

## CURRICULUM VITAE

*MONICA SCHOCH-SPANNA, PHD, CPH*

### PERSONAL DATA

Professor of Community Health  
Department of Health and Behavioral Sciences  
College of Arts and Sciences  
Texas A&M University – San Antonio  
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### EDUCATION AND TRAINING

A.B./1986	Bryn Mawr College, Bryn Mawr, PA – Cultural Anthropology
M.A./1992	Johns Hopkins University, Baltimore, MD – Cultural Anthropology
Ph.D./1998	Johns Hopkins University, Baltimore, MD – Cultural Anthropology Dissertation: “Reactor Control and Environmental Management: A Cultural History of Agency in the U.S. Nuclear Weapons Complex”
C.P.H./2023	National Board of Public Health Examiners, Washington, DC – Certified in Public Health

### PROFESSIONAL EXPERIENCE

#### *Academic*

*Professor of Community Health*, Oct 2024 to present, Department of Health and Behavioral Sciences, College of Arts and Sciences Texas A&M University-San Antonio

Principal responsibilities: Direct the university’s new bachelor of science in community health program, laying the foundation for a future 3-2 masters of public health program in coordination with the School of Public Health at Texas A&M University – College Station.

*Research Professor*, Oct 2023 to Oct 2024, Department of Environmental Health and Engineering, Bloomberg School of Public Health, Johns Hopkins University

*Senior Scholar*, Jan 2017 to Oct 2024, Johns Hopkins Center for Health Security (formerly the UPMC Center for Health Security)

Principal responsibilities: Provide independent research, analysis, and nonpartisan recommendations on mitigating health impacts of disasters and epidemics; lead and collaborate on interdisciplinary Center projects, applying social and behavioral science expertise; inform local, state, and national responses to COVID-19 pandemic including on issues of vaccine confidence, vaccine allocation and distribution, crisis standards of care, business and school re-openings, mental health impacts, and comprehensive, whole-person recovery; advise national and local leaders on how to strengthen community resilience to disasters, including through measures to drive strategy and planning; build conceptual model and evidence base for health sector resilience and identify policies to strengthen it in dynamic health care arena; expand evidence base on community engagement and show applications to specific issues (e.g., Gain-of-Function oversight, scarce resource allocation); develop evidence-informed guidance on crisis and emergency risk communication for emerging threats (e.g., Zika, Ebola, COVID-19); advise master's and doctorate-level students, oversee practicum/capstones, serve on doctoral committees, teach a course on sociocultural dimensions of health disasters and provide guest lectures in graduate-level courses.

*Senior Scientist*, Jan 2017 to Oct 2023, Department of Environmental Health and Engineering, Bloomberg School of Public Health, Johns Hopkins University

*Senior Associate*, Nov 2003 to Jan 2017, UPMC Center for Health Security, University of Pittsburgh Medical Center

Principal responsibilities: Conduct independent research and policy analysis, and develop recommendations for decision-makers in public health preparedness; build evidence base for cross-sector collaboration and public engagement that can enhance community resilience, healthcare preparedness, and resource allocation decisions; advise FDA on how to enhance emergency communication regarding medical countermeasures; advance US nuclear incident preparedness through co-organizing 2 national meetings and a Congressional briefing and developing a community checklist for saving lives through reduced exposure to radioactive fallout; provide input to FEMA regarding recovery post-nuclear detonation; inform federal legislation regarding the public's role in disaster planning by advising staffers and providing language; deliver national policy briefings on realistic expectations about public responses to pandemic influenza; author and distribute nationally a practical manual on how to safeguard the public's trust and cooperation during bioterrorism response.

*Associate Professor (tenure track)*, Sept 2014 to Aug 2015, Department of Anthropology, Texas State University

Principal responsibilities: Leverage expertise as an applied medical anthropologist working on health in disasters in the development of a new PhD program in applied anthropology; help prepare application to the Texas Higher Education Coordinating Board for the new PhD program; guide PhD curriculum development by proposing

core capabilities for doctoral students in applied anthropology; draft PhD course on leadership skills for anthropologists; serve as thesis advisor to 4 master's students; teach course on "anthropology of disasters"; develop new graduate level course on "research design in cultural anthropology;" serve on search committee for new forensic anthropologist; oversee a 7-person research team studying medical countermeasure communication dilemmas on behalf of the UPMC Center for Health Security.

*Associate Professor*, July to Aug 2014, Department of Medicine, Division of Infectious Diseases, University of Pittsburgh School of Medicine

*Assistant Professor*, Nov 2003 to Jun 2014, Department of Medicine, Division of Infectious Diseases, University of Pittsburgh School of Medicine

*Senior Fellow*, Jul 2001 to Oct 2003, Center for Civilian Biodefense Strategies, Johns Hopkins University

*Research Associate*, Jul 2001 to Oct 2003, Department of Health Policy and Management, School of Public Health, Johns Hopkins University

*Fellow*, Oct 1999 to June 2001, Center for Civilian Biodefense Strategies, Johns Hopkins University

*Research Associate*, Oct 1999 to Jun 2001, Department of Epidemiology, School of Public Health, Johns Hopkins University

*Project Coordinator*, Sept 1998 to Sept 1999, Center for Civilian Biodefense Strategies, Johns Hopkins University

### **Non-Academic**

*Community Coordinator*, AIDS Legislative Committee, Oct 1995 to July 1996; Aug 1991 to Dec 1992. Baltimore, MD. Non-profit representing AIDS service providers, HIV-positive individuals, and persons with AIDS. Wrote position papers, press releases, letters to legislators, legislative analyses; assisted in organizational planning and fundraising.

## **PROFESSIONAL ACTIVITIES**

### ***Society Membership***

- American Anthropological Association 1995-pres
- Society for Medical Anthropology 1995-pres
- Society for Applied Anthropology 2007-pres
- Association for the Anthropology of Policy 2012-pres

- National Association for the Practice of Anthropology 2016-pres
- American Public Health Association 2022-pres

***Leadership Roles – 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, Annual Meeting Executive Program Planning Committee 2002

***Participation on National and International Advisory Panels and Boards***

- Third Assessment of Natural Hazards in the United States, Natural Hazards Center of the University of Colorado at Boulder, Steering Committee Member, December 2023 to present [**active**]
- Public Health Extreme Events Research Network (PHEER), Initiative of the Centers for Disease Control and Prevention and the National Science Foundation, Executive Board Member, August 2023 to present [**active**]
- The Global Listening Project, International Advisory Board, October 2022 to present [**active**]
- Integrated Bioscience and Built Environment Consortium, Scientific Advisory Board, September 2021 to present [**active**].
- National Academies of Sciences, Engineering and Medicine – Planning Committee, Medical Countermeasures - Expanding Delivery and Increasing Uptake Through Public-Private Partnerships: A Workshop Series, July 2023 to November 2023
- National Academies of Sciences, Engineering and Medicine – Committee on Community Engagement in Southeast Texas: Pilot Project to Enhance Community Capacity and Resilience to Floods, April 2020 to July 2023
- National Academies of Sciences, Engineering and Medicine – Committee to Organize Indoor Air Management of Airborne Pathogens: A Virtual Workshop Series, July 2022 to May 2023
- National Academies of Sciences, Engineering and Medicine – Committee to Organize a Workshop on Building Public Trust in Public Health Emergency Preparedness and Response (PHEPR) Science, December 2021 to May 2022

- US Environmental Protection Agency, Board of Scientific Counselors, Homeland Security Subcommittee, December 2017 to July 2022; prior appointment September 2014 to July 2017
- National Academies of Sciences, Engineering and Medicine – Roundtable on Risk, Resilience, and Extreme Events, January 2014 to December 2020; Co-Chair January 2017 to December 2019
- National Academies of Sciences, Engineering and Medicine – Resilient America Community Partnerships Steering Committee, October 2016 to December 2018
- National Academies of Sciences, Engineering and Medicine – Standing Committee on Medical and Public Health Research During Large-Scale Emergency Events, February 2016 to January 2019
- US Agency for Toxic Substances and Disease Registry (ATSDR), Stakeholder Panel to Review Community Outreach and Involvement, November 2014
- US Department of Health and Human Services, National Biodefense Science Board, Community Health Resilience Working Group, 2013-2014
- US Department of Health and Human Services, Office of the Assistant Secretary for Preparedness and Response – 2014 National Health Security Strategy (NHSS) Community Preparedness, Recovery, and Resilience Workgroup, 2013-2014
- American Red Cross, National Headquarters, Community Mobilization Process Team, Disaster Cycle Services, 2013-2014
- National Academy of Sciences, National Research Council, Disaster Roundtable Steering Committee, September 2005-December 2013
- National Consortium for the Study of Terrorism and Responses to Terrorism (START), a DHS University Center of Excellence, Executive Steering Committee, 2008-2013
- National Academy of Sciences, National Research Council Committee on Increasing National Resilience to Hazards and Disasters, September 2010 to December 2012
- Federal Emergency Management Agency, National Improvised Nuclear Device Response and Recovery Forum, Recovery Working Group, Washington, DC, May 15-17, 2012
- Institute of Medicine (IOM) Standing Committee on Health Threat Resilience, January 2009 to December 2011
- Federal Emergency Management Agency, Technical Working Group on Community Preparedness, July to October 2009

- National Academy of Sciences, National Research Council Committee to Review the Department of Homeland Security's Approach to Risk Analysis, November 2008 to December 2009
- National Academy of Sciences, National Research Council Committee on Applications of Social Network Analysis for Building Community Disaster Resilience: A Workshop, December 2008 to June 2009
- Association of State and Territorial Health Officials, At Risk Populations Project Community Engagement Work Group, January to April 2008
- National Academy of Sciences, 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
- National Academy of Sciences, National Research Council Committee on "Educational Paradigms for Homeland Security," March 2004 to September 2004
- National Risk Communication Practice Advisory Council, Seattle and King County Public Health Advanced Practice Center, July 2004 to June 2005
- National Academy of Public Administration, Bioterrorism Positioning Committee, March 2004 to May 2004
- National Academies Panel to Review GAO's Preliminary Findings for its Technology Assessment of Cybersecurity Technologies for Critical Infrastructure Protections, Washington, DC, October 1-2, 2003
- Ad Council National Campaign on Emergency Preparedness in collaboration with Alfred P. Sloan Foundation and Department of Homeland Security, Technical Advisor, October 2002 to March 2003
- US Presidential Advisory Committee on Human Radiation Experiments, Contemporary Human Subjects Subcommittee, Washington, DC, March to May, 1995

## **EDITORIAL ACTIVITIES**

### ***Peer Review Activities***

#### ***Journal Referee (Social and Behavioral Science)***

- 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
- Disasters
- International Journal of Mass Emergencies and Disasters
- International Journal of Disaster Risk Reduction
- Natural Hazards Review
- Earthquake Spectra
- Journal of Contingencies and Crisis Management
- Journal of International Crisis and Risk Communication Research
- Journal of Community Psychology
- Social Science & Medicine
- Sociological Focus

***Journal Referee (Medicine, Public Health, Homeland Security)***

- American Journal of Public Health
- Public Health Reports
- Perspectives in Public Health
- Disaster Medicine and Public Health Preparedness
- Journal of Law, Medicine & Ethics
- Journal of Homeland Security and Emergency Management
- IRB: Ethics & Human Research
- Clinical Infectious Diseases
- Health Promotion Practice
- Journal of Clinical Ethics
- NEJM
- Biological Research for Nursing
- Prehospital and Disaster Medicine
- BMC Public Health
- Health and Quality of Life Outcomes
- Journal of Public Health Management and Practice
- Emerging Infectious Diseases
- BMJ Open
- International Journal of Health Policy and Management
- Systematic Reviews
- INQUIRY
- BMJ Global Health
- Health and Place
- Health Affairs
- NAM Perspectives
- Vaccine
- Vaccine: X
- Journal of Immigrant and Minority Health
- Global Health Research and Policy
- PLOS ONE
- BMC Health Services Research
- Wellcome Open Research
- BMC Medical Ethics
- International Journal of Emergency Management

