officials, federal government officials, medical practitioners, members of the military and graduate students in public health, June 12-14, 2002

Lecturer and Co-Organizer with Tara O'Toole and Tom Inglesby, *Medical and Public Health Aspects of Bioterrorism*, Epidemiology and Biostatistics Summer Institute, Johns Hopkins School of Public Health – approx. 45 attendees including state health officials, federal government officials, medical practitioners, members of the military and graduate students in public health, June 25-27, 2001

Lecturer, "Planning for a Public Health Emergency: Lessons from the 1918 Influenza Pandemic," at the 4th Annual Maryland Infection Control Network Infection Control Practitioner Course, Johns Hopkins Hospital, February 20, 2001

Lecturer, “Bioterrorism: The Threat of an Intentional Epidemic,” at the Ninth Annual Advances in the Management of Infectious Diseases, Memorial Hospital. South Bend, IN, October 27, 1999

Co-instructor, “Walk in My Moccasins,” 1-day workshop on role of cultural diversity awareness in AIDS/HIV education, prevention, and treatment, University of Maryland Institute of Human Virology and Maryland State AIDS Administration, DHMH – approx. 20 professional students

- September 17, 2001
- October 3, 2000
- October 6, 1999
- September 24, 1998

Undergraduate:

Guest Lecturer, “Public Archetypes in U.S. Counter-Bioterrorist Policy,” for course *War, Catastrophes and the City*, Bryn Mawr College, Growth and Structure of Cities Program, Fall 2008

Guest Lecturer, “Bioterrorism, U.S. Public Health and Secular Apocalypse,” for course *War, Catastrophes and the City*, Bryn Mawr College, Growth and Structure of Cities Program, Fall 2004

Guest Lecturer, “Citizen Preparedness for Bioterrorism: Strategic Considerations,” for *Issues in Public Health*, Intersession Course, Johns Hopkins University – Homewood, January 2003

Guest Lecturer, “Bioterrorism,” *Issues in Public Health*, Intersession Course, Johns Hopkins University – Homewood, January 2002

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press)

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

1. **Schoch-Spana M**, Norwood A, Sell TK, Morhard R. *Rad Resilient City: A Preparedness Checklist for Cities to Diminish Lives Lost from Radiation after a Nuclear Terrorist Attack*. Baltimore, MD: Center for Biosecurity of UPMC; 2011.

2. **Schoch-Spana M.** *How to Lead during Bioattacks with the Public's Trust and Help: A Manual for Mayors, Governors, and Top Health Officials.* Baltimore, MD: UPMC Center for Biosecurity, 2004. 20,000 copies with CD-ROM distributed to top decision-makers nationwide, 2004-05.

b. Textbooks:

NA

c. Edited Books:

1. Albro R, Marcus G, McNamara LA, **Schoch-Spana M**, Marcus G. *Anthropologists in the SecurityScape: Ethics, Practice, and Professional Identity*, Walnut Creek, CA: Left Coast Press, 2011.

d. Chapters in Books:

1. **Schoch-Spana M.** Standing at the crossroads of anthropology, public health, and national security. In *Anthropologists in the SecurityScape: Ethics, Practice, and Professional Identity*. R Albro et al, eds. Walnut Creek, CA: Left Coast Press, 2011, pp. 101-114.

2. **Schoch-Spana M.** Community resilience: Beyond wishful thinking. In *A Crossroads in Biosecurity: Steps to Strengthen U.S. Preparedness*. Baltimore, MD: Center for Biosecurity of UPMC, 2011, pp. 36-41.

3. **Schoch-Spana M.** Model citizenship in the management of public health emergencies: The role of open government. In *Selected Essays on State Open Government Law and Practice in a Post-9/11 World*. J Addicott, E Garcia, eds. Tucson, AZ: Lawyers & Judges Publishing Company, Inc., 2008, pp. 106-124.

4. **Schoch-Spana M**, Franco F, Nuzzo JB, Usenza C. On behalf of the Working Group on Community Engagement in Health Emergency Planning. Community engagement: Leadership tool for catastrophic health events. In *Emergency Management in Higher Education: Current Practices and Conversations; Papers from the 2007 FEMA Emergency Management Higher Education Conference*. JA Hubbard, ed. Fairfax, VA: PERI, 2007, pp. 97-228.

5. **Schoch-Spana M.** Public archetypes in US counter-bioterrorist policy. In *Understanding and Responding to Terrorism*. H Durmaz et al, eds. NATO Security through Science Series, E: Human and Societal Dynamics – Volume 19. Amsterdam, Netherlands: IOS Press, 2007, pp. 364-374.

6. **Schoch-Spana M.** Implications of pandemic influenza for bioterrorism response. In *Health and Healing in Comparative Perspective*. ED Whitaker, ed. Upper Saddle River, NJ: Pearson Education, Inc., 2006, pp. 243-250.
7. Glass TA, **Schoch-Spana M.** Bioterrorism and the people: How to vaccinate a city against panic. *Homeland Security and Terrorism: Readings and Interpretations*. R Howard, J Forest, J Moore, eds. New York, NY: McGraw-Hill, 2006, pp. 443-454.
8. **Schoch-Spana M.** Strategies to remedy panic in a pandemic: Lessons from biodefense. In *The Threat of Pandemic Influenza: Are We Ready? – Workshop Summary*. S Knobler et al, eds. Washington, DC: NAS Press, 2005, pp. 347-357.
9. **Schoch-Spana M.** Psychosocial consequences of a catastrophic outbreak of disease: Lessons from the 1918 pandemic influenza. In *Bioterrorism: Psychological and Public Health Interventions*. R Ursano, C Fullerton, A Norwood, eds. Cambridge University Press, 2004, pp. 38-55.
10. **Schoch-Spana M.** Educating, informing and mobilizing the public. In *Terrorism and Public Health*. B Levy, V Sidel, eds. Oxford University Press, 2003, pp. 118-135.
11. **Schoch-Spana M.** National Security and radiological control: Worker discipline in the nuclear weapons complex. In *More than Class: Studying Power in US Workplaces*. A Kingsolver, ed. The Series in the Anthropology of Work, SUNY Press, 1998, pp. 21-52.
12. Claeson B, Martin E, Richardson W, **Schoch-Spana M**, Taussig KS. 'Scientific Literacy,' What It Is, Why It's Important, and Why Scientists Think We Don't Have It: The Case of Immunology and the Immune System. In *Naked Science: Anthropological Inquiry into Boundaries, Power, and Knowledge*. L Nader, ed. New York: Routledge, 1996, pp. 101-116.
13. **Schoch-Spana M.** Appendix E: Labor and the mission change within DOE. In *Dismantling the Bomb and Managing the Nuclear Materials*. US Congress, Office of Technology Assessment, OTA-0-572. Washington, DC: U.S. Government Printing Office, September, 1993, pp. 189-196.
14. **Schoch-Spana M.** "Es como si fuera la casa de uno": The role of the community church in maintaining Puerto Rican ethnicity. In *To Know Thyself: Encounters with American Ethnic Cultures*. P Kilbride, J Goodale, E Ameisen, eds. University of Alabama Press, 1990, pp. 268-292.

e. Creative Books:

NA

2. Articles

a. Refereed Journal Articles:

1. **Schoch-Spana M**, Selck F, Goldberg L. A National Survey on Health Department Capacity for Community Engagement in Emergency Preparedness. *Journal of Public Health Management and Practice* 2014 Oct 9. [Epub ahead of print]
2. Daugherty Biddison EL, Gwon H, **Schoch-Spana M**, et al. The Community Speaks: Understanding Ethical Values in Allocation of Scarce Lifesaving Resources during Disasters. *Annals of the American Thoracic Society* 2014 Jun; 11(5):777-83.
3. **Schoch-Spana M**, Sell TK, Morhard M. Local health department capacity for community engagement and its implications for disaster resilience. *Biosecurity & Bioterrorism* 2013; 11(2):118-129.
4. **Schoch-Spana M**. The people's role in U.S. national health security: Past, present, and future, *Biosecurity & Bioterrorism* 2012; 10(1):77-88.
5. **Schoch-Spana M**, Bouri N, Rambhia KJ, Norwood A. Stigma, health disparities, and the 2009 H1N1 influenza pandemic: How to protect Latino farmworkers in future health emergencies. *Biosecurity & Bioterrorism* 2010; 8(3):243-254.
4. **Schoch-Spana M**, Courtney B, Franco C, Norwood A, Nuzzo JB. Community resilience roundtable on the implementation of Homeland Security Presidential Directive 21 (HSPD-21). *Biosecurity & Bioterrorism* 2008; 6(3):269-278.
5. **Schoch-Spana M**, Franco C, Nuzzo JB, Usenza C on behalf of the Working Group on Community Engagement in Health Emergency Planning. Community engagement: Leadership tool for catastrophic health events. *Biosecurity & Bioterrorism* 2007; 5(1):8-25.
6. **Schoch-Spana M**, Chamberlain A, Franco C, Gross J, Lam C, Mulcahy A, Nuzzo JB, Toner E, Usenza C. Disease, disaster, and democracy: The public's stake in health emergency planning. *Biosecurity & Bioterrorism* 2006; 4(3):313-319.
7. **Schoch-Spana M**, Fitzgerald J, Kramer BR, and The UPMC Influenza Task Force. Influenza vaccine scarcity 2004-05: Implications for biosecurity and public health preparedness. *Biosecurity & Bioterrorism* 2005; 3(3):224-234.