***Manuscript Referee***

- Cambridge University Press
- Johns Hopkins University Press
- Left Coast Press
- University of Chicago Press
- Natural Hazards Center at the University of Colorado at Boulder
- University of Michigan Press
- Stanford University Press
- Oxford Research Encyclopedia of Anthropology
- Springer – Public Health
- Routledge Press

***National Academies Report Reviewer***

- National Academies of Sciences, Engineering, and Medicine. *Expanding Delivery and Increasing Uptake of Medical Countermeasures Through Public–Private Partnerships: Proceedings of a Workshop—in Brief*. Washington, DC: The National Academies Press, 2024
- National Academies of Sciences, Engineering, and Medicine. *Promoting Uptake of COVID-19, Influenza, and RSV Vaccines for Fall 2023*. Washington, DC, 2023
- National Academies of Sciences, Engineering, and Medicine. *Reassessment of the Department of Veterans Affairs Airborne Hazards and Open Burn Pit Registry*, Washington, DC, 2022
- National Academy of Medicine, *Emerging Stronger from COVID-19: Priorities for Health System Transformation*, Washington, DC, 2022
- National Academies of Sciences, Engineering, and Medicine, *Rapid Expert Consultation on Allocating COVID-19 Monoclonal Antibody Therapies and Other Novel Therapeutics*, Washington, DC, January 29, 2021
- National Academies of Sciences, Engineering, and Medicine, *Rapid Expert Consultation on Crisis Standards of Care for the COVID-19 Pandemic*, Washington, DC, March 28, 2020
- National Academies of Sciences, Engineering, and Medicine, *Measures of Community Resilience for Local Decision Makers: Proceedings of a Workshop*, Washington, DC, 2017
- Institute of Medicine Forum on Medical and Public Health Preparedness for Catastrophic Events, *Regional Disaster Response Coordination to Support Health Outcomes: Summary of a Workshop Series*, Washington, DC, 2015
- National Research Council Committee on Measures of Community Resilience: From Lessons Learned to Lessons Applied, *Developing a Framework for Measuring Community Resilience: Summary of a Workshop*, Washington, DC, 2015
- 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

### ***Editorial Board Membership***

- Review Editor, *Frontiers in Public Health*, Mar 2023 to present [**active**]
- Guest Editor, *BMC Public Health – Natural Disaster Preparedness and Response Collection*, Jul 2022 to present [**active**]
- Editorial Board Member, *BMC Public Health*, Dec 2020 to present [**active**]
- Editorial Board Member, *Journal of Critical Infrastructure Policy*, Apr 2019 to present [**active**]
- Associate Editor, *Health Security*, Jan 2015 to present [**active**]
- Guest Editor, *International Journal of Environmental Research and Public Health Research*, Special Issue on Community Resilience and Recovery for Public Health Emergencies, Feb 2020 to Dec 2020
- Associate Editor, *Biosecurity and Bioterrorism: Biodefense Strategy, Practice and Science*, Oct 2002 to Dec 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, Jun 1999 to Mar 2001

### ***Commissioned Reviews***

- Policy Brief Reviewer, *Reimagining a 21<sup>st</sup> Century Public Health System* (Workshop Proceedings, June 2022) and *Health Data Sharing and Privacy Standards* (Workshop Proceedings, October 2022), California Council on Science and Technology, 2023
- Quality Assurance Reviewer, *Economic Development and Recovery Plan for Puerto Rico* (Community Planning and Capacity Building Sector) – for Homeland Security Operational Analysis Center, an FFRDC operated by the RAND Corporation under contract with the Department of Homeland Security, 2018

### ***Review of Proposals***

- Ireland Health Research Board, 2023

- European Science Foundation and Research Foundation Flanders, 2023
- The Research Council of Norway, 2022
- National Science Foundation ad hoc review, 2023, 2021, 2015, 2013, 2012
- American Association of Colleges of Nursing, Building COVID-19 Vaccine Confidence Among Nurses and in Communities Initiative, 2021
- National Science Foundation Review Panel, 2019, 2013, 2010, 2007
- National Academies of Science, Engineering and Medicine, Gulf Research Program – Thriving Communities Grants Review Panel, 2019
- National Institutes of Health, National Institute on Minority Health and Health Disparities Review Panel (Chair), 2018
- Alfred P. Sloan Foundation, 2008, 2004, 2003, 2002
- Public Entity Risk Foundation, PERISHIP, Dissertation Fellowship Awards in Hazards, Risks, and Disasters, 2008
- American Association for the Advancement of Science (AAAS), Science Journalism Awards Washington, DC, 2007, 2006
- Research Fund for the Control of Infectious Diseases, Government of the Hong Kong Special Administrative Region, The People’s Republic of China, 2006
- AAAS/NTI Fellows in Global Security Fellowship Program 2005-06 (Chair), 2004-05, 2003-04, 2002-03
- Education Foundation of America, 2003

## HONORS AND AWARDS

Excellence in Teaching – Fourth Term, JHSPH The Sociocultural Dimensions of Disasters School of Public Health, Johns Hopkins University	2023-2024; 2019-2020
Annual AHRE Policy Brief Award Anthropology Responses to Health Emergencies (AHRE) Society for Medical Anthropology	2022
Alpha Chi Favorite Professor Award Texas State University	2015
Women’s Studies Program, Teaching Fellowship Award	1998

School of Arts and Sciences, Johns Hopkins University	
Department of Anthropology, Teaching Fellowship Award School of Arts and Sciences, Johns Hopkins University	1997-1998
Department of Anthropology, Fellowship Award School of Arts and Sciences, Johns Hopkins University	1995-1996; 1989-1991
Graduated <i>magna cum laude</i> , with Honors in Anthropology Bryn Mawr College, Bryn Mawr, PA	1986

## PUBLICATIONS

### *Journal Articles*

1. **Schoch-Spana M.** Applying up: How ethnographers powered public health changes in the United States during the COVID-19 pandemic. *Ann Anthropol Pract.* Available online 27 August 2024. <https://doi.org/10.1111/napa.12224>.
2. Brunson EK, **Schoch-Spana M.** Anthropology at speed, at scale, in action: The CommuniVax example. *Ann Anthropol Pract.* Available online 21 August 2024. <https://doi.org/10.1111/napa.12221>
3. Sobo EJ, Brunson EK, McClure S, Cartwright E, Jordan M, Thomas SB, **Schoch-Spana M.** Adapting rapid ethnographic research in an evolving emergency: Generalizable lessons in resilience. *Ann Anthropol Pract.* Available online 20 August 2024. <https://doi.org/10.1111/napa.12220>
4. Chen Z, Links JM, Igusa T, Slemple C, **Schoch-Spana M**, Burhans RB, Watson CR, Long R, Sell TK. COPEWELL all-hazards resilience model predicts COVID-19 outcomes. *Int J Disaster Risk Reduct.* Available online 27 March 2024. <https://doi.org/10.1016/j.ijdr.2024.104414>
5. **Schoch-Spana M.** Contagion, care, and interdependence in pandemics. *Health Secur.* 2023 Nov-Dec;21(6):431-432. doi: 10.1089/hs.2023.0173
6. Biesiadecki L, Hess B, **Schoch-Spana M.** Reimagining preparedness in the era of COVID-19. *Health Secur.* 2023 Sep; 21(S1):S1-S7. doi: 10.1089/hs.2023.0131. PMID: 37756213.
7. Goniewicz K, Sarker MNI, **Schoch-Spana M.** Reimagining natural hazards and disaster preparedness: charting a new course for the future. *BMC Public Health.* 2023 Mar 28;23(1):581.
8. **Schoch-Spana M**, Ravi SJ, Martin EK. Modeling epidemic recovery: An expert elicitation on issues and approaches. *Soc Sci Med.* 2022;292:114554. doi:10.1016/j.socscimed.2021.114554

9. Hahn RA, **Schoch-Spana M**. Anthropological foundations of public health; the case of COVID 19. *Preventive Medicine Reports*. 2021 June;20:10133. Available online 23 February 2021.
10. Morrow JB, Packman AI, Martinez KF, Van Den Wymelenberg K, Goeres D, Farmer DK, Mitchell J, Ng L, Hazi Y, **Schoch-Spana M**, Quinn S, Bahnfleth W, Olsiewski P. Critical capability needs for reduction of transmission of SARS-CoV-2 indoors. *Frontiers in Bioengineering and Biotechnology*. 2021;9:424. doi: 10.3389/fbioe.2021.641599
11. Sutton J, Rivera Y, Sell TK, Moran MB, Bennett Gayle D, **Schoch-Spana M**, Stern EK, Turetsky D. Longitudinal risk communication: a research agenda for communicating in a pandemic. *Health Security*. 2020 Dec 21. doi: 10.1089/hs.2020.0161. Epub ahead of print.
12. **Schoch-Spana M**, Brunson EK, Long R, Ruth A, Ravi SJ, Trotochaud M, Borio L, Brewer J, Buccina J, Connell N, Hall LL, Kass N, Kirkland A, Koonin L, Larson H, Lu BF, Omer SB, Orenstein WA, Poland GA, Privor-Dumm L, Quinn SC, Salmon D, White A. The public's role in COVID-19 vaccination: Human-centered recommendations to enhance pandemic vaccine awareness, access, and acceptance in the United States. *Vaccine*. 2020 Oct 29:S0264-410X(20)31368-2.
13. Brunson EK, **Schoch-Spana M**. A social and behavioral research agenda to facilitate COVID-19 vaccine uptake in the United States. *Health Security*. 2020 Jul/Aug;18(4):338-344.
14. **Schoch-Spana M**. An epidemic recovery framework to jumpstart analysis, planning, and action on a neglected aspect of global health security. *Clinical Infectious Diseases*. Published 29 April 2020. ciaa486. <https://doi.org/10.1093/cid/ciaa486>.
15. **Schoch-Spana M**, Brunson EK, Gwon H, Regenberg A, Toner ES, Daugherty-Biddison EL. Influence of community and culture in the ethical allocation of scarce medical resources in a pandemic situation: deliberative democracy study. *J Participat Med* 2020;12(1):e18272.
16. Kirk Sell T, Ravi SJ, Watson C, Meyer D, Pechta LE, Rose DA, Lubell KM, Podgornik MN, **Schoch-Spana M**. A Public Health Systems View of Risk Communication about Zika. *Public Health Reports*. 2020 Apr 3:33354920912215. doi: 10.1177/0033354920912215. [Epub ahead of print]
17. **Schoch-Spana M**, Watson, Ravi S, Meyer, Pechta LE, Rose DA, Lubell KM, Podgornik MN, Sell TK. Vector Control in Zika-Affected Communities: Local Views on Community Engagement and Public Health Ethics During Outbreaks. *Preventive Medicine Reports*. Available online 25 Jan 2020, 101059. <https://doi.org/10.1016/j.pmedr.2020.101059>