8. **Schoch-Spana M.** Bioterrorism: US public health and a secular apocalypse. *Anthropology Today* 2004; 20(5):1-6.
9. **Schoch-Spana M**, O'Toole T, Inglesby T for the Working Group on 'Governance Dilemmas' in Bioterrorism Response. Leading during bioattacks and epidemics with the public's trust and help. *Biosecurity and Bioterrorism* 2004; 2(1):25-40.
10. **Schoch-Spana M.** Commentary on biodefense challenges for medicine, nursing and public health. *Biological Research for Nursing* 2003; 4(4):251-54.
11. Glass T, **Schoch-Spana M.** Bioterrorism and the public: How to vaccinate a city against panic. *Clinical Infectious Diseases* 2002; 34:217-223.
12. **Schoch-Spana M.** Hospitals 'full-up': The 1918 influenza pandemic. *Public Health Reports* 2001; 116(Suppl 2):32-33.
13. **Schoch-Spana M.** Implications of pandemic flu for bioterrorism response. *Clinical Infectious Diseases* 2000; 31(6):1409-1413.
14. Inglesby TV, Dennis DT, Henderson D, **Schoch-Spana M.** For the Working Group on Civilian Biodefense. Plague as a biological weapon: Medical and public health management. *Journal of the American Medical Association* 2000; 283(17):2281-2290.
15. Kass NE, Sugarman J, Faden R, **Schoch-Spana M.** Trust: The fragile foundation of contemporary biomedical research. *Hastings Center Report* 1996; 25(5):25-29.

b. Non-refereed Articles:

1. **Schoch-Spana M**, Bouri N, Norwood A, Rambhia K. Preliminary findings: Study of the impact of the 2009 H1N1 influenza pandemic on Latino migrant farm workers in the US. Center for Biosecurity of UPMC H1N1 Influenza Research Brief; November 23, 2009. Available at http://www.upmc-biosecurity.org/website/focus/2009_H1N1_updates/pdf/2009-11-23-RschBrf_MSFW_stigma.pdf
2. **Schoch-Spana M**, Norwood A, Bouri N, Rambhia K. Social stigma attached to 'swine flu'—An FAQ for US elected leaders and health officials. Center for Biosecurity of UPMC Swine Flu Issue Brief, April 30, 2009. Available at http://www.upmc-biosecurity.org/website/focus/2009_H1N1_updates/pdf/2009-04-30-StigmaFAQ.pdf
3. **Schoch-Spana M**, Norwood A. Stigma: Its harm and its remedy in outbreaks like swine flu. Center for Biosecurity Swine Flu Issue Brief, April 24, 2009. Available at

http://www.upmc-biosecurity.org/website/focus/2009_H1N1_updates/pdf/2009-04-30-StigmaFAQ.pdf

4. **Schoch-Spana M**, Courtney B, Norwood A. Expanding the public's role in health emergency policy. *Biosecurity & Bioterrorism* 2009; 7(1):39-41.
5. **Schoch-Spana M**. Resilient American communities: Progress in practice and policy. *Biosecurity & Bioterrorism* 2010; 8(1):97-98.
6. **Schoch-Spana M**, Courtney B, Franco C, Norwood A, Nuzzo JB. Community resilience roundtable on the implementation of Homeland Security Presidential Directive 21 (HSPD-21). *Biosecurity & Bioterrorism* 2008; 6(3):269-278.
7. **Schoch-Spana M**. Editorial – Community resilience for catastrophic health events. *Biosecurity & Bioterrorism* 2008; 6(2):129-130.
8. **Schoch-Spana M**. Views on Policy: Post-Katrina, pre-pandemic America. *Anthropology News* 2006; 47(1).
9. **Schoch-Spana M**. Biodefense – If risk communication is the answer, what is the question? *Natural Hazards Observer* 2004; 29(1):1-3.
10. **Schoch-Spana M**, Lien O. Leading during bioattacks with the public's trust and help. *Biosecurity Bulletin* 2004; 5(4):1-2,7-8.
11. Nuzzo J, **Schoch-Spana M**. Parity for mental health in public health preparedness. *Biodefense Quarterly* 2003; 5(2):3,10-11.
12. **Schoch-Spana M**. Beyond pacification and a panicked public: New principles for bioterrorism preparedness and response. *PA Times* (American Society for Public Administration) 2003; 26(2):9-10.
13. **Schoch-Spana M**. Beyond pacification and the panicked public: New principles for bioterrorism preparedness and response. Commentary, *Maxwell Campbell Public Affairs Institute*, 2002. Available at <http://www.maxwell.syr.edu/campbell/Events/Schoch-Spana.pdf>.
14. **Schoch-Spana M**. Hospitals Buckle during normal flu season: Implications for bioterrorism response. *Biodefense Quarterly* 2000;1(2):1-2,8.
15. **Schoch-Spana M**. A West Nile Virus post-mortem. *Biodefense Quarterly* 1999; 1(3); 1-2,6-7.

3. Conference Proceedings

a. Refereed Conference Proceedings:

1. **Schoch-Spana M.** Rad Resilient City: A preparedness checklist to save lives following a nuclear detonation. Health Physics 2013; 105(5):462-463.

b. Non-refereed:

NA

4. Abstracts:

NA

5. Reports:

1. **Schoch-Spana M**, Bouri N, Minton, K, Morhard R, Norwood A, Ravi S, Sell TK. Mass Population Displacement after a Nuclear Terrorist Attack: How to Hasten and Strengthen the Recovery of Uprooted Communities; Phase I Report – Building an Empirical Foundation for US National Policy. Baltimore, MD: UPMC Center for Health Security; December 26, 2013.

2. Mileti D, **Schoch-Spana M**, Madden S. Setting the standards: Best practices workshop for training local risk communicators, Report to Human Factors/Behavioral Sciences Divisions, Science and Technology Directorate, US Department of Homeland Security. College Park, MD: START, 2012.

3. Committee on Increasing National Resilience to Hazards and Disasters; Committee on Science, Engineering, and Public Policy, Disaster Resilience: A National Imperative, National Research Council. Washington, DC: The National Academies Press; 2012.

4. Committee to Review the Department of Homeland Security's Approach to Risk Analysis, National Research Council. Review of the Department of Homeland Security's Approach to Risk Analysis. Washington, DC: The National Academies Press; 2010.

5. Committee on Standards and Policies for Decontaminating Public Facilities Affected by Exposure to Harmful Biological Agents: How Clean is Safe? National Research Council. Reopening Public Facilities After a Biological Attack: A Decision-Making Framework. Washington, DC: The National Academies Press; 2005.

6. Committee on Educational Paradigms for Homeland Security, National Research Council. Frameworks for Higher Education in Homeland Security. Washington, DC: The National Academies Press; 2005.

6. Book Reviews:

1. **Schoch-Spana M.** Review of “The 1918-1920 Influenza Pandemic Escape Community Digital Document Archive.” Bulletin of the History of Medicine 2007; 81(4):863-865.

2. **Schoch-Spana M.** Review of “Safe Food: Bacteria, Biotechnology, and Bioterrorism” by Marion Nestle. Agricultural History 2006; 80(4):470-72.

7. Other Works in Print:

a. Multi-Media:

Schoch-Spana M. Writer and Creative Director, “Hospitals ‘Full-Up’: The 1918 Influenza Pandemic,” documentary at the National Symposium on Medical and Public Health Response to Bioterrorism, November 28, 2000; grant from US Public Health Service, Office of Emergency Preparedness for licensing permission and production for mass distribution of video.

b. Media Interviews and Appearances (select):

- New York Times
- Washington Post
- Los Angeles Times
- Associated Press
- Reuters
- Newsweek
- Magazine
- Chronicle of Higher Education
- National Journal
- Christian Science Monitor
- Congressional Quarterly
- Maryland Public Television
- NBC Dateline
- National Public Radio

B. Works not in Print

1. Papers Presented at Professional Meetings:

a. Scientific Meetings – Anthropology:

“Colliding Worlds of Anthropology, Public Health and National Security” with the panel *Anthropology and Its Publics* at the 2009 Annual Meetings of the American Anthropological Association, San Francisco, CA, December 4.

“Unmasking Public Archetypes in US Biodefense Policy,” with the High Table *Extreme Events: Social Vulnerability and Global Policy/Local Reality*, at the 2008 Annual Meetings of the American Anthropological Association, San Francisco, CA, November 20.

“Chasing Down the Panicky Public in Bioterrorist Policy,” with the panel *Rethinking Security and Defense: Anthropologists’ Engagements with the Security Sector*, Annual Meetings of the Society for Applied Anthropology, Tampa, FL, March 30, 2007.

“Bridging Policy and Social Critique,” Panelist, University of Minnesota Institute for Advanced Study’s Conference on *Epidemics in the Making: Politics and the Production of Infectious Disease*, Minneapolis, MN, February 17, 2006.

“American Power in the Bioweapons Era,” Invited Session entitled *Waking Up Sleeping Metaphors: Conversations with Emily Martin*, at the 2005 Annual Meetings of the American Anthropological Association, Washington, DC, December 3.

“Bioterrorism, US Public Health and a Secular Apocalypse,” University of Michigan Institute for the Humanities, *Reframing Infectious Disease International Conference*, Ann Arbor, MI, December 4, 2004.

“Engaging the ‘New Normal’: Terror, Homeland Security, and American Power,” Workshop, Society for Cultural Anthropology Biennial Meeting, Portland, OR, May 1, 2004.

“Bioterrorism and a Secular Apocalypse,” with the executive session, *A Plagued Future?: Emerging Diseases, Bioweapons and Other Anticipated Microbial Horrors*, 2002 Annual Meetings of the American Anthropological Association, New Orleans, LA, November 20–24.

“The Anthropology of Public Health of National Security: An Ethnographer’s Journey into Biodefense,” with the University of Minnesota conference, *Medicine/Culture/Power: A Conference Exploring the Contemporary Challenges of Practicing and Understanding Medicine*, October 16–18, 2002.

“Bioterrorism and Secular Apocalypse,” with the conference, *Bioterrorism: Historical Contexts, Long-Term Consequences*. Department of Anthropology, History and Social Medicine, University of California, San Francisco. May 8, 2002.

“‘Du Pont Will Blot Dunbarton Off the Map’: History, Territory, and Corporate Agency in the U.S.,” with the panel, *Subjectivity and the Corporation*, at the 1997 American Anthropological Association Annual Meeting, Washington, D.C., November 22. [Also, Panel Organizer]

“National Security and Radiological Control: Learning Boundaries at a Nuclear Materials Workplace,” with the panel *Body Work/Body Talk: Refiguring the Body in Anthropological Discourse*, at 1996 American Anthropological Association Annual Meeting, San Francisco, CA.

“Managing the Environment vs. Producing Nuclear Materials: The Search for ‘Real’ Work in the Nuclear Weapons Complex,” with the panel, *Industrial and Corporate Organization*, at 1996 Annual Meeting of the Society for Applied Anthropology, Baltimore, MD, March 27-31.

“Environmental Monitoring Work at a Nuclear Materials Facility,” with the panel *Technoscience Communities and the Interaction of Computer and Scientific Networks* at 1995 American Anthropological Association Annual Meetings, Washington, D.C., November 15-19.

“‘Scientific Literacy,’ What It Is, Why It’s Important, and Why Scientists Think We Don’t Have It: The Case of Immunology and the Immune System,” with B. Claeson, E. Martin, W. Richardson, and K. Taussig, at the American Association for the Advancement of Science Annual Meeting, Washington, D.C., February 16, 1991.

b. Scientific Meetings – Public Health; Homeland Security:

“What Policymakers Need to Hear from Preparedness Practitioners about Community Engagement,” Annual Meeting of the National Association of County and City Health Officials, Dallas, TX, July 11, 2013.

“Meeting the National Challenge: Measuring Progress in Building Resilient Communities” (plenary), Public Health Preparedness Summit 2013, Atlanta, GA, March 13, 2013.

“What Policymakers Need to Hear from Preparedness Practitioners about Community Engagement,” Public Health Preparedness Summit 2013, Atlanta, GA, March 12, 2013.

“Health Agency Infrastructure for Community Engagement in Public Health Emergency Preparedness: Case Study Findings,” Public Health Preparedness Summit – National Health Security Strategy, Atlanta, GA, February 24, 2011.

“Model Citizenship in the Management of Public Health Emergencies – The Role of Open Government,” Security of Global Port Cities Conference convened by the Center for the Study of Global Change, Indiana University, Bloomington, April 30 to May 2, 2008.

“Community Engagement in Public Health Emergency Planning,” 10th Annual Emergency Management Higher Education Conference, FEMA National Emergency Training Center, Emmitsburg, MD, June 6, 2007.

“Engaging Community Partners in Preparedness Planning,” 1st Annual DHS University Network Summit on Research and Education, Washington, DC, March 16, 2007.

“Outbreaks in the Information Age – Lessons from Anthrax '01,” with the general session on *How to Communicate the Known and Unknown in a Public Health Emergency*, Annual Meetings of the Group on Institutional Advancement and the Association of American Medical Colleges, November 6, 2004.

“Governance Dilemmas for Leaders during Bioterrorism,” Terrorism and All-Hazards Preparedness Educational Program, National Environmental Health Association Annual Conference, Anchorage, AK, May 9, 2004.

“Responding to Bioterrorism in the Information Age: Public Reflections on Anthrax,” with the plenary session, *Building Bridges to the Future: Lessons Learned from Anthrax*, 2001. Society for Risk Analysis Annual Meeting. Baltimore, MD, December 10, 2003.

“Conduct of Research in the Aftermath of Bioterrorism: Key Policy Considerations,” at the National Defense and Human Research Protections Conference, Washington, DC, October 21-23, 2002.

“People’s Role in Biodefense,” at the 2002 Chemical and Bioterrorism Preparedness Conference, National Environmental Health Association, Minneapolis, MN, June 30-July 2.

Keynote Address, “Learning from the Past: The 1918 Influenza Pandemic,” at the conference, *Planning for Biological Events: Responses to Terrorism & Infectious Diseases Outbreaks*, sponsored by USUHS and SAMHSA. Bethesda, MD, October 19-21, 2001.

“Observations from Operation TOPOFF,” at the 2001 Chemical and Bioterrorism Preparedness Conference, National Environmental Health Association, Atlanta, GA, June 28.

“Past and Present Roles of Public Health Professionals,” with the General Session, *Health Emergencies: Addressing Public Health Threats*, 2001 Public Health Professional Conference, Commissioned Officers Association of the U.S. Public Health Service, Washington, DC, May 31.

2. Invited Talks, Lectures, and Presentations:

a. Invited Seminars and Talks – Anthropology:

Discussant, “Re-imagining Paths Not Taken: Conversations with Emily Martin on Culture and Mind,” at the 2014 Annual Meetings of the American Anthropological Association, Washington, DC, December 4, 2014.

Discussant, Research Seminar Series, Center for the History of Business, Technology, and Society, Hagley Museum & Library; Joy Parr: “National Cultures of Risk: Radiation Protection in Nuclear Industries.” Wilmington, DE, May 8, 2003.

“Du Pont *Know-How*, National Progress and the Coming of the Atomic Bomb to the Old Cotton Belt,” Rutgers University Center for Historical Analysis, Seminar on Industrial Environments: Creativity and Consequences, New Brunswick, NJ, March 4, 2003.

“Moving Through Highly Stratified Institutions: Problems in Field Methods.” Graduate Student Dissertation Write-Up Workshop: Out of the Field, Into the Fire. Department of Anthropology, Johns Hopkins University. Baltimore, MD, March 28, 1998.

“National Security and Worker Discipline in the Nuclear Weapons Complex,” Anthropology Colloquium, Johns Hopkins University. Baltimore, MD, October 31, 1996.

“Constructing Nation and Nature: A Cultural History of Work in the Nuclear Weapons Complex,” at the Hagley Museum and Library, Center for the History of Business, Technology, and Society. Wilmington, DE, October 30, 1996.

“A Vanishing Fenceline: Constructions of ‘Community’ at a Nuclear Weapons Facility,” at the Seminar in Atlantic History, Culture and Society, The Johns Hopkins University. Baltimore, MD, April 2, 1990.

b. Invited Seminars and Talks – Public Health; Homeland Security:

“Ensuring Public Engagement in the Gain-of-Function Debate and Its Outcomes,” presentation at Risks and Benefits of Gain-of-Function Research: A Symposium. National Academy of Sciences, Washington, DC, December 15-16, 2014.