18. Brunson E, Chandler H, Gronvall GK, Ravi S, Sell TK, Shearer MP, **Schoch-Spana M**. The SPARS Pandemic 2025-2028: A Futuristic Scenario to Facilitate Medical Countermeasure Communication. *Journal of International Crisis and Risk Communication Research*. 2020; 3(1): 71–102. <https://doi.org/10.30658/jicrcr.3.1.4>
19. **Schoch-Spana M**, Gill K, Hosangadi D, Slemp C, Burhans, R, Zeis J, Carbone E, Links J. The COPEWELL Rubric: A Self-Assessment Toolkit to Strengthen Community Resilience. *International Journal of Environmental Research and Public Health*. 2019;16(13):2372.
20. **Schoch-Spana M**, Gill K, Hosangadi D, Slemp C, Burhans R, Zeis J, Carbone E, Links J. Top-Down and Bottom-Up Measurement to Enhance Community Resilience to Disasters. *American Journal of Public Health*. 2019;109:S265-S267.
21. Daugherty Biddison EL, Faden R, Gwon HS, Mareiniss DP, Regenber AC, **Schoch-Spana M**, Schwartz J, Toner ES. Too many patients...A framework to guide statewide allocation of scarce mechanical ventilation during disasters. *Chest*. 2019 Apr;155(4):848-854. doi: 10.1016/j.chest.2018.09.025. Epub 2018 Oct 11
22. **Schoch-Spana M**, Brunson E, Chandler H, Gronvall GK, Ravi S, Sell TK, Shearer MP. Recommendations on how to manage anticipated communication dilemmas involving medical countermeasures in an emergency. *Public Health Reports* 2018;133(4):366-379.
23. Sell TK, Shearer MP, Meyer D, **Schoch-Spana M**, Thomas E, Rose DA, Carbone E, Toner E. Public health resilience checklist for high consequence infectious diseases – informed by the domestic Ebola response in the United States. *Journal of Public Health Management and Practice*. 2018 Nov/Dec;24(6):510-518
24. Buddemeier B, Levin R, Musolino SV, Pasquale D, **Schoch-Spana M**. How prepared are the public and responders for nuclear terrorism? *Health Physics* 2018; 114(2):153-157
25. **Schoch-Spana M**, Nuzzo J, Ravi S, Biesiadecki L, Mwaungulu G. The local health department mandate and capacity for community engagement in emergency preparedness: A national view over time. *Journal of Public Health Management and Practice*. 2017 Dec 27. doi: 10.1097/PHH.0000000000000680. [Epub ahead of print]
26. Meyer D, Sell TK, **Schoch-Spana M**, Shearer MP, Thomas E, Rose DA, Carbone E, Toner E. Lessons from the domestic Ebola response - improving healthcare system resilience to high consequence infectious diseases. *American Journal of Infection Control*. 2017 Dec 15. pii: S0196-6553(17)31220-8. doi: 10.1016/j.ajic.2017.11.001. [Epub ahead of print]
27. **Schoch-Spana M**, Ravi S, Meyer D, Biesiadecki L, Mwaungulu G. High performing local health departments relate their experiences at community engagement in emergency preparedness. *Journal of Public Health Management and Practice*

- Practice*. 2017 Oct 27. doi: 10.1097/PHH.0000000000000685. [Epub ahead of print]
28. Daugherty Biddison EL, Gwon HS, **Schoch-Spana M**, Regenberg AC, Juliano C, Faden RR, Toner ES. Scarce resource allocation during disasters: A mixed-method community engagement study. *CHEST Journal*. 2017 Aug 9. pii: S0012-3692(17)31393-4. doi: 10.1016/j.chest.2017.08.001. [Epub ahead of print]
  29. Toner E, McGinty M, **Schoch-Spana** et al. A Community Checklist for Health Sector Resilience Informed by Hurricane Sandy. *Health Security* 2017;15(1):53-69.
  30. **Schoch-Spana M**, Cicero A, Adalja A, et al. Global catastrophic biological risks: toward a working definition. *Health Security* July/August 2017 ahead of print. <https://doi.org/10.1089/hs.2017.0038>.
  31. **Schoch-Spana M**. Partnering with communities to foster trust, save more lives, and prompt recovery in epidemics and disasters. *Health Security* 2017; 15(1):22-24.
  32. 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* 2015; 13(4):281-289.
  33. **Schoch-Spana M**. Public Engagement and the Governance of Gain-of-Function Research. *Health Security* 2015;13(2):69-73.
  34. **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* 2015; 21(2):196-207.
  35. 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.
  36. **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.
  37. **Schoch-Spana M**. Rad Resilient City: A preparedness checklist to save lives following a nuclear detonation. *Health Physics* 2013; 105(5):462-463.
  38. Cutter SL, Ahearn J, Amadei B, Crawford P, Eide E, Galloway GE, Goodchild MF, Kunreuther HC, Li-Vollmer M, **Schoch-Spana M**, Scrimshaw SC, Stanley EM, Whitney G, Zoback ML. Disaster resilience: a national imperative. *Environment: Science and Policy for Sustainable Development*. 2013; 55(2):25-29.
  39. **Schoch-Spana M**. The people's role in U.S. national health security: Past, present, and future, *Biosecurity & Bioterrorism* 2012; 10(1):77-88.

40. **Schoch-Spana M.** Resilient American communities: Progress in practice and policy. *Biosecurity & Bioterrorism* 2010; 8(1):97-98.
41. **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.
42. **Schoch-Spana M**, Courtney B, Norwood A. Expanding the public's role in health emergency policy. *Biosecurity & Bioterrorism* 2009; 7(1):39-41.
43. **Schoch-Spana M.** Community resilience for catastrophic health events. *Biosecurity & Bioterrorism* 2008; 6(2):129-130.
44. **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.
45. **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.
  - Reprinted in *Emergency Management in Higher Education: Current Practices and Conversations*. JA Hubbard, ed. Fairfax, VA: PERI, 2007, pp. 97-228.
46. **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.
47. **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.
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55. 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.
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### **Book**

Albro R, Marcus G, McNamara LA, **Schoch-Spana M**, eds. *Anthropologists in the SecurityScape: Ethics, Practice, and Professional Identity*, Walnut Creek, CA: Left Coast Press, 2011. Reviewed in *Journal of Anthropological Research*, *Anthropology Review Database*, *Marine Corps University Journal*, and *Australian Army Journal*.

### **Articles, Book Reviews, Editorials and Other Publications Not Peer Reviewed**

1. **Schoch-Spana M**, Ravi S. The US needs a truth commission to heal unresolved COVID trauma. *The Hill*. June 16, 2023.  
<https://thehill.com/opinion/healthcare/4051818-the-us-needs-a-truth-commission-to-heal-unresolved-covid-trauma/>



2. **Schoch-Spana M.** Why public trust counts in a pandemic – until it doesn't. *The Hill*. March 12, 2022. <https://thehill.com/opinion/healthcare/597900-why-public-trust-counts-in-a-pandemic-until-it-doesnt>
3. **Schoch-Spana M**, Brunson EK. Raising the big tent: translating knowledge to action in the COVID-19 pandemic. *Second Opinion*. Jan 2022; 10(1). <https://mailchi.mp/f6f0e5e0c0ae/second-opinion-jan-2022-vol-10-no-1#mctoc4>
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5. Brunson EK, Gray K, Kennedy J, **Schoch-Spana M**, Searight AC, Barry J. An urgent plea to philanthropy: Help us persuade people to take the Covid-19 vaccine. *The Chronicle of Philanthropy*. November 2020. Available at: [https://www.philanthropy.com/article/an-urgent-plea-to-philanthropy-help-us-persuade-people-to-take-the-covid-19-vaccine?cid2=gen\\_login\\_refresh&cid=gen\\_sign\\_in](https://www.philanthropy.com/article/an-urgent-plea-to-philanthropy-help-us-persuade-people-to-take-the-covid-19-vaccine?cid2=gen_login_refresh&cid=gen_sign_in).
6. **Schoch-Spana M**, Dymowski TH. A chaplain and medical anthropologist explain how you can spiritually sustain healthcare workers during the COVID-19 pandemic. *Forbes*. April 11, 2020. <https://www.forbes.com/sites/coronavirusfrontlines/2020/04/11/a-nurse-and-chaplain-explain-how-you-can-spiritually-sustain-healthcare-workers-during-the-covid-19-pandemic/> - 38f494b94610
7. **Schoch-Spana M**. A scarcity of life-saving resources during COVID-19 pandemic. *The Hill*. March 22, 2020. <https://thehill.com/opinion/healthcare/488915-a-scarcity-of-life-saving-resources-during-covid-19-pandemic>
8. **Schoch-Spana M**. COVID-19's psychosocial impacts. *Scientific American*. March 20, 2020. <https://blogs.scientificamerican.com/observations/covid-19s-psychosocial-impacts/>
9. **Schoch-Spana M**. How we can rise to the coronavirus challenges. *Bloomberg BusinessWeek*. March 13, 2020. <https://www.bloomberg.com/news/articles/2020-03-13/here-s-how-to-help-during-the-coronavirus-outbreak>
10. **Schoch-Spana M**. Cracked tooth, cracked system: Why US dental care needs pulling. *Baltimore Sun*. August 30, 2018. <http://www.baltimoresun.com/news/opinion/oped/bs-ed-op-0831-cracked-tooth-20180830-story.html>.
11. **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.

12. **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](http://www.upmc-biosecurity.org/website/focus/2009_H1N1_updates/pdf/2009-11-23-RschBrf_MSFW_stigma.pdf)
13. **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](http://www.upmc-biosecurity.org/website/focus/2009_H1N1_updates/pdf/2009-04-30-StigmaFAQ.pdf)
14. **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](http://www.upmc-biosecurity.org/website/focus/2009_H1N1_updates/pdf/2009-04-30-StigmaFAQ.pdf)
15. **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.
16. **Schoch-Spana M**. Review of "Safe Food: Bacteria, Biotechnology, and Bioterrorism," by Marion Nestle. *Agricultural History* 2006; 80(4):470-72.
17. **Schoch-Spana M**. Views on Policy: Post-Katrina, pre-pandemic America. *Anthropology News* 2006; 47(1).
18. **Schoch-Spana M**. Biodefense – If risk communication is the answer, what is the question? *Natural Hazards Observer* 2004; 29(1):1-3.
19. **Schoch-Spana M**, Lien O. Leading during bioattacks with the public's trust and help. *Biosecurity Bulletin* 2004; 5(4):1-2,7-8.
20. Nuzzo J, **Schoch-Spana M**. Parity for mental health in public health preparedness. *Biodefense Quarterly* 2003; 5(2):3,10-11.
21. **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.
22. **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>.
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24. **Schoch-Spana M.** A West Nile Virus post-mortem. *Biodefense Quarterly* 1999; 1(3);1-2,6-7.

### **Chapters**

1. **Schoch-Spana.** Hard lessons in the human nature of pandemics: COVID-19 response and recovery in the United States. In *U.S. Emergency Management in the 21st Century: From Disaster to Catastrophe*, 2nd Edition. SL Cutter, M Gall, and CB Rubin, eds. Routledge, 2025. (in press)
2. **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.
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.** 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.
5. **Schoch-Spana M.** Strategies to Remedy Panic in a Pandemic: Lessons from Biodefense. In: Knobler SL, Alison M, Mahmoud A, Stanley M. Lemon SM, eds. *The Threat of Pandemic Influenza: Are We Ready?* Prepared for the Forum on Microbial Threats, Board on Global Health, Institute of Medicine. Washington, DC: The National Academies Press; 2005, pp. 347-357.
6. **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.
7. **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.
8. **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.
9. 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.

10. **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.