“Mass Population Displacement as a Problem for IND Recovery,” presentation at the Federal Emergency Management Agency, Region III RISC/RAC Fall Meeting, Philadelphia, PA, November 18, 2014.

"A National Survey on Health Department Capacity for Community Engagement in Emergency Preparedness," presented at NHSS Meeting, Session on Preparedness and Resilience, Department of Health and Human Services. November 12, 2013.

“Resilience Revisited,” panelist at the 38th Annual Natural Hazards Research and Applications Workshop, University of Colorado at Boulder, Broomfield, CO, July 15, 2013.

“Resilient Health Systems,” presentation at “Infrastructure and Community Resilience: Natural and Human-Caused Disasters,” symposium convened by the University of Maryland, National Academy of Engineering, National Science Foundation, Virginia Tech, and the University of Delaware. College Park, MD, April 11, 2013.

“How to Build Public Health Preparedness Partnerships,” presentation at the “Workshop on Community Resilience,” convened by START, CREATE, LUCRAM, U.S. Department of Homeland Security, and MSB/Swedish Civil Contingencies Administration, Stockholm, Sweden, March 13, 2013.

“Health, Medical, and Population – What Might Happen,” panelist at Catastrophic Disaster Response: Health, Medical, and Population Planning at the Regional Level, conference convened by Johns Hopkins University Applied Physics Laboratory, Community Emergency Response Network, and the Regional Catastrophic Preparedness Grant Program. Laurel, MD, March 5, 2013.

“Survivability and the Region’s Response,” panelist at Getting Back to Business after a Catastrophe: A Regional Exercise and Preparedness Summit for Commercial Real Estate Leaders, convened by the Golden Triangle Business Improvement District, Washington, DC, December 6, 2012.

“Building Resilient Communities by Creating Community Networks,” American Red Cross Day at the White House, Washington, DC, September 14, 2012.

“Reconstituting Community in the Aftermath of Nuclear Terrorism (Poster),” International Disaster and Risk Conference, Global Risk Forum Davos, Switzerland, August 29, 2012.

“The Rad Resilient City Checklist: A Life-Saving Preparedness Tool for Nuclear Terrorism,” 6th Annual Emergency Management Summit. Baltimore, MD, September 5, 2012.

“Not Just Zombies: Increasing Public Health Preparedness and Response (Panel),” 37th Annual Natural Hazards Research and Applications Workshop, University of Colorado at Boulder, Broomfield, CO, July 17, 2012.

“Disasters and Community Resilience: National Research Council Findings and Guidance (Plenary),” 37th Annual Natural Hazards Research and Applications Workshop, University of Colorado at Boulder, Broomfield, CO, July 16, 2012.

“Rad Resilient City: A Preparedness Checklist to Diminish Lives Lost from Radiation after a Nuclear Terrorist Attack,” Annual National Radiological Emergency Preparedness Conference, St. Paul, MN, April 26, 2012.

“Rad Resilient City: A Preparedness Checklist for Cities to Diminish Lives Lost from Radiation after a Nuclear Terrorist Attack,” Radiological Emergency Preparedness and Response: Coordinating Efforts between Public Health and Public Safety Agencies, convened by the Johns Hopkins Public Health Preparedness Programs, Linthicum, MD, March 29, 2012.

“Rad Resilient City: A Preparedness Checklist to Save Lives following a Nuclear Detonation,” National Council on Radiation Protection and Measurements Annual Meeting, Bethesda, MD, March 12, 2012.

“How Your City Can Survive a Nuclear Terrorist Attack,” Public Health Preparedness Summit, Anaheim, CA, February 24, 2012.

“Rad Resilient City: A Preparedness Checklist to Diminish Lives Lost from Radiation after a Nuclear Terrorist Attack,” National Alliance for Radiation Readiness, Washington, DC, November 16, 2011.

“Rad Resilient City: A Preparedness Checklist to Diminish Lives Lost from Radiation after a Nuclear Terrorist Attack,” Big City Emergency Managers, Fall 2011 Meeting, New York City, NY, October 20, 2011.

Panelist, “Surviving a Nuclear Event Conference,” convened by the Community Emergency Response Network, Howard County, Maryland, Clarksville, MD, September 8, 2011.

“Health Departments and the Evolving Role of the Public in U.S. National Health Security,” Department of Homeland Security Brown Bag Lunch Series, August 25, 2011, Washington, DC.

“The Public’s Role in Disasters and Epidemics,” Kettering Foundation Communities around the World Conference, Dayton, OH, March 30, 2009.

“Baltimoreans’ Responses to Spanish Flu and Its Control,” with the Controlling Epidemics: Use of Isolation Measures panel convened by AAAS Center for Science, Technology & Security Policy and the Henry L. Stimson Center’s Global Health Security Program, Washington, DC, September 10, 2008.

“Community Engagement in Health Emergency Planning,” Transition Task Force, Homeland Security Policy Institute, George Washington University, Washington, DC, July 24, 2008.

“Community Engagement in Health Emergency Planning,” 2008 Illinois Public Health Emergency Preparedness Summit, Oakbrook, IL, July 16-17, 2008.

“Defining and Developing Disaster Resilience (Panel),” 33rd Annual Hazards Research and Applications Workshop, University of Colorado, Boulder, CO, July 12-15, 2008.

“Handcuffing the Flu: Can a Law Enforcement/National Security Approach to Pandemic Preparedness Protect the American People?,” panel convened by the ACLU, National Press Club, Washington, DC, January 14, 2007.

“Model Citizenship in the Management of Public Health Emergencies – The Role of Open Government,” Conference on State Open Government Law and Practice in a Post-9/11 World: Legal and Policy Analysis, National Press Club, Washington, DC, November 15, 2007.

“Involving Residents in the Emergency Planning Process,” Conference on Vulnerable Populations: Emergency Preparedness convened by the McCormick Tribune Foundation and the University of Maryland Center for Health and Homeland Security, Washington, DC, November 6, 2007.

Plenary Session, “Community Engagement in Health Emergency Planning,” Annual Conference of the National Public Health Information Coalition, Baltimore, MD, September 24, 2007

“Continuity of Operations during an Influenza Pandemic (panel),” 32nd Annual Hazards Research and Applications Workshop, University of Colorado, Boulder, CO, July 8-11, 2007.

“Civic Engagement and Public Health Emergencies,” Annual Meeting of the National Consortium for the Study of Terrorism and Responses to Terrorism (START), University of Maryland, College Park, MD, June 25-27, 2007.

“Community Engagement: Leadership Tool for Catastrophic Health Events,” 2nd Istanbul Conference on Democracy and Global Security, sponsored by the Turkish Institute for Police

Studies, Turkish National Police, and the Republic of Turkey Ministry of the Interior, Istanbul, Turkey, June 14, 2007.

“The Evolving Citizen Role in Public Safety and Security (panel),” National Watch Groups Summit, sponsored by US Department of Justice, Bureau of Justice Assistance, US Department of Homeland Security, National Citizen Corps Program, and National Crime Prevention Council, Lexington, KY, May 30, 2007.

“Community Engagement as a Pre-Event Disaster Mental Health Intervention,” *Disaster Mental Health in the Wake of Hurricane Katrina*, 22nd Annual Rosalynn Carter Symposium on Mental Health Policy, Carter Center, Atlanta, GA, November 8-9, 2006.

Plenary Address, “Is It Real? Pandemic Flu and Other Unthinkable Disasters,” Maryland Association of Community Services Annual Conference, Hershey, PA, October 5, 2006.

“Citizen Engagement in Community Preparedness,” Annual Meeting of the National Consortium for the Study of Terrorism and Responses to Terrorism (START), University of Maryland, College Park, MD, June 26-28, 2006.

“Scarce Medicine and Tough Choices in a Crisis,” Ethical and Justice Issues Panel, Howard County Pandemic Flu Summit, Columbia, MD, May 16, 2006.

“Public Resilience and Biological Terrorism (panel),” U.S. Military Academy, Department of Social Sciences, Combating Terrorism Center, West Point, NY, May 5, 2006.

“Health Emergencies, Scarce Medicine and Tough Choices,” Partners in Emergency Preparedness Annual Conference, Tacoma, WA, April 18-19, 2006.

“Panic in a Flu Pandemic? – A Primer on Realistic Public Reactions in a Disaster,” Preparedness and Response Seminar, sponsored by the Montgomery County Department of Health and Human Services, Rockville, MD, March 15, 2006.

“Public Response to Extreme Events – Top 5 Disaster Myths,” Resources for the Future, First Wednesday Seminar, Washington, DC, October 5, 2005.

“How to Lead during Bioattacks with the Public’s Trust and Help,” OASIS adult learning program, Gaithersburg, MD, October 3, 2005.

“Outbreak! Legal Issues in Quarantine and Response (panel),” 30th Annual Hazards Research and Applications Workshop, University of Colorado. Boulder, CO, July 12, 2005.

“Risk Communication Leadership Training,” Michigan Department of Community Health, Office of Public Health Preparedness. Lansing, MI, May 19, 2005.

“How to Lead during Bioattacks with the Public’s Trust and Help,” Partners in Emergency Preparedness Conference 2005. Bellevue, WA, April 20, 2005.

“How to Lead during Bioattacks with the Public’s Trust and Help,” University of Pittsburgh Bioterrorism Lecture Series. Pittsburgh, PA, March 21, 2005.

“Is the Homeland Prepared? Coordinating Scientific and Public Policy Response to Bioterrorism (panel),” Health and Security Policy Briefing Series, University of Chicago Harris School of Public Policy Studies. Chicago, IL, February 23, 2005.

“How to Lead during Public Health Emergencies with the People’s Trust and Help,” Northeast Regional Public Health Leadership Institute. Whispering Pines Conference, Providence, RI, October 19, 2004.

“Public Health, Bioterrorism and National Security (panel),” 29th Annual Hazards Research and Applications Workshop, University of Colorado. Boulder, CO, July 13, 2004.

“Public Communication Strategies to Remedy Panic in a Pandemic,” Institute of Medicine Forum on Microbial Threats: Pandemic Influenza – Assessing Capabilities for Prevention and Response, Washington, DC, June 16-17, 2004.

“A Troubleshooting Guide for Leaders in the Aftermath of Bioterrorism: Working Group Recommendations,” with the panel on Stress, Terror and Communications. *BioSecurity 2003*. Washington, DC, October 22, 2003.

“A Troubleshooting Guide for Leaders in the Aftermath of Bioterrorism: Working Group Recommendations,” Annual Conference of the National Public Health Information Coalition. San Francisco, CA, October 7, 2003.

“A Troubleshooting Guide for Leaders in the Aftermath of Bioterrorism: Working Group Recommendations,” Charles County Health Department Workshop on Public Health Preparedness. La Plata, MD, September 30, 2003.

“Managing Fear and Anxiety in the Future: Challenges for Emergency Managers (panel),” 28th Annual Hazards Research and Applications Workshop, University of Colorado. Boulder, CO, July 14, 2003

“Terrorism’s Impact on the Public; Homeland Terrorism: A Primer for First-Responder Journalists (panel),” USC Annenberg School for Communication, Western Knight Center for Specialized Journalism. Los Angeles, CA, June 26, 2003.

“How to Vaccinate the Public against Panic,” *Code Yellow, Code Orange, Code Red: How will we respond?*, Conference sponsored by the D.C. Department of Mental Health and Center for the Study of Traumatic Stress, Uniformed Services University of the Health Sciences. Washington, DC, March 22, 2003.

“The People Talk Back: Public Communications Lessons from Anthrax 2001,” *The Public as an Asset, Not a Problem: A Summit on Leadership during Bioterrorism*, convened by the Johns Hopkins Center for Biodefense Strategies. Washington, DC, February 3-4, 2003.

“Covering Permanent War and Bioterrorism – The Press and Public Policy (panel),” The Knight- Wallace Fellows Program, University of Michigan. Ann Arbor, MI, January 27, 2003.

Keynote, “Citizen Preparedness for Bioterrorism: Strategic Considerations,” Workshop on Community Response to Catastrophic Events, Syracuse University, Syracuse University Interdisciplinary Committee on Community Response to Catastrophic Events. Syracuse, NY, November 12, 2002.

Public Lecture, “The People’s Role in Biodefense: An Asset or ‘The Problem,’?” sponsored by Syracuse University Campbell Public Affairs Institute, College of Human Services and Health Professions, Program for Analysis and Resolution of Conflicts, Newhouse School of Public Communications, Hendricks Chapel, University College. Syracuse, NY, November 11, 2002.

“Bioterrorism, Public Health and Special Populations,” with the 3rd Annual Age Boom Academy, International Longevity Center-USA in collaboration with the New York Times Company Foundation. New York, NY, November 7, 2002.

Discussant, Institute of Medicine Workshop, *The Psychological Consequences of Terrorism and Systems for Response*, Washington, DC, October 7, 2002.

“The Public as a Partner in Bioterrorism Response: Communications Advice for Decision-Makers,” with the *Building the Foundation for a Safer and Healthier Tomorrow: A Conference Focusing on Defending against Bioterrorism*, Tennessee Public Health Association. Franklin, TN, September 19, 2002

“Bioterrorism, Medicine and Networks,” with the *Homeland Security Forum on Self-Organizing Information Networks*, The Highlands Group. St. Michael’s, MD, August 25-27, 2002.

“Protecting the Homeland: A Multi-faceted Response to Bioterrorism (panel),” 2002 National Youth Leadership Forum on Medicine. Washington, DC, July 24, 2002.

“People’s Role in Biodefense” and “Implications of Pandemic Influenza for Bioterrorism Response,” at the Tennessee Department of Health Statewide Bioterrorism Epidemiology Training. Nashville, TN, May 13-14, 2002.

Keynote, “People’s Role in Biodefense,” at the Maryland Conference on Safety, Health and the Environment. Baltimore, MD, April 24, 2002.

“People’s Role in Biodefense,” Luncheon Talk Series of the JHU Faculty and Staff Retirees Association. Baltimore, MD, March 20, 2002.

“Bioterrorism: National Security Threat, Public Health Emergency,” at the Semi-annual Meeting of the Washington DC Bryn Mawr College Alumnae Club. Washington, DC, January 27, 2002.

“People’s Role in Biodefense,” at the Lunch Talk Series of the Johns Hopkins Center for Civilian Biodefense Studies. Baltimore, MD, December 17, 2001.

“Bioterrorism: National Security Threat, Public Health Emergency,” at the Editorial Writers Seminar on *Fighting Terrorism*, sponsored by the Knight Center for Specialized Journalism, University of Maryland, Adelphi, MD, December 5-7, 2001.

“Meeting the Public Health Challenge (panel),” at the *Baltimore Anti-Terrorism Summit* convened by Congressman Elijah E. Cummings. Baltimore, MD, November 19, 2001.

“Decision-Making in Terrorist Attacks and Response (panel),” at the *Rebuilding New York* conference convened by former Secretary Andrew Cuomo. New York, NY, November 16, 2001.

“Epidemics: The People’s Role in Biodefense,” the very first presentation in the *Crossroads Series – Historical Perspectives on Topics Related to September 11*, sponsored by the Smithsonian’s National Museum of American History, Washington, DC, November 14, 2001.

“Public Health Preparedness for Epidemics, by Design or in Nature,” at the Northeast Regional Public Health Leadership Institute. Providence, RI, November 5-7, 2001.

“Bioterrorism: Public Health Emergency and National Security Threat,” at the 2nd Annual Decontamination/WMD Symposium. Rockville, MD, September 27, 2001.

“Observations from Operation TOPOFF,” at CDC-convened meeting, *State and Local Public Health System Capacities for Bioterrorism Preparedness and Response*. Kansas City, MO, June 6-8, 2001.

“Bioterrorism and Human-Made Plagues,” with the National Science Foundation Institutional Reform Seminar Series on Plague, Prince George’s Community College, Department of Biology, December 8, 1999.