## PRACTICE ACTIVITIES

### *Practice Related Reports – National Academy of Sciences, Engineering and Medicine*

1. Fischhoff B, Gamble VN, **Schoch-Spana M.** *Understanding and Communicating about COVID-19 Vaccine Efficacy, Effectiveness, and Equity*. Washington, DC: The National Academies Press; 2021.
  - Summarized social, behavioral, and decision science research relevant to communicating how well COVID-19 vaccines work and how equitably they are being distributed; offered practical strategies for the process and the content of such communication.
  - Role: Co-author for “rapid expert consultation” from the Societal Experts Action Network which links social, behavioral, and economic scientists with decision makers to respond to COVID-19 related policy questions.
2. 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.
  - Provided peer-reviewed, consensus-based and evidence-informed recommendations to the U.S. on a road map for increasing resilience through shared responsibilities by individual citizens, households, communities, nongovernment organizations, private sector, and government at all levels.
  - Role: Lead author for “Building Local Capacity and Accelerating Progress: Resilience from the Bottom Up,” and contributor to other chapters applying social scientific insights into, and evidence regarding community resilience.
3. 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.
  - Delivered a peer-reviewed, consensus-based assessment regarding how the Department of Homeland Security (DHS) is building its capabilities in risk analysis to inform decision-making.
  - Role: Led development of report sections regarding risk communication, public health, and social/behavioral aspects of threats being assessed by DHS.

4. 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.
  - Given the extensive and expensive decontamination effort following the anthrax 2001 attacks, provided a peer-reviewed, consensus view on the criteria that must be met for a cleanup to be declared successful, allowing the reoccupation of a facility.
  - Role: Integrated a social scientific perspective throughout the report and co-authored sections on community engagement in the decision-making process regarding clean-up and reoccupation of a biologically contaminated facility, to establish a socially acceptable standard.
5. Committee on Educational Paradigms for Homeland Security, National Research Council. *Frameworks for Higher Education in Homeland Security*. Washington, DC: The National Academies Press; 2005.
  - Provided peer-reviewed, consensus-based guidance on how the academic enterprise can potentially support the emerging field of homeland security policy and practice, with a focus on current and proposed areas of study and course-work related offerings.
  - Role: Co-authored sections concerning social scientific elements of the homeland security “problem set” and raising ethical challenges for disciplines like anthropology in connection with past defense-related work.

***Practice Related Reports – Center for Health Security Monographs***

6. **Schoch-Spana M**, Ravi S, Nagar A, Potter C, Peterson T. *Pandemic Recovery Metrics to Drive Equity (PanREMEDY): Guidelines for State and Local Leaders in Anticipation of Future Catastrophic Outbreaks*. Baltimore MD: Johns Hopkins Center for Health Security; 2024.
  - Delivered an evidence-based set of indicators for holistic post-pandemic recovery and guidance for their implementation, informed by an equity principle and focused on both recovery system organization/operations and outcomes.
7. **Schoch-Spana M**, Brunson E, Ravi S, Taylor M, Trotochaud M, and Hosangadi D on behalf of the CommuniHealth Coalition. *The CommuniHealth Playbook: How to Spur on Your Local Community Health Sector*. Baltimore, MD: Johns Hopkins Center for Health Security; 2022.
  - Compiled field-tested strategies and tactics for advancing the community health sector *locally* –3 research teams (AL, CA, MD) developed the practical guidance by drawing upon direct experience, trial and error, and ground-level truth as they worked to mobilize local forces for vibrant and sustainably resourced community health systems.

8. **Schoch-Spana M**, Brunson EK, Hosangadi D, Long R, Ravi S, Taylor M, and Trotochaud M, on behalf of the CommuniVax Coalition. *A Waypoint on the Path to Health Equity: COVID-19 Vaccination at Month 11*. Baltimore, MD: Johns Hopkins Center for Health Security; 2021.
  - Provided an assessment of CommuniVax Coalition efforts and the COVID-19 vaccination campaign at month 11, documenting gains made toward COVID-19 vaccine equity and greater collective health agency within BIPOC communities; recommends concrete actions that would enable such advances to endure and expand.
9. Brunson EK, **Schoch-Spana M**, Carnes M, Hosangadi D, Long R, Ravi S, Taylor M, Trotochaud M, Veenema TG, on behalf of the CommuniVax Coalition. *Carrying Equity in COVID-19 Vaccination Forward: Guidance Informed by Communities of Color*. Baltimore, MD: Johns Hopkins Center for Health Security; 2021.
  - Synthesized the rapid ethnographic findings of 6 local CommuniVax research sites, translating them into guidance on COVID-19 vaccine promotion in BIPOC communities, that other jurisdictions can use to make the vaccination campaign more socially aware, culturally competent, and behaviorally realistic, as well as conducive of greater trust, collective self-efficacy, and ongoing collaborative public health efforts.
10. **Schoch-Spana M**, Brunson E, Hosangadi D, Long R, Ravi S, Taylor M, Trotochaud M, Veenema TG on behalf of the Working Group on Equity in COVID-19 Vaccination. *Equity in Vaccination: A Plan to Work with Communities of Color Toward COVID-19 Recovery and Beyond*. Baltimore, MD: Johns Hopkins Center for Health Security; February 2021.
  - Outlined tools with which elected/appointed officials at local and state levels can create, implement, and support a vaccination campaign that works with BIPOC communities to remedy COVID-19 impacts, prevent more health burdens, lay the foundation for unbiased healthcare delivery, and enable broader social change and durable community-level opportunities.
11. Toner E, Barnill A, Krubiner C, Bernstein J, Privor-Dumm L, Watson M, Martin E, Potter C, Hosangadi D, Connell N, Watson C, **Schoch-Spana M**, Veenema TG, Meyter D, Biddison EDL, Regenber A, Inglesby T, Cicero A. *Interim Framework for COVID-19 Vaccine Allocation and Distribution in the United States*. Baltimore, MD: Johns Hopkins Center for Health Security; August 19, 2020.
  - Offered an ethics framework for use in making decisions about allocation of SARS-CoV-2 vaccine during the initial period of scarcity in the United States and made related suggestions about vaccine distribution. The approach considered medical risk, public health, ethics and equity, economic impact, and logistics and was informed by a review of available literature, open-source government documents, and deliberations of a multidisciplinary

team. I lent expertise in community engagement and co-authored the section on “legitimacy, trust, and sense of ownership in a pluralist society.”

12. Rivers C, Martin E, Watson C, **Schoch-Spana M**, Cicero A, Tom Inglesby. *Resetting Our Response: Changes Needed in the US Approach to COVID-19*. Baltimore, MD: Johns Hopkins Center for Health Security; July 29, 2020.
13. **Schoch-Spana M**, Brunson E, Long R, Ravi S, Ruth A, Trotochaud M on behalf of the Working Group on Readying Populations for COVID-19 Vaccine. *The Public’s Role in COVID-19 Vaccination: Planning Recommendations Informed by Design Thinking and the Social, Behavioral, and Communication Sciences*. The Johns Hopkins Center for Health Security; July 9, 2020.
  - Considered human factors in relation to future vaccines against the novel coronavirus (SARS-CoV-2), drawing on insights from design thinking and the social, behavioral, and communication sciences. Provided actionable recommendations—directed to both US policymakers and practitioners, as well as nontraditional partners new to public health’s mission of vaccination—on how to advance public understanding of, access to, and acceptance of vaccines that protect against COVID-19.
14. Veenema TG, Meyer M, Bell SA, Couig MP, Friese CR, Lavin R, Stanley J, Martin E, Montague M, Toner E, **Schoch-Spana M**, Cicero A. *Recommendations for Improving National Nurse Preparedness for Pandemic Response: Early Lessons from COVID-19*. Baltimore, MD: Johns Hopkins Center for Health Security; June 10, 2020.
15. Cicero A, Potter C, Sell TK, Rivers C, **Schoch-Spana M**. *Filling in the Blanks: National Research Needs to Guide Decisions about Reopening Schools in the United States*. Baltimore, MD: Johns Hopkins Center for Health Security; May 15, 2020.
16. Rivers C, Martin E, Gottlieb S, Watson C, **Schoch-Spana M**, Mullen L, Sell TK, Warmbrod KL, Hosangadi D, Kobokovich A, Potter C, Cicero A, Inglesby T. *Public Health Principles for a Phased Reopening During COVID-19: Guidance for Governors*. Johns Hopkins Center for Health Security; April 17, 2020.
17. Nuzzo JB, Mullen L, Snyder M, Cicero A, Inglesby, Adalja AA, Connell N, Gronvall GK, Hosangadi D, Kobokovich, Meyer D, Montague M, Rivers C, **Schoch-Spana M**, Sell TK, Shearer M, Toner E, Trotochaud M, Warmbrod L, Watson C, Watson M. *Preparedness for a High-Impact Respiratory Pathogen Pandemic*. Baltimore, MD: Johns Hopkins Center for Health Security; September 19, 2019.
  - On behalf of the Global Preparedness Monitoring Board, examined the current state of preparedness for pandemics caused by high-impact respiratory pathogens (i.e., pathogens with the potential for widespread transmission and high observed mortality. National and global readiness in 10 functional areas was examined: e.g., global preparedness mechanisms;

multisectoral involvement and coordination; surveillance, monitoring, and assessment; and health systems and clinical management. I authored the “community engagement” section and co-authored “risk communication.”

18. **Schoch-Spana M**, Hurtado C, Meyer D, Moore-Shelley K, Ravi S, Snyder M. *Risk Communication Strategies for the Very Worst of Cases*. Baltimore, MD: Johns Hopkins Center for Health Security; March 4, 2019.
  - Based on key informant interviews and historical case studies, outlined actionable recommendations for individuals/institutions interested in championing the issue of global catastrophic biological risks (GCBRs) more effectively. To conceive and implement activities necessary to prevent or respond to GCBRs will require effective communication of the issue’s importance—internationally—to a range of people with knowledge, influence, and control of resources.
19. **Schoch-Spana M**, Brunson EK, Shearer MP, Ravi S, Sell TK, Chandler H, Gronvall GK. *The SPARS Pandemic, 205-2028: A Futuristic Scenario for Public Health Risk Communicators*. Baltimore, MD: Johns Hopkins Center for Health Security; October 2017.
  - By drawing upon the historical record and implementing a futurist methodology, generated a technically and socially plausible exercise scenario for public health officials to deepen understanding of the communication dilemmas that could arise when medical countermeasures are developed and distributed during a pandemic.
20. Daugherty-Biddison L, Gwon H, Regenberg A, **Schoch-Spana M**, Toner E. *Maryland Framework for the Allocation of Scarce Life-Sustaining Medical Resources in a Catastrophic Public Health Emergency*. Baltimore, MD: Johns Hopkins University; August 2017.
  - Summarized findings of a 5-year, multi-institutional effort to understand the values of Maryland citizens regarding the allocation of scarce critical care resources, and outlined a framework for mechanical ventilator allocation for the state of Maryland. Additional goals of this project were to foster development of disaster response coalitions among healthcare institutions and government agencies and to promote public trust in response planning through transparent public dialogue.
21. Toner E, Shearer MP, Sell TK, Meyer D, Chandler H, **Schoch-Spana M**, Echols ET, Rose D, Carbone E. *Health Sector Resilience Checklist for High-Consequence Infectious Diseases – Informed by the Domestic US Ebola Response*. Baltimore, MD: Johns Hopkins Center for Health Security; May 2017.
  - Discerned lessons from the communities that responded to confirmed cases of Ebola Virus Disease in the United States in order to inform recommendations to improve health sector resilience to future High Consequence Infectious Disease (HCID) events. Co-authored with CDC.