“Bioterrorism: The Threat of an Intentional Epidemic,” at the annual conference of the National Public Health Information Coalition. San Diego, CA, October 26, 1999.

c. Policy Briefings to Government Officials (Domestic and International):

Kathryn Brinsfield, Director, Medical Preparedness Policy, White House National Security Staff, and members of the HPR sub-IPC. Washington, DC, December 6, 2012: “‘If You Build It, Will They Come?’: Population Behavior and Alternate Triage Sites in a Catastrophic Health Event”

Nicole Lurie, Assistant Secretary for Preparedness and Response, Department of Health and Human Services. Washington, DC, September 14, 2012: “Disaster Resilience: A National Imperative”

Brian Kamoie, Senior Director for Preparedness Policy, White House National Security Staff. Washington, DC, July 31, 2012: “Disaster Resilience: A National Imperative”

Ashely Stover Tokic, Staffer to Senator Bob Casey and the US Congress Joint Economic Committee: Washington, DC, November 14, 2011: “How to Advance Community Preparedness for Nuclear Terrorism and Save Lives: Recommendations to Congress”

Congressional Seminar Series on Biological and Nuclear Security, co-hosted by the Senate Caucus on WMD Terrorism and the Center for Biosecurity of UPMC, Washington, DC, October 17, 2011: “Checklist of Actions Cities Can Take that Could Save the Most Lives following a Nuclear Detonation”

Natasha Manji, Senior Communications Advisor, Communications Directorate, Public Health Agency of Canada. Baltimore, MD, May 15, 2008: “Community Engagement in Health Emergency Planning”

Congressional briefing sponsored by Senator Mary Landrieu and Congressman Patrick Kennedy. Washington, DC, September 19, 2007: “Rational Homeland Security: Lowering Obstacles and Creating Economic & Socially Sensible Policies”

Russian Pandemic Preparedness Delegation sponsored by the Library of Congress’ Open World Leadership Center; Center for Biosecurity, Baltimore, MD, March 15, 2007

Steve Kuo, Director of the Taiwanese Center for Disease Control; Officials from the Taiwanese Department of Health and the Medical Affairs Bureau of the Taiwanese Ministry of National Defense. Baltimore, MD, June 14, 2006: "Citizen Engagement in Health Emergency Planning"

U.S. House Committee on Science, Congressional Briefing on Gaps in the National Flu Preparedness Plan – Social Science Planning and Response. Washington, DC, December 14, 2005: "Realistic Expectations about Public Responses to Pandemic Flu"

Congressman Patrick J. Kennedy and Rhode Island Delegation. Briefing on Pandemic Influenza convened by the National Academies of Science/Institute of Medicine. Washington, DC, December 6, 2005: "How to Vaccinate the Public against Panic during Pandemic Influenza"

Congressman Patrick J. Kennedy, Sponsor of the "Ready, Willing and Able Act of 2005." Washington, DC, July 26, 2005: "The People's Role in Biodefense"

State Directors of Homeland Security, Executive Workshop convened by the National Governors Association Center for Best Practices and the Department of Homeland Security Office for Domestic Preparedness, Portland, OR, September 22-23, 2004: "Crisis Communication"

Western Hemisphere Regional Project, Anti-Terrorism and International Crime, Office of International Visitors, Bureau of Educational and Cultural Affairs, U.S. Department of State. Officials from Argentina, Colombia, Dominican Republic, Ecuador, Guatemala, Panama, Paraguay, Peru, Uruguay, Venezuela. Baltimore, MD, January 17, 2003: "Bioterrorism: Public Health Emergency and National Security Threat."

National Human Research Protections Advisory Committee (NHRPAC), Department of Health and Human Services, Washington, DC, April 30, 2002: "Conduct of Research in the Aftermath of Bioterrorism"

Amanda Cliff, Director General for Strategic Policy, Population and Public Health Branch, Health Canada; Ann Marie Hume, Senior Policy Analyst on Bioterrorism and Emergency Preparedness, Population and Public Health Branch, Health Canada. Baltimore, MD, March 12, 2002: "People's Role in Biodefense"

U.S. Attorney General Janet Reno; Secretary of Health Donna Shalala, Washington, DC, May 12, 2000. Briefing on Bioterrorism and Presentation of Bioterrorist Scenario

Influenza Planning Committee, Maryland Department of Health/Mental Hygiene, Baltimore, MD, April 26, 1999: "The 1918 Influenza Epidemic in Baltimore City: Lessons Learned"

3. Consultancies:

NA

4. Workshops:

Identifying Disaster Medical and Public Health Research Priorities: Data Needs Arising in Response to Hurricane Sandy, convened by the Institute of Medicine and the New York Academy of Medicine on behalf of the HHS Office of the Assistant Secretary of Preparedness and Response, New York, NY, November 16, 2012

Social Dimensions of Disaster Assistance, convened by George Washington University's Elliott School of International Affairs, Washington, DC, June 5-6, 2011

Community Resilience, convened by the Community Resilience Strategy Initiative and the Community and Regional Resilience Institute, Atlanta, GA, June 7-8, 2010

H1N1 Colloquium, convened by the Fritz Institute, August 26, 2009

Resilience Research, convened by the Community and Regional Resilience Institute (CARRI) and the Natural Hazards Center of the University of Colorado at Boulder, Broomfield, CO, July 14, 2009

The Ogma Workshop: Exploring the Policy & Strategy Implications of Web 2.0 on the Practice of Homeland Security, convened by DHS and the Naval Postgraduate School Center for Homeland Defense and Security, Monterey, CA, June 30-July 1, 2009

Community Resilience, convened by DHS Science & Technology Directorate, Arlington, VA, June 30-July 1, 2008

STOP AI Pandemic, convened by USAID, Arlington, VA, May 27, 2008

Health and Democracy, convened by the Kettering Foundation, Dayton, OH, May 22-23, 2008

Public Resilience in CBRN Events, convened by the Defense Threat Reduction Agency and the USAF Counter-Proliferation Center, Washington, DC, February 21, 2008

Research Priorities in Emergency Preparedness and Response for Public Health Systems, Institute of Medicine, Washington, DC, December 18-20, 2007

Law Enforcement and Public Health Advisory Panel, *Risk Communications, Pandemic Flu Planning and Occupational Health*, Police Executive Research Forum, Washington, DC, December 12, 2007

Vulnerable Populations: Emergency Preparedness, convened by the McCormick Tribune Foundation and the University of Maryland Center for Health and Homeland Security, Washington, DC, November 5-7, 2007

State Open Government Law and Practice in a Post-9/11 World, a research initiative of The Center for Terrorism Law, St. Mary's University School of Law, San Antonio, TX, May to November, 2007

Emergency Volunteer Liability Protection, convened by the American Red Cross, American Medical Association, American Nurses Association, and University of North Carolina School of Public Health, Washington, DC, May 8, 2007

Reassessing Disaster Preparedness and Response: Hidden Assumptions, Unintended Consequences. Institute for Global Security, Law and Policy and the Law-Medicine Center at Case Western University, Cleveland, OH, November 2, 2006

News and Terrorism: Communicating in a Crisis. The National Academy of Engineering, the Radio Television News Directors Association/Foundation and the US Department of Homeland Security, Washington, DC, January 24, 2006

Emergency Planning, Mental Health and Catastrophic Events: A Joint UK-USA Conference, convened by the UK Cabinet Office Emergency Planning College, British Consulate New York, and Northern Ireland Centre for Trauma & Transformation, North Yorkshire, England, September 12-15, 2005

Citizens' Information Needs in Responding to Disaster, Computer Science and Telecommunications Board of the NAS/National Research Council, Washington, DC, July 19, 2005

Wide-Area Biological Restoration, Homeland Security Institute, Arlington, VA, February 8-9, 2005

Development of Protocols for the Restoration of Large-Scale Bio-Contaminated Urban Areas, Technical Support Working Group for the Department of Homeland Security, Battelle Eastern Science and Technology Center, Aberdeen, MD, December 8-9, 2004

Expert Panel on the Interface Between Public and Mental Health Following Disasters and Terrorism, CDC, the Carter Center, the National Center for Child Traumatic Stress, and the National Center for Post-Traumatic Stress Disorder, Atlanta, GA, August 30-31, 2004

Developing Community Resilience for Children and Families, University of Oklahoma Health Sciences Center, CDC, National Center for Injury Prevention and Control, and the National Center for Child Traumatic Stress, Terrorism and Disaster Branch, Oklahoma City, OK, March 24-25, 2004

Psychological Effects of Terrorist Attacks on the Homeland, Defense Threat Reduction Agency project, Homeland Defense 2008 and Beyond. Washington, DC, March 18, 2004

Working Group on Modeling Social Responses to Bioterrorism Involving Infectious Agents, Rutgers University Center for Discrete Mathematics & Theoretical Computer Science, May 2003

Symposium on Bioterrorism, Public Health and Privacy, Georgetown University Health Privacy Project and the Johns Hopkins School of Public Health. Washington, DC, January 29, 2000.

5. Other Works not in Print:

a. Works “submitted” or “under review”

Toner E, Ravi S, Adalja A, Waldhorn R, McGinty M, **Schoch-Spana M**. “Doing Good by Playing Well with Others: Exploring Local Collaboration for Emergency Preparedness and Response.” *Health Security* [under review]

Schoch-Spana M. “Commentary: Public Engagement and Governance of Gain-of-Function Research.” *Health Security* [submitted]

b. Works “in progress”

Schoch-Spana M. “Mass Population Displacement as a Problem for Recovery Following Nuclear Terrorism.”

c. Other works not in print

NA

6. Conference Program and Project Development:

Steering Committee, Community Values and the Allocation of Scarce Resources in Disasters: A Public Engagement Project, a collaboration among the Johns Hopkins Hospital Office of Emergency Management, Johns Hopkins Berman Institute of Bioethics, Program on Ethics and Decision Making in Critical Illness of the University of Pittsburgh, and UPMC Center for Health Security, 2011-pres

Co-Chair, "Health within Disaster Risk Reduction (Panel)," International Disaster and Risk Conference, Global Risk Forum Davos, Switzerland, August 30, 2012

Co-Chair, "Environmental Changes and Health Implications (Panel)," International Disaster and Risk Conference, Global Risk Forum, Davos, Switzerland, August 28, 2012

Co-Chair and Co-Organizer, Setting the Standards: Training Curriculum for Local Officials on Communicating with the Public about Homeland Security Threats, invitational workshop convened by START – National Consortium for the Study of Terrorism and Responses to Terrorism, Atlanta, GA, February 6-7, 2012

Co-Organizer, "US Preparedness for a Nuclear Detonation," Congressional Seminar Series on Biological and Nuclear Security, co-hosted by the Center for Biosecurity of UPMC and Senate Caucus on WMD Terrorism, Washington, DC, October 17, 2011

Principal Organizer, Rad Resilient City Initiative to Prepare Cities to Save Lives Following Nuclear Terrorism, National Press Club, Washington, DC, September 27, 2011

Chair and Principal Organizer, Nuclear Resilience Expert Advisory Group, in support of the Rad Resilient City Initiative, Center for Biosecurity of UPMC, Baltimore, MD, 2011

Co-Organizer, Advancing US Resilience to Nuclear Catastrophe, an invitational conference convened by the Center for Biosecurity of UPMC, Washington, DC, May 19, 2011

Co-Organizer, Preparing to Save Lives and Recover after a Nuclear Detonation: Implications for U.S. Policy, an invitational conference convened by the Center for Biosecurity of UPMC, Washington, DC, April 29, 2010

Principal Organizer, Resilient American Communities: Progress in Policy and Practice, an invitational conference convened by the Center for Biosecurity of UPMC, Washington, DC, December 10, 2009

Principal Organizer, "Professional Ethics and the Security Sector: A Dialogue with the Larger Anthropological Community," Public Policy Forum at the 2009 Annual Meetings of the American Anthropological Association, San Francisco, CA, December 6, 2009

Chair and Principal Organizer, Resilience Research Workgroup convened by the Center for Biosecurity of UPMC, October 2009 to February 2010

Chair and Principal Organizer, Invitational Roundtable on Community Resilience and HSPD-21 Implementation, Center for Biosecurity of UPMC, April 23, 2008

Chair, Working Group on Citizen Engagement in Health Emergency Planning, Center for Biosecurity of UPMC and the National Consortium for the Study of Terrorism and Responses to Terrorism (START), May 2006 to January 2007

Program Chair, Disasters Roundtable 18: Citizen Engagement in Emergency Planning for a Flu Pandemic, National Academies, Washington, DC, October 23, 2006

Moderator, "Cornerstones of Revitalization: Building Resilient Individuals and Communities (panel)," Rebuilding for Health, Sustainability and Disaster Preparedness in the Gulf Coast Region, Convened by the National Academies and the Tulane University School of Public Health and Tropical Medicine, New Orleans, LA, June 1-2, 2006

Chair and Principal Organizer, Disease, Disaster, & Democracy: The Public's Stake in Health Emergency Planning, A US-Canada Summit, Washington, DC, May 23, 2006

Moderator and Planning Committee, Pandemic Influenza Tabletop Exercise, University of the Incarnate Word, San Antonio, TX, May 19, 2006

Chair, Working Group on 'Governance Dilemmas' in Bioterrorism Response, UPMC Biosecurity Center and the Johns Hopkins Biodefense Center, February 2003-2004

Chair and Principal Organizer, The Public as an Asset, Not a Problem: A Summit on Leadership during Bioterrorism, Johns Hopkins Civilian Biodefense Center, Washington, DC, February 3-4, 2003

John Hopkins University Working Group on Civilian Biodefense, 1999-2003

Workshop Leader, "Bioterrorism: Fears, Facts and Preventative Measures," with the American Psychiatric Association convened conference, Disaster, Terror and Trauma in the Workplace: What We Knew Before 9/11 and What We Have Learned Since. Washington, DC, April 25, 2002
Planning Committee, Scientific Session, 2002 Annual Meeting of the World Medical Association

Chair and Principal Organizer, "Defending the Nation?: Ethics and Anthropology after 9/11," Invited Session at the 2002 Annual Meetings of the American Anthropological Association, New Orleans, LA, November 20-24, 2002

Chair and Principal Organizer, A Plagued Future?: Emerging Diseases, Bioweapons and Other Anticipated Microbial Horrors, Executive Session at the 2002 Annual Meetings of the American Anthropological Association, New Orleans, LA, November 20-24, 2002

Program Planning Committee, Smallpox Vaccination and Disease Containment Strategies Meeting, Johns Hopkins Civilian Biodefense Center, Alexandria, VA, July 24, 2002

Co-Organizer, National Symposia on Medical and Public Health Response to Bioterrorism (2000, 1999); Co-sponsors: Johns Hopkins Civilian Biodefense Center, Department of Health and Human Services, Infectious Diseases Society of America

Program Planning Committee, Hospital Response to Bioterrorism (October 23-24, 2000); Co-sponsors: Johns Hopkins Civilian Biodefense Center, Office of Emergency Preparedness (DHHS), American Hospital Association

Program Planning Committee, Psychological Aspects of Biological Attacks on the American Homeland, October 12, 2000; Co-sponsors: Johns Hopkins Civilian Biodefense Studies, ANSER Homeland Defense, American War College

C. Grants and Contracts

1. Funded External Grants and Contracts:

a. Grant Participation as Principal Investigator:

Grant Number	Grant Title	Years	Source	Amount
HHSF223201400018C	Ensuring Appropriate Public Use of Medical Countermeasures Through Effective Emergency Communication	2014-16	FDA	\$495,145
TBD	Measuring and Motivating Health Department Excellence at Community Engagement in Preparedness	2014-16	de Beaumont Foundation	\$157,200
200-2014-59141	A Community Checklist for Health Sector Resilience Informed by Actual Disasters (Co-PI)	2014-16	CDC	\$255,627
HSHQDC-12-C-00005 Project #74-3	Mass Population Displacement after Nuclear Terrorism: How to Hasten & Strengthen the Recovery of	2013	FEMA; Gryphon Scientific	\$20,000

2008-ST-061-ST0004	Uprooted Communities Organizational Factors in the Successful Application of Community Engagement Principles for Bioterrorism Preparedness	2008-11	DHS START	\$87,500
2008-TH-T8-006	Fostering Public Engagement in Planning for Catastrophic Events	2009-10	DHS START and FEMA	\$200,000
N00140510629	Best Practices for Preparing Communities: Citizen Engagement in Public Health Emergency Planning	2005-08	DHS START	\$305,430
MIPT-2002J-A-019	Vaccinating the Public against Panic: Epidemic Communications Advice for Decision-Makers During Bioterrorism Response	2002-04	Oklahoma City Memorial Institute for Prevention of Terrorism; DHS	\$835,129

b. Grant Participation as Investigator or Professional Staff:

Grant Number	Grant Title	Years	Source	Amount
1U38CE002353-01	Making Disasters Less Disastrous: Public Health, Healthcare Executives and Emergency Management Working Together	2013-14	CDC NCIPC	\$200,000
2008-12-12	Renew support for the Center for Biosecurity of UPMC	2009-12	Alfred P. Sloan Foundation	\$750,000
2006-12-28	Renew support for the Center for Biosecurity of UPMC	2007-08	Alfred P. Sloan Foundation	\$3 million
2004-6-13	Renew support for the Center for Biosecurity of UPMC	2004-06	Alfred P. Sloan Foundation	\$2 million
2000-10-7	Biological Weapons: National Security Crisis, Public Health Emergency	2000-05	Alfred P. Sloan Foundation	\$3.5 million
H90/CCH321833-01-1 (JHU) to H90/CCH323957-01 (UPMC)	JHU Center for Civilian Biodefense Studies	2002-04	CDC	\$988,987

c. Grant Other:

In 1999-2002, Schoch-Spana served as professional staff for the Johns Hopkins Center for Civilian Biosecurity Studies that was supported through a series of CDC cooperative agreements and a grant from the Robert Wood Johnson Foundation.

In 1989-1997, Schoch-Spana served as an ethnographic consultant on 3 different projects funded by NIH, HRSA, and the Spencer Foundation: 2 with a focus on HIV/AIDS-related lay beliefs and practices, and 1 with a focus on confidentiality and medical insurance.