22. Toner E, McGinty M, **Schoch-Spana M**, Rose D, Watson M, Echols E, Carbone E. *A Community Checklist for Health Sector Resilience Informed by Hurricane Sandy*. Baltimore, MD: Johns Hopkins Center for Health Security; October 2016.
  - Examined the experiences of northeastern US communities and health care facilities when responding to and recovering from Hurricane Sandy in order to inform recommendations to improve health sector resilience to future extreme weather events and other natural disasters. Co-authored with CDC.
23. **Schoch-Spana M**, Gronvall GK, Brunson E, Sell TK, Ravi S, Shearer M, Collins H. *How to Steward Medical Countermeasures and Public Trust in an Emergency – A Communication Casebook for FDA and Its Public Health Partners*. Baltimore, MD: UPMC Center for Health Security; June 2016.
  - Based upon empirical research and expert judgment, provided “best practices” recommendations to FDA and other public health authorities on how to manage medical countermeasure (MCM) communication dilemmas and achieve desired population health outcomes in an emergency.
24. **Schoch-Spana M**, Gronvall GK, Brunson E, Sell TK, Ravi S, Shearer M, Collins H. *Securing the Future of MCM Emergency Communication: Recommended Strategies for the FDA*. Baltimore, MD: UPMC Center for Health Security; June 2016.
  - Developed policy recommendations for FDA leadership regarding strategies whose adoption would likely improve the agency’s short- and medium-term performance when communicating about MCM before, during, and after a health crisis - based on “lessons learned” from actual and anticipated health crises.
25. Daugherty Biddison EL, Toner E, Gwon H, **Schoch-Spana M**, Regenbreg A. *Community Values and the Allocation of Scarce Medical Resources in Disasters – A Public Engagement Project*. Baltimore, MD: UPMC Center for Health Security and Johns Hopkins University; August 31, 2015.
26. **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.
  - Developed for FEMA an empirical record and initial policy analysis to inform the development of a potential national strategy to strengthen the resilience and recovery of communities uprooted due to a nuclear detonation. Presented a comparative case analysis of mass population displacement and resettlement in the contexts of major US disasters, nuclear/radiological incidents, and the global setting.

27. **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.
  - Informed by current evidence and expert judgment, provided cities and their neighbors with a checklist of preparedness actions that could save tens of thousands of lives following a nuclear detonation through adequate protection against radioactive fallout. Hard copy monograph distributed nationally to US public health practitioners and emergency managers and published on-line.
28. **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.
  - Provided practical guidance to top political and public health leaders on how to achieve multiple complex goals (eg, care for the sick, interrupt disease transmission, ward off stigmatization, stem economic impacts) and maintain public trust while governing in an outbreak. 20,000 hard copies distributed nationally to mayors, governors, and their public health and safety advisors.

#### ***Practice-Related Reports – Government***

29. Executive Committee of the Board of Scientific Counselors (BOSC) and BOSC Subcommittee Participants. *Review of the US EPA Office of Research and Development's Implementation of PFAS Research and Development*. January 18, 2022.
  - Upon assessment of ORD's efforts and deliberations of BOSC members, my contribution was developing a cross-cutting recommendation that focused on community engagement as means to help foster a more knowledgeable citizenry, enable researchers' access to relevant local knowledge, extend the data collection/analysis infrastructure, and mobilize greater social interest in effective risk reduction.
30. 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.
31. **Schoch-Spana M**. *Health agency capacity for community engagement in public health emergency preparedness*. Report to the US Department of Homeland Security and the National Consortium for the Study of Terrorism and Responses to Terrorism (START), University of Maryland; December 2010.
32. **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.

### ***Testimony, Hearings and Briefings***

1. Capitol Hill Steering Committee on Pandemic Preparedness & Health Security: COVID-19 Vaccination: What is Needed Now to Meet the Needs of the Hardest Hit Populations in the U.S., January 28, 2021, Briefing on "Equity in COVID-19 Vaccination: CommuniVax Recommendations"
2. 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"
3. Senator Mary Landrieu and Congressman Patrick Kennedy Congressional Briefing. Washington, DC, September 19, 2007: "Rational Homeland Security: Lowering Obstacles and Creating Economic & Socially Sensible Policies"
4. 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"
5. 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"

### ***Presentations to Policymakers, Communities, and Other Stakeholders***

1. Dr. Eric Lander, Director, Office of Science and Technology Policy (OSTP), August 17, 2021: A virtual briefing – timed to inform the development of the new pandemic preparedness plan for the country – on what the federal government could do to build capacity at the local level for greater community engagement, inclusive public health, and community-based participatory research, based on the experiences of the CommuniVax Coalition. Other advisors in attendance:
  - Dr. Alondra Nelson, Deputy Director, OSTP
  - Dr. Sandra Ford, Special Assistant to the President for Public Health and Science
  - Ms. Catherine Oakar, Special Assistant to the President for Public Health and Disparities
  - Dr. B. Cameron Webb, Senior Policy Advisor for COVID-19 Equity on the White House COVID-19 Response Team
  - Ms. Carissa Smith, Senior Advisor for Public Engagement for White House Operations (working on COVID-19)

2. National Governors Association and National Conference of State Legislatures – State Leadership Meeting on Vaccine Preparedness, Policy and Planning During COVID-19, [virtual] September 25, 2020: “The Public’s Role in COVID-19 Vaccination.”
3. National Vaccine Advisory Committee, [virtual], September 23, 2020: “The Public’s Role in COVID-19 Vaccination.”
4. 140+ Mayors with the COVID-19 Local Response Initiative City Leaders Virtual Session convened by the Bloomberg Philanthropies with Harvard and Johns Hopkins Universities, [virtual], August 20, 2020: “The Public’s Role in COVID-19 Vaccination.”
5. Mitigation Framework Leadership Group (MitFLG), Federal Interagency Coordinating Body [virtual], July 30, 2020: “COVID-19 and Hazard Mitigation.”
6. U.S. Senate Committee on Health, Education, Labor, and Pensions staff, July 23, 2020 [virtual]: “The Public’s Role in COVID-19 Vaccination.”
7. National Governors Association and National Conference of State Legislatures staff, July 27, 2020 [virtual]: “The Public’s Role in COVID-19 Vaccination.”
8. Erin Gurak, Staffer to Congressman Lloyd Doggett, House Ways and Means Committee, July 22, 2020 [virtual]: “The Public’s Role in COVID-19 Vaccination.”
9. U.S. House Committee on Energy and Commerce staff during the US response to the COVID-19 pandemic, remotely due to physical distancing, May 27, 2020: “COVID-19 and Mental Health.”
10. 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”
11. Representatives of the Kuwait Ministry of Defense, Ministry of Health, Ministry of Interior, and Red Crescent Society, arranged during the stay for *International EMS/Disaster Management Conference and Exhibition*, Kuwait City, April 15-17 2013: “Public Health Preparedness in a Nuclear Disaster Event”
12. Nicole Lurie, Assistant Secretary for Preparedness and Response, Department of Health and Human Services. Washington, DC, September 14, 2012: “Disaster Resilience: A National Imperative”
13. Brian Kamoie, Senior Director for Preparedness Policy, White House National Security Staff. Washington, DC, July 31, 2012: “Disaster Resilience: A National Imperative”

14. 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”
15. Natasha Manji, Senior Communications Advisor, Communications Directorate, Public Health Agency of Canada. Baltimore, MD, May 15, 2008: “Community Engagement in Health Emergency Planning”
16. Russian Pandemic Preparedness Delegation sponsored by the Library of Congress’ Open World Leadership Center; Center for Biosecurity, Baltimore, MD, March 15, 2007
17. Jennifer Bryning and Robert Kadlec, Staffers to Senator Richard Burr and the Senate HELP Subcommittee on Bioterrorism. 4<sup>th</sup> Quarter, 2006.
  - Advised on potential legislative language regarding citizen engagement and risk communication in connection with reauthorization of PL 107-88, "The Public Health Security & Bioterrorism Preparedness & Response Act of 2002."
18. Dr. Wilson Wang, Health Advisor/Staffer to Senator Joe Lieberman. 4<sup>th</sup> Quarter, 2006.
  - Provided input to the draft legislation, Public Health Emergency Preparedness Community Engagement Act (2006) that aimed to “improve public involvement in preparedness for and response to bioterrorism and other public health emergencies and disasters.” The bill’s analytic and advocacy efforts helped to facilitate a successful amendment to the Pandemic and All Hazards Preparedness Act of 2006 that created the Office of At-Risk Individuals under the HHS Assistant Secretary for Preparedness and Response.
19. Roger Bernier, Senior Advisor for Scientific Strategy and Innovation, Centers for Disease Control & Prevention (CDC). Collaborated on memorandum to Director Julie Gerberding about how CDC might integrate citizen engagement into agency initiatives including public health preparedness and pandemic flu planning. Summer 2006.
20. 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”
21. Congressman Patrick J. Kennedy. Washington, DC, July 26, 2005: “The People’s Role in Biodefense”
  - Consulted with Dr. Michael Barnett, Kennedy’s staff during drafting of the Ready, Willing, and Able Act (introduced 2005, 2007) that planned for the

public “to have a direct and influential role in developing and reviewing community disaster preparedness, response, recovery, and mitigation plans.”

22. 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”
23. 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”
24. 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”
25. 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”
26. US Attorney General Janet Reno; Secretary of Health Donna Shalala, Washington, DC, May 12, 2000. Briefing on Bioterrorism; Presentation of Bioterrorist Scenario.
27. Influenza Planning Committee, Maryland Department of Health/Mental Hygiene, Baltimore, MD, April 26, 1999: “The 1918 Influenza Epidemic in Baltimore City: Lessons Learned”

### ***Consultations and Collaborations with Policymakers, Community Groups, and Other Stakeholders***

1. *Global Emerging and Persistent Infectious Diseases (GEPID)* - U.S. Debate/Caucus Conference convened by the Institute on Science for Global Policy, Baltimore, MD/Virtual, March 13, 2024
2. *Faith and Health Convening* by Interfaith America and Chautauqua Institution, Chautauqua, NY, July 9-12, 2023
3. *Concept of Operations Plan (CONOPS)*, workshop convened by NSF/CDC-supported Public Health Extreme Events Research Network – PHEER (<https://pheernetwork.org>) [virtual], June 20, 2023
4. *Collaborative Infrastructure to Advance Health Equity*, roundtable jointly hosted by Partners in Health-US and Deloitte Consulting [virtual], May 1, 2023