During graduate training in the 1990's, Schoch-Spana received a series of grants to support her research:

- Center for the History of Business, Technology, and Society Grant Hagley Museum and Library, Wilmington, DE 1996
- Doctoral Dissertation Improvement Grant National Science Foundation 1994-96
- Summer Research Travel Grant Johns Hopkins University Program in Atlantic History, Culture and Society 1989
- Lita Osmundsen Summer Fieldwork Fund Grant Johns Hopkins University Department of Anthropology 1989

2. Submitted, but not Funded, External Grants and Contracts:

NA

3. Funded Internal Grants and Contracts:

NA

4. Submitted, but not Funded, Internal Grants and Contracts:

NA

D. Fellowships, Awards, Honors:

Department of Anthropology Fellowship Award , School of Arts and Sciences, Johns Hopkins University 1995-1996;1989-1991

Graduated magna cum laude, with Honors in Anthropology, Bryn Mawr College, Bryn Mawr, PA, 1986

IV. SERVICE

A. Institutional

1. University:

NA

2. College:

NA

3. Department/School:

Search Committee, Forensic Anthropology, Department of Anthropology, Texas State University

B. Professional:

Editorial Board Membership:

Associate Editor, *Health Security* (formerly *Biosecurity and Bioterrorism*), January 2015-present

Associate Editor, *Biosecurity and Bioterrorism: Biodefense Strategy, Practice and Science*, October 2002 to 2014

Guest Editorial Board Member, *Health Promotion Practice*, Special issue on "Crisis and Emergency Risk Communication for Pandemic Influenza," Winter 2007-2008

Managing Editor, *Biodefense Quarterly*, Johns Hopkins Center for Civilian Biodefense Studies, June 1999 to March 2001

Peer Review of Journal Articles:

- Social Science Journals
 - Cultural Anthropology
 - Current Anthropology
 - Medical Anthropology
 - Human Organization
 - Anthropology Today
 - Anthropology Now

- Journal of Management Inquiry
- Comparative Studies in Society and History
- Social Science Quarterly
- Historical Geography
- Feminist Studies
- Risk Analysis

- Interdisciplinary Disaster Studies Journals
 - Disasters
 - International Journal of Mass Emergencies and Disasters
 - Natural Hazards Review
 - Earthquake Spectra
 - Disaster Medicine and Public Health Preparedness
 - Prehospital and Disaster Medicine
 - Journal of Homeland Security and Emergency Management

- Medicine and Public Health Journals
 - American Journal of Public Health
 - Public Health Reports
 - Perspectives in Public Health
 - Journal of Law, Medicine & Ethics
 - Clinical Infectious Diseases
 - Health Promotion Practice
 - Journal of Clinical Ethics
 - Biological Research for Nursing
 - BMC Public Health
 - Health and Quality of Life Outcomes

Peer Review of Book Manuscripts:

- Cambridge University Press
- Johns Hopkins University Press
- University of Chicago Press
- Natural Hazards Center at the University of Colorado at Boulder
- University of Michigan Press
- Stanford University Press
- Left Coast Press

Peer Review of Research Proposals:

National Science Foundation Review Panel, 2013, 2010, 2007; ad hoc review 2013, 2012

Alfred P. Sloan Foundation, 2008, 2004, 2003, 2002

Public Entity Risk Foundation, PERISHIP, Dissertation Fellowship Awards in Hazards, Risks, and Disasters, 2008

Research Fund for the Control of Infectious Diseases, Government of the Hong Kong Special Administrative Region, The People's Republic of China, 2006

Education Foundation of America, 2003

National Academy of Sciences Report Review:

Institute of Medicine Forum on Medical and Public Health Preparedness for Catastrophic Events, Nationwide Response Issues After an Improvised Nuclear Device Attack: Medical and Public Health Considerations for Neighboring Jurisdictions: Workshop Summary, Washington, DC, 2013

Institute of Medicine Committee on Implementation of Antiviral Medication Strategies for an Influenza Pandemic, Antivirals for Pandemic Influenza: Guidance on Developing a Distribution and Dispensing Program, Washington, DC, 2008

Institute of Medicine Committee on Responding to the Psychological Consequences of Terrorism, Preparing for the Psychological Consequences of Terrorism: A Public Health Strategy, Washington, DC, 2003

National and Professional Advisory Panels:

Homeland Security Subcommittee, Board of Scientific Counselors, US Environmental Protection Agency, September 2014 to pres

Roundtable on Risk, Resilience, and Extreme Events, National Research Council, January 2014-pres

Executive Steering Committee, National Consortium for the Study of Terrorism and Responses to Terrorism (START), a DHS University Center of Excellence, June 2008-pres

Steering Committee, Disaster Roundtable, National Research Council, September 2005-pres

Stakeholder Panel convened by the US Agency for Toxic Substances and Disease Registry (ATSDR) to help review its community outreach and involvement activities, November 2014

Community Health Resilience Working Group, National Biodefense Science Board, U.S. Department of Health and Human Services, 2013-2014

Community Mobilization Process Team, Disaster Cycle Services, American Red Cross, 2013-2014

Community Preparedness, Recovery, and Resilience Workgroup, 2014 National Health Security Strategy (NHSS), RAND Corporation and U.S. Department of Health and Human Services, Office of the Assistant Secretary for Preparedness and Response, 2013-2014

National Research Council Committee on Increasing National Resilience to Hazards and Disasters, September 2010 to December 2012

Recovery Working Group, National Improvised Nuclear Device Response and Recovery Forum, convened by FEMA, Washington, DC, May 15-17, 2012

Institute of Medicine (IOM) Standing Committee on Health Threat Resilience, January 2009 to December 2011

Working Group of Subject Matter Experts on Community Resilience, Community Resilience Strategy Initiative (CRSI) and the Community and Regional Resilience Institute (CARRI), June 2010 to June 2011

Technical Working Group on Community Preparedness, Federal Emergency Management Agency, July to October 2009

National Research Council Committee to Review the Department of Homeland Security's Approach to Risk Analysis, November 2008 to December 2009

National Research Council Committee on Applications of Social Network Analysis for Building Community Disaster Resilience: A Workshop, December 2008 to June 2009

Community Engagement Work Group, "At Risk Populations Project" of the Association of State and Territorial Health Officials, January to April 2008

Screening Committee, 2007 & 2006 Science Journalism Awards of the American Association for the Advancement of Science, Washington, DC, September 2007; September 2006

Preparedness Advisory Board to the Trust for America's Health (TFAH) report *Ready or Not? 2005: Protecting the Public's Health from Disease, Disasters and Bioterrorism*, August to December 2005

National Research Council Committee on “Standards and Policies for Decontaminating Public Facilities Affected by Exposure to Harmful Biological Agents: How Clean is Safe?” October 2003 to April 2005.

Preparedness Advisory Board to the Trust for America’s Health (TFAH) report *Ready or Not? 2004: Protecting the Public’s Health in the Age of Bioterrorism*, June to December 2004

National Research Council Committee on “Educational Paradigms for Homeland Security,” March 2004 to September 2004

Chairman, Ad Hoc Selection Committee, AAAS/NTI Fellows in Global Security Fellowship Program 2005-06; Committee Member 2004-05, 2003-04, 2002-03

National Risk Communication Practice Advisory Council, Seattle and King County Public Health Advanced Practice Center, July 2004 to June 2005

Bioterrorism Positioning Committee, National Academy of Public Administration, March 2004 to May 2004

Panel at the National Academies to Review GAO’s Preliminary Findings for its Technology Assessment of Cybersecurity Technologies for Critical Infrastructure Protections, Washington, DC, October 1-2, 2003

Technical Advisor, Ad Council National Campaign on Emergency Preparedness in collaboration with Alfred P. Sloan Foundation and Department of Homeland Security, October 2002–March 2003

Contemporary Human Subjects Subcommittee, U.S. Presidential Advisory Committee on Human Radiation Experiments, Washington, DC, March to May, 1995

Membership in Professional Organizations

American Anthropological Association 1995-present
American Ethnological Society 1995-present
Society for Medical Anthropology 1995-present
Society for the Social Studies of Science 1997-present
Society for Applied Anthropology 2007-present
Association for the Anthropology of Policy 2012-present

Leadership Roles in the American Anthropological Association

Member, Ad Hoc Commission on the Engagement of Anthropology with the US Security and Intelligence Communities 2008-2010

Co-Chair, Committee on Public Policy 2010

Member, Committee on Public Policy 2008-2009

Member, Executive Program Planning Committee, 2002 Annual Meetings 2002

C. Community:

NA

D. Service Honors and Awards:

NA

E. Service Grants and Contracts

1. Funded External Service Grants and Contracts:

NA

2. Submitted, but not Funded, External Service Grants and Contracts:

NA

3. Funded Internal Service Grants and Contracts:

NA

4. Submitted, but not Funded, Internal Service Grants and Contracts:

NA

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