5. *Generating Trust Online*, workshop convened by the Social Science Research Council Media & Democracy Program and Hacks/Hackers, Brooklyn, NY, March 9, 2023
6. *American Democracy and Pandemic Security*, roundtable convened by the Brown University School of Public Health Pandemic Center, the Center for Strategic and International Studies (CSIS) Global Health Policy Center, and the COVID Collaborative, Washington, DC, December 5, 2022
7. *American Federation of State, County and Municipal Employees, Maryland-Council 3*, consultation requested by union leadership to discuss how to improve COVID-19 health and safety protections for workforce, both immediately among membership and at the level of state policy and practice [virtual]. August 25, 2022
8. *Reimagining a 21<sup>st</sup> Century Public Health System*, a workshop convened by the California Council on Science and Technology to distill lessons learned from the COVID-19 pandemic and collectively develop a new vision for a truly modern public health system [virtual]. June 14 and 17, 2022
9. *Resilient Investment Planning and Development Working Group (RIPDWG)\**, a dialogue session to assist in identifying infrastructure resilience R&D gaps and strategies to reduce the risk of societal disruption; \*inter-governmental advisory group chartered under the Critical Infrastructure Partnership Advisory Council [virtual]. June 16, 2022
10. *The Future of Risk Research for Homeland Security*, an interdisciplinary consultation convened by the Center for Accelerating Operational Efficiency, a DHS Center of Excellence based at Arizona State University, Washington, DC. May 16-17, 2022
11. *SARS-CoV-2 Vaccine Technical Advisory Group*, Maryland State Department of Health and Mental Hygiene, [virtual], November 2020 to December 2021
12. *Barriers to Advancing Racial Equity and Support for Underserved Communities*, a rapid consultation on equity and environmental justice with the Board of Scientific Counselors (BOSC) Executive Committee and Subcommittee Members as requested by the US EPA Office of Research and Development, in response to Executive Order 13985 [virtual]. July 6, 2021
13. Pastor Ricardo W. Payne, The Light House Baptist Church. Washington, DC. Development of detailed memo outlining empirically informed guidance on how to address vaccine hesitancy among young people ages 20 to 35 within the Black/African American community, based upon research and expert input from the CommuniVax Coalition [virtual]. June 2021
14. *Exploring Gaps in the Evidence Base in Learning and Sharing in Public Health Emergency Preparedness, Response and Recovery (PHEPR) Practice*, Public Health Emergency Preparedness and Response (PHEPR) Science Stakeholder

- Workshop convened by SGNL Solutions for the Association for Public Health Laboratories [virtual]. April 29, 2021
15. *Building Resilient Systems and Leaders in the Face of Multisystem Shocks*. Resilience Roundtable convened by the Robert Wood Johnson Foundation [virtual]. December 8-9, 2020
  16. *Challenges to Active Citizenship in the Context of a Pandemic*. Kettering Foundation Summer Retreat [virtual]. July 28-30, 2020
  17. *COVID-19 Mental Health*. Congressman David Trone (MD-06) in collaboration with the National Alliance on Mental Illness, the National Suicide Prevention Lifeline, Sheppard Pratt Health Systems, and Johns Hopkins Center for Health Security. Gaithersburg, MD, April 16, 2020
  18. *Guide to COVID-19 Vaccine Communications*. University of Florida Center for Public Interest Communications (on behalf of the United Nations). Gainesville, FL. 2020 [virtual]. <https://covid19vaccinescommunicationprinciples.org/wp-content/uploads/2020/11/Vaccine-Comms-Principles.pdf>
  19. *The Pandemic Challenge: Building Resilience to Face the Inevitable*, Expert Working Group Meeting, Adrienne Arsht Resilience Center, Atlantic Council, Washington, DC, April 6, 2018
  20. *Public Policy Summit*. 2016 Annual Meetings of the American Anthropological Association. Minneapolis, MN. November 17, 2016
  21. *Federal Program-Based Indicators of Community Resilience to Hazards and the Impacts of Climate Change*, stakeholder webinar convened by FEMA on behalf of the Federal Mitigation Framework Leadership Group, Washington, DC, December 11, 2015
  22. *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
  23. *Public Health Adaptive Systems Studies (PHASYS)* Advisory Group, University of Pittsburgh's Preparedness and Emergency Response Research Center, 2009-2012
  24. *Social Dimensions of Disaster Assistance*, convened by George Washington University's Elliott School of International Affairs, Washington, DC, June 5-6, 2011
  25. *Community Resilience*, Working Group of Subject Matter Experts convened by the Community Resilience Strategy Initiative (CRSI) and the Community and Regional Resilience Institute (CARRI), June 2010 to June 2011



26. *HINI Colloquium*, convened by the Fritz Institute, August 26, 2009
27. *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
28. *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
29. *Community Resilience*, convened by DHS Science & Technology Directorate, Arlington, VA, June 30-July 1, 2008
30. *STOP AI Pandemic*, convened by USAID, Arlington, VA, May 27, 2008
31. *Health and Democracy*, convened by the Kettering Foundation, Dayton, OH, May 22-23, 2008
32. *Public Resilience in CBRN Events*, convened by the Defense Threat Reduction Agency and the USAF Counter-Proliferation Center, Washington, DC, February 21, 2008
33. *Research Priorities in Emergency Preparedness and Response for Public Health Systems*, Institute of Medicine, Washington, DC, December 18-20, 2007
34. Law Enforcement and Public Health Advisory Panel, *Risk Communications, Pandemic Flu Planning and Occupational Health*, Police Executive Research Forum, Washington, DC, December 12, 2007
35. *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
36. *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
37. *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
38. *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

39. *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
40. *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
41. *Citizens' Information Needs in Responding to Disaster*, Computer Science and Telecommunications Board of the NAS/National Research Council, Washington, DC, July 19, 2005
42. *Wide-Area Biological Restoration*, Homeland Security Institute, Arlington, VA, February 8-9, 2005
43. *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
44. *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
45. *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
46. *Psychological Effects of Terrorist Attacks on the Homeland*, Defense Threat Reduction Agency project, Homeland Defense 2008 and Beyond. Washington, DC, March 18, 2004
47. *Working Group on Modeling Social Responses to Bioterrorism Involving Infectious Agents*, Rutgers University Center for Discrete Mathematics & Theoretical Computer Science, May 2003
48. *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

### ***Media Dissemination***

#### *Traditional Media*

Major news outlets that have featured my research, policy analysis, and expert opinion over the course of my career in public health emergency management include:

- New York Times
- Washington Post
- Los Angeles Times
- Associated Press
- Reuters
- Newsweek
- National Journal
- Boston Globe
- The Atlantic
- BBC
- The Guardian
- Christian Science Monitor
- Congressional Quarterly
- Maryland Public Television
- NBC Dateline
- Time Magazine
- MIT Technology Review
- National Public Radio
- Foreign Policy
- Financial Times
- Wall Street Journal
- Baltimore Sun
- PBS News Hour
- CNN
- Forbes
- Science Magazine
- The Hill
- USA Today
- Fortune

Select articles (2020-2022) from tier-one media and metropolitan newspapers spotlighting my work and expert commentary on the sociocultural aspects of COVID-19:

1. National Public Radio: “Not everyone is ready to take the leap and stop wearing face masks.” March 9, 2022. <https://www.npr.org/2022/03/09/1085355641/not-everyone-is-ready-to-take-the-leap-and-stop-wearing-face-masks>
2. PBS News Hour: “Stark racial disparities persist in vaccinations, state-level CDC data shows.” May 21, 2021. <https://www.pbs.org/newshour/health/stark-racial-disparities-persist-in-vaccinations-state-level-cdc-data-shows>
3. CNN: “America's biggest cities face racial inequities in vaccine distribution.” February 11, 2021. <https://www.cnn.com/2021/02/11/us/data-analysis-equitable-distribution-major-cities/index.html>
4. Wall Street Journal: “As Pfizer's Covid-19 vaccine rolls out, next step is getting people to take it.” December 13, 2020. <https://www.wsj.com/articles/as-pfizers-covid-19-vaccine-rolls-out-next-step-is-getting-people-to-take-it-11607859001>
5. New York Times: “How to end this pandemic and prepare for the next one.” December 9, 2020. <https://www.nytimes.com/2020/12/09/business/dealbook/covid-vaccine-policy-debate.html>
6. Science: “Just 50% of Americans plan to get a COVID-19 vaccine. Here's how to win over the rest.” June 30, 2020. <https://www.science.org/content/article/just-50-americans-plan-get-covid-19-vaccine-here-s-how-win-over-rest>

7. Time Magazine: “Xenophobia 'is a pre-existing condition.' How harmful stereotypes and racism are spreading around the coronavirus.” February 1, 2020.  
<https://time.com/5775716/xenophobia-racism-stereotypes-coronavirus/>
8. Washington Post: “The coronavirus and the long history of using diseases to justify xenophobia.” February 14, 2020.  
<https://www.washingtonpost.com/nation/2020/02/14/coronavirus-long-history-blaming-the-other-public-health-crises/>

#### Media Participation Statistics during Early COVID Response

- January 1 to December 31, 2021
  - All Global: 181 mentions
  - All US: 163 mentions
  - Gus's List (US sources with 91-100% reach): 25 mentions
- January 1 to December 31, 2020
  - All Global: 842 mentions
  - All US: 608 mentions
  - Gus's List (US sources with 91-100% reach): 141 mentions

#### Social Media, Podcasts, Blog Posts, Videos

1. Washington Post: “*Why COVID-19 Vaccination Gaps Persist.*” (Video), September 2, 2021. [https://www.washingtonpost.com/video/national/why-covid-19-vaccination-gaps-persist/2021/09/02/ec993217-f76f-40cc-b308-22bcc637789a\\_video.html](https://www.washingtonpost.com/video/national/why-covid-19-vaccination-gaps-persist/2021/09/02/ec993217-f76f-40cc-b308-22bcc637789a_video.html)
2. American Medical Association, Center for Health Equity – Health Equity: “*Prioritizing Equity Series – COVID-19 and Disability.*” (Video). February 11, 2021. <https://www.ama-assn.org/delivering-care/population-care/how-pandemic-makes-life-harder-people-disabilities>
3. Community Health Center, Inc., Conversation on Healthcare: “*Vaccines and Communities of Color: Johns Hopkins’ Dr. Monica Schoch-Spana on Quest for Equitable Distribution and Lasting Solutions.*” (Podcast) February 11, 2021. <https://community.chc1.com/2021/02/vaccines-and-communities-of-color-johns-hopkins-dr-monica-schoch-spana-on-quest-for-equitable-distribution-and-lasting-solutions/>
4. COVID-19 Information By Walgreens: “*COVID-19: Ask the Expert | Dr. Schoch-Spana Discusses the Mental Health Effects of the Pandemic.*” (Video). January 6, 2021. 9,712 views on youtube.com, as of Jan 31, 2022. <https://www.youtube.com/watch?v=dMKzL-qnTuk>

5. NPR – Shortwave: “*Having A Group Thanksgiving? Here's How To Think About Safety.*” (Podcast) November 25, 2020. <https://www.capradio.org/news/npr/story?storyid=938807025>
6. COVIDCalls: “*The COVID-19 Vaccine.*” (Podcast) September 9, 2020. <https://covidcalls.podbean.com/e/ep-123-992020-the-covid-19-vaccine/>
7. Public Health on Call, Episode 122: “*Checking in with Dr. Monica Schoch-Spana on the Mental Health Effects of COVID-19 and the Challenge of Vaccine Acceptance.*” (Podcast) July 24, 2020. <https://johnshopkinssph.libsyn.com/122-checking-in-with-dr-monica-schoch-spana-on-the-mental-health-effects-of-covid-19-and-the-challenge-of-vaccine-acceptance>
8. Bloomberg BusinessWeek: “*The Public’s Role in COVID-19 Vaccination.*” (Podcast) July 23, 2020. <https://www.bloomberg.com/news/audio/2020-07-23/the-public-s-role-in-covid-19-vaccination-podcast>
9. American Planning Association, Resilience Roundtable: “*A Medical Anthropologist Says Planners Are Vital to COVID-19 Recovery.*” (Podcast) July 17, 2020. <https://planning.org/podcast/medical-anthropologist-says-planners-are-vital-to-covid-19-recovery/>
10. Texas Public Radio: “*It's Extremely Lonely': Recovered From COVID-19, But Shunned Socially.*” (Podcast). June 30, 2020. <https://www.tpr.org/bioscience-medicine/2020-06-30/its-extremely-lonely-recovered-from-covid-19-but-shunned-socially>
11. Colorado Public Radio – At a Distance: “*This Has Happened Before: Lessons From The 1918 Pandemic.*” (Podcast) May 15, 2020. <https://www.cpr.org/podcast-episode/this-has-happened-before-lessons-from-the-1918-pandemic/>
12. BMJ Talk Medicine: “*Coping with COVID.*” (Podcast) May 6, 2020. <https://soundcloud.com/bmjpodcasts/coping-with-covid-with-monica-schoch-spana-and-jud-brewer?in=bmjpodcasts/sets/deep-breath-in>
13. NPR/KCRW – Press Play: “*Parallels and differences between COVID-19 and 1918 Spanish flu.*” (Podcast) April 1, 2020. <https://www.kcrw.com/news/shows/press-play-with-madeleine-brand/domestic-violence-coronavirus/1918-spanish-flu-covid-19-pandemic>
14. Christian Science Monitor: “*Why Disease Boosts Discrimination, and What That Costs Society.*” (Video) March 31, 2020. <https://www.csmonitor.com/USA/2020/0331/Why-disease-boosts-discrimination-and-what-that-costs-society-video>
15. Public Health on Call: “*Mental Health in the COVID-19 Pandemic: How to Cope in a Crisis.*” (Podcast) March 23, 2020. <https://reachmd.com/programs/public-health-call/mental-health-in-the-covid-19-pandemic-how-to-cope-in-a-crisis/11342/>

16. BBC News, The Real Story: “*Beating Coronavirus: What Will You Sacrifice?*” (Podcast) March 13, 2020. <https://www.bbc.co.uk/programmes/w3csydfd>
17. American College of Medical Toxicology - ACMT Highlights Tox-in-Ten; Episode 14: *Debunking Myths - Bystander Reactions to Chemical Incidents*. (Podcast) February 12, 2020. <https://www.acmt.net/toxinten.html>
18. National Association of County and City Health Officials: “*National Survey of Emergency Preparedness Coordinators to Help Improve Community Engagement Practices*.” (Podcast) October 1, 2013. [https://www.podbean.com/media/share/dir-wkn5e-11e5749?utm\\_campaign=w\\_share\\_ep&utm\\_medium=dlink&utm\\_source=w\\_share](https://www.podbean.com/media/share/dir-wkn5e-11e5749?utm_campaign=w_share_ep&utm_medium=dlink&utm_source=w_share)
19. In Case Of Emergency, Read Blog: A Citizen’s Eye View of Public Preparedness: “*What Should We Tell the Public?*” (Video) July 25, 2008. <http://incaseofemergencyblog.com/2008/07/25/what-should-we-tell-the-public-monica-schoch-spana/>
20. **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; received grant from US Public Health Service, Office of Emergency Preparedness for licensing permission and production for mass distribution of video. 162,017 views on youtube.com as of Jan 31, 2022) <https://www.youtube.com/watch?v=tpzxNoLZx0w>

### ***Other Practice Activities***

#### *Conference Organizing / Program Development*

1. Panel Co-Organizer and Moderator, “Building Climate-Resilient Hospitals for Effective Emergency and Disaster Response” at the Health Emergencies in the Americas – Partners Forum 2024, convened by the Pan American Health Organization, Santo Domingo, Dominican Republic. May 1, 2024.
2. Co-Organizer with the Reverend Anthony Evans, President of the National Black Church Initiative, for *Lessons Learned in the Pandemic: How Can the Black Church Work More Effectively with Public Health Experts*, an online convening with invited church leaders, physicians, and public health experts. March 4, 2023.
3. Principal Organizer, *Post-Pandemic Recovery: From What, For Whom, and How?* Virtual cross sector symposium convened by the Johns Hopkins Center for Health Security, October 4 and 6, 2022
4. Chair and Principal Organizer, *Building Public Trust: The Most Effective Intervention for the COVID-19 Pandemic* (panel), Natural Hazards Center, Annual Workshop, University of Colorado at Boulder, July 12, 2022

5. Co-Organizer, *Regional Stakeholder Workshops on Bioincident Recovery*, on behalf of the US Department of Health and Human Services, Assistant Secretary for Preparedness and Response, New York, NY; Austin, TX; Seattle, WA; and Lansing, MI, January to March, 2019
6. Co-Organizer, *National Summit on Bioincident Recovery*, on behalf of the US Department of Health and Human Services, Assistant Secretary for Preparedness and Response, Washington, DC, October 26, 2018
7. 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
8. 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
9. Principal Organizer, *Rad Resilient City Initiative to Prepare Cities to Save Lives Following Nuclear Terrorism*, National Press Club, Washington, DC, September 27, 2011
10. Co-Organizer, *Advancing US Resilience to Nuclear Catastrophe*, an invitational conference convened by the Center for Biosecurity of UPMC, Washington, DC, May 19, 2011
11. 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
12. 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
13. Chair and Principal Organizer, *Resilience Research Workgroup* convened by the Center for Biosecurity of UPMC, October 2009 to February 2010
14. Chair and Principal Organizer, *Invitational Roundtable on Community Resilience and HSPD-21 Implementation*, Center for Biosecurity of UPMC, April 23, 2008
15. Program Chair, *Disasters Roundtable 18: Citizen Engagement in Emergency Planning for a Flu Pandemic*, National Academies, Washington, DC, October 23, 2006
16. Chair and Principal Organizer, *Disease, Disaster, & Democracy: The Public’s Stake in Health Emergency Planning, A US-Canada Summit*, Washington, DC, May 23, 2006

17. Moderator and Planning Committee, Pandemic Influenza Tabletop Exercise, University of the Incarnate Word, San Antonio, TX, May 19, 2006
18. 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
19. 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
20. Planning Committee, Scientific Session, *2002 Annual Meeting of the World Medical Association*
21. Program Planning Committee, *Smallpox Vaccination and Disease Containment Strategies Meeting*, Johns Hopkins Civilian Biodefense Center, Alexandria, VA, July 24, 2002
22. 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
23. 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
24. 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

### Coalition Building

Launched under my leadership in November 2020, CommuniVax was a national rapid research and action coalition of social scientists, public health experts, health care providers, and community advocates.

- Using ethnographic and community engagement techniques, we worked to broaden COVID-19 vaccination coverage within hard-hit Black, Indigenous and other people of color (BIPOC) communities and spur on the development of public health systems in which BIPOC communities co-create strategies to advance their health and wellbeing now and in the future.
- The coalition involved interactive efforts and mentoring between a central working group and 6 local study teams conducting research and community



engagement activities in Alabama, California, Idaho, Maryland (Baltimore, Prince George's County), and Virginia (Hampton Roads, Eastern Shore).

- Partnerships with the Association of Immunization Managers, the National Association of Counties, the National Governor's Association, and other national organizations that represent government and public health officials helped promote implementation of coalition findings nationwide.

In January 2022, the coalition adopted the identity, CommuniHealth, to assert more emphatically that a strong, sustainably financed community health sector is critical to the ongoing reversal of health disparities and advancement of wellness among communities of color in the US. Three local teams committed to community-university-public health collaborations around strong and sustainably resourced community health system.

- The AL team conducted a community wide needs assessment of the community health infrastructure in the state's rural Black Belt counties and used those results as a resource with which to being organizing a coalition in an environment where there is little political support.
- The San Diego (CA) team developed training materials to support other community-oriented universities who wish to leverage their neutral brokering position and access to resources to strengthen academic-community partnerships that integrate CHWs/*promotores*.
- The Prince George's County (MD) team codified lessons learned from engaging Black-owned barbershops and hair salons to support COVID-19 vaccination, and it conducted a vibrant communication campaign (e.g., town halls, talk shows, podcasts zine), sharing "how to" practical guidance for others.

## CURRICULUM VITAE

### PART II

#### TEACHING

##### **Johns Hopkins Bloomberg School of Public Health Student**

###### *Academic Advisees*

- DrPH Program
  - Victoria Osasah, 2022-pres
  - Anne Liu, 2021-pres
- MPH/MHS Program
  - Laila Reimanis, 2021-2022, “The Role of Natural Hazard Mitigation in Minimizing the Impact of Extreme Flooding on Human Health”
  - Casey Tokeshi, 2020-2021, “Leftovers of an on-going war: exploring the socio-ecological health impacts of US militarism and imperialism in Korea”
  - Alyssa Wooden, 2020-2021, “Best Practices and Strategies for Implementing Integrated Pest Management in Schools and Childcare Facilities in the United States”
- Practicum/Capstone Advisees
  - Tyrone Peterson, “From Crisis to Opportunity: Investing in the Future of Indigenous Communities Post-Pandemic,” 2022-2023

###### *Doctoral Oral Exam Participation*

- DrPH Program: Jonathon Nagata, 2024 – preliminary
- DrPH Program: Sam Hurley, 2023 (alternate) – preliminary
- PhD Program: Sanjana Ravi, 2020 – final

###### *Doctoral Thesis Committee*

- PhD Program: Alexandra Ruth, 2022, “Vaccine Policies and Programs for Reaching Older Adults in the United States: Considerations for Vaccine Access and Ethics”

##### **Texas State University, Department of Anthropology, San Marcos, TX**

- Doctoral Program
  - Rex Long, 2021-pres, “The Role of Bureaucracies and Social Capital in Recovery Pathways”
- Masters Program
  - Rex Long, 2014-15 (chair), 2015-16, “The Stigma Experiences of the Liberian Community of the DFW Metroplex During the 2014-15 Ebola Outbreak”
  - Heather Yonce, 2014-2015 (chair), 2015-16, “The Experiences of the Central Texas Elderly and Animal-Assisted Interventions in Assisted Living Facilities via Medicalization”

- Caleb Miller, 2014-16, “Neoliberal Caries and Moral Decay: Oral Health Inequalities Along the Texas/Mexico Border”
- Lauren Chapman, 2014-16, “Approaching Health: Reiki Users Providing Insight on CAM use for ACA Consideration”

**National Consortium for the Study of Terrorism and Responses to Terrorism (START), University of Maryland, College Park**

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

***Classroom Instruction***

**Graduate**

***Principal Instructor***, Sociocultural Dimensions of Disasters, Johns Hopkins Bloomberg School of Public Health (180.633), 4<sup>th</sup> Qtr 2023-2024; 4<sup>th</sup> Qtr, 2022-2023; 4<sup>th</sup> Qtr, 2019-2020

Guest Lecturer, “‘If We Build It, They Will Come’ and Other Dodgy COVID-19 Vaccine Ideas in the US,” Infectious Disease Threats to Global Health Security (180.623.81), Johns Hopkins Bloomberg School of Public Health, January 30, 2023

Guest Lecturer, “A ‘Yes, and...’ Review of the US National Biodefense Strategy: Applying a CommuniVax Lens to Health Security Policy,” Health Security Journal Club (185.803.71), Johns Hopkins Bloomberg School of Public Health, December 6, 2022

Guest Lecturer, “Organizing a Large Multi-Site Research Coalition for Rapid Ethnography,” ANTH 7352/Advanced Qualitative Methods, Texas State University Department of Anthropology, February 10, 2022

Guest Lecturer, “Roundtable - COVID-19 Risk Communications,” Contemporary Issues in Health Communication, Johns Hopkins Bloomberg School of Public Health (410.653.01), September 15, 2020

Guest Lecturer, “Community Engagement in Public Health Emergencies,” Risk Communication and Decision Science for Public Health Emergencies (180.634.81), Johns Hopkins Bloomberg School of Public Health, April 23, 2020

Guest Lecturer, “How to Earn the Public’s Trust and Help in an Epidemic.” Infectious Disease Threats to Global Health Security (180.623.01), Johns Hopkins Bloomberg School of Public Health, 3<sup>rd</sup> Qtr 2019-2020 and 3<sup>rd</sup> Qtr 2018-2019

Guest Lecturer, “How to Earn the Public’s Trust and Help in an Epidemic.”  
Strengthening Iraq’s Private Sector Epidemiology Workforce - Training, Johns Hopkins  
Center for Health Security, March 1, 2019

Guest Lecturer, “Public Archetypes in U.S. Biodefense Policy,” Infectious Disease  
Threats to Global Health Security (180.623.01), Johns Hopkins Bloomberg School of  
Public Health, February 23, 2018

Guest Lecturer, Community Research Project (3336/5336), Texas State University  
Department of Anthropology:

- “Challenges Posed by Emergency Health Situations: The Case of the 1918  
Spanish Flu,” January 18, 2018
- “Allocation of Scarce Resources and Community Engagement in Emergency  
Planning,” January 25, 2018
- “Deliberative Democracy Theory and Practice,” February 15, 2018

Guest Lecturer, “Public Archetypes in U.S. Biodefense Policy,” Health Security  
Preparedness, George Mason University, March 28, 2017

Guest Lecturer, “Influencing Federal Policy: A Few Notable Features and Some  
Common Myths,” Medical Anthropology 5325, Texas State University Department of  
Anthropology, October 15, 2015

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

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

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

Guest Lecturer, “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 4<sup>th</sup> 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

### **Undergraduate**

**Principal Instructor**, “Anthropology of Disasters,” 1 section with 30 students, Texas State University Department of Anthropology, Spring 2015

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

***Principal Instructor***, “Anthropology of Health and Healing,” 1 section with 40 students, John Hopkins Department of Anthropology, Summer 1999

***Principal Instructor***, “Anthropology of Health and Healing,” 2 sections with 35 students each, John Hopkins Department of Anthropology, Summer 1998

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

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

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

***Principal Instructor***, “Science and Culture,” 6 students, Johns Hopkins Department of Anthropology, Summer 1995

***Co-Principal Instructor***, “Anthropology and Current Social Issues,” 25 students, Johns Hopkins Department of Anthropology, Spring 1989

### ***Other Significant Teaching***

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

## **RESEARCH GRANT PARTICIPATION**

***Title of Grant:*** Planning: CRISES: A Community-Centered Laboratory for the Research and Design of Socially Astute Epidemic Readiness and Response

***Sponsoring Agency:*** National Science Foundation

***Dates:*** 01/01/2025-12/31/2025

***Principal Investigator:*** Monica Schoch-Spana

***Funding Amount:*** \$100,000

***Main Grant Objective:*** Plan for an academic research center that partners with community stakeholders to advance the understanding, design, and implementation of human-centered infrastructure at the community/public health interface which supports “socially astute” epidemic management.

*Title of Grant:* Faith at Work in Health Emergencies

*Sponsoring Agency:* Osprey Foundation

*Dates:* 02/27/2024 – 02/26/2025

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$15,000

*Main Grant Objective:* Create a network of health professionals to focus on the intersection of faith and health in public health emergencies, culminating in the publication of a special feature of the journal, *Health Security*

*Title of Grant:* Work in Biosecurity, Global Health Security, Global Catastrophic Risks Posed by Pathogens, and Other Projects Relative to the Center's Mission

*Sponsoring Agency:* Silicon Valley Community Foundation (Grant 90104904); Prime Sponsor: Open Philanthropy Project

*Dates:* 04/01/2023 – 04/01/2026

*Principal Investigator:* Thomas Inglesby

*Funding Amount:* \$10,000,000

*Main Grant Objective:* Support the Johns Hopkins Center for Health Security's work on biosecurity, global health security, and global catastrophic risks posed by pathogens, and other work relative to the Center's mission.

*Role:* PI/Leader for "The Metrics and Means for Recovery Among the Worst-Off Survivors of the COVID-19 Pandemic," a project (\$200,000) to combine the strength of disparate disciplines to elaborate a model and set of metrics for comprehensive recovery from the pandemic in the U.S. context, later piloting them to assess their utility as part of local pandemic recovery planning processes.

*Title of Grant:* Enabling Ethical Analysis, Public Engagement and Public Justification in State-Level COVID-19 Response in the United States

*Sponsoring Agency:* NSF 2122574

*Dates:* 09/01/2021 – 08/31/2023

*Principal Investigator:* Anne Barnhill

*Funding Amount:* \$455,481

*Main Grant Objective:* Identify the forms of ethical analysis of pandemic policies, public engagement, and justification of policies to the public that occurred (or did not) in state-level pandemic responses and create guidance or ethics tools to support pandemic policymaking in the future.

*Role:* Co-Investigator collaborating in research design, research subject recruitment (i.e., making connections with jurisdictions involved with CommuniVax and Partners-in-Health initiatives for COVID-19 vaccine equity), data analysis, and write-up

*Title of Grant:* Strengthening Health Security and Public Health Preparedness

*Sponsoring Agency:* Good Ventures Foundation (Grant 90085575); Prime Sponsor: Open Philanthropy Project

*Dates:* 08/29/2019 – 4/1/2023

*Principal Investigator:* Thomas Inglesby

*Funding Amount:* \$19,500,000

*Main Grant Objective:* Support the Johns Hopkins Center for Health Security's work on

biosecurity, global health security, and global catastrophic risks posed by pathogens, and other work relative to the Center's mission.

*Role:* PI/Leader for "The Metrics and Means for Recovery Among the Worst-Off Survivors of the COVID-19 Pandemic," a project to combine the strength of disparate disciplines to elaborate a model and set of metrics for comprehensive recovery from the pandemic in the U.S. context, later piloting them to assess their utility as part of local pandemic recovery planning processes.

*Title of Grant:* A Feasibility Study of the Composite of Post-Event Well-Being (COPEWELL)

Production Environment

*Sponsoring Agency:* CDC 75D30120C09492

*Dates:* 09/21/2020 – 12/31/2022

*Principal Investigators:* Monica Schoch-Spana, Tara Kirk Sell, Crystal Watson

*Funding Amount:* \$366,398

*Main Grant Objective:* Partnering with 6 local jurisdictions, pilot-test a suite of quantitative and qualitative assessment tools as well as strategic planning guides relevant to community resilience enhancement, to determine the nature of technical assistance needed to implement these resources.

*Title of Grant:* CommuniVax 2.0

*Sponsoring Agency:* Silicon Valley Community Foundation

*Dates:* 11/01/2021 – 12/31/2022

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$500,000

*Main Grant Objective:* In pursuit of health equity, accelerate the maturation of a sustainable community health system in local CommuniVax sites while forging strategic and practical tools that other jurisdictions can adapt and apply to strengthen their own community health sector.

*Title of Grant:* The Community's Role in an Equitable and Effective COVID-19 Vaccination Rollout: Proposal to the Rockefeller Foundation to Expand the Reach and Impact of the Rapid Ethnographic Research Coalition

*Sponsoring Agency:* The Rockefeller Foundation

*Dates:* 01/01/2021 – 01/31/2022

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$500,000

*Main Grant Objective:* Add Hampton Roads, VA and Eastern Shore, VA regional teams to the CommuniVax Coalition (see CZI below).

*Title of Grant:* The Community's Role in an Equitable and Effective COVID-19 Vaccination Rollout

*Sponsoring Agency:* Chan Zuckerberg Initiative

*Dates:* 11/01/2020 – 12/31/2021

*Principal Investigator:* Monica Schoch-Spana



*Funding Amount:* \$2,000,000

*Main Grant Objective:* Advance awareness, access, acceptability of COVID-19 vaccines among U.S. Black, Hispanic/Latinx, and Indigenous communities and accelerate development of local public health governance systems through which marginalized populations can strengthen and exercise collective agency.

*Title of Grant:* Readyng Populations for the COVID-19 Vaccine – COVID-19 Working Group for Public Health and Social Sciences Research

*Sponsoring Agency:* NSF-CONVERGE

*Dates:* 04/01/2020 – 07/31/2020

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$1,000

*Main Grant Objective:* Develop an agenda to guide the aggregation, generation, and translation of known and novel research about social and behavioral challenges with a COVID-19 vaccine.

*Title of Grant:* Health Safeguards in a Host Community for Uprooted Survivors of a Climate-Based Disaster

*Sponsoring Agency:* Bloomberg American Health Initiative – Public Sector Consultation Funds

*Dates:* 02/01/2020 – 05/31/2020

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$10,000

*Main Grant Objective:* Collaborate with the Philadelphia Department of Health to model activities by which local public health practitioners and their interagency, healthcare, and non-governmental partners in a host community facilitate recovery for displaced survivors of catastrophic weather events as well as protect their mental and physical health. (*Project indefinitely postponed due to COVID-19*)

*Title of Grant:* Strengthening Health Security and Public Health Preparedness

*Sponsoring Agency:* Silicon Valley Community Foundation (Grant 165410); Prime

*Sponsor:* Open Philanthropy Project

*Dates:* 01/19/17 – 1/18/20

*Principal Investigator:* Thomas Inglesby

*Funding Amount:* \$16,000,000

*Main Grant Objective:* Support a number of projects to strengthen the understanding of and response to serious biological risks; assess how new technologies could reduce or deepen those risks; improve biosafety norms and approaches internationally; and increase the awareness of policymakers in the United States and internationally about the most important biosecurity and pandemic challenges.

*Roles:*

- PI/Leader for “Communication and Mobilization around Global Catastrophic Biological Risk”, a project (\$425,000) employing multidisciplinary input and analysis to develop a common language and clear object of concern that advances the science and social legitimacy of global catastrophic bio-risk reduction.

- Co-Investigator for “National Dialogue on Allocation of Scarce Resources in Disasters,” a project to employ deliberative democracy methods in 3 geographically diverse locales to uncover community values at stake in the ethical allocation of scarce life-saving medical resources in a catastrophic health even. I served as the lead for Central Texas study arm and was principal author for the study report.

*Title of Grant:* Enhancement and Development of a Stakeholder-focused Production Environment for the Composite of Post-Event Well-being (COPEWELL) – A Dynamic Model of Community Functioning and Resilience

*Sponsoring Agency:* CDC CDC-200-2017-94105

*Dates:* 08/15/17 – 08/14/2020

*Principal Investigator:* Jonathan Links

*Funding Amount:* \$2,899,881

*Main Grant Objective:* Create a suite of evidence-based, measurement-oriented tools (i.e., systems dynamic model, computational model, qualitative self-assessments, resources for change) that support communities in a complete cycle of planning and action to strengthen resilience to disasters.

*Role:* Co-Investigator who led a team of 5 researchers in co-developing qualitative self-assessment “rubrics” and implementation guides, in collaboration with 2 local jurisdictions (Chester County, PA, and Twin Ports, Wisconsin/Michigan)

*Title of Grant:* Persuasive Communication about Risks from and Responses to Zika

*Sponsoring Agency:* CDC BAA 2016-N-17770

*Dates:* 09/26/2016 – 02/28/2019

*Principal Investigator:* Tara Kirk Sell

*Funding Amount:* \$803,792

*Main Grant Objective:* Study Zika outbreak public communication in order to develop evidence-informed recommendations for senior health officials at the state and federal level for education and outreach in future public health emergencies.

*Role:* Co-Investigator who led study arm involving focus groups among residents of cities affected by Zika in the U.S. (either through imported cases or local transmission)

*Title of Grant:* Continued Development and Preliminary Validation of the Composite of Post-Event Well Being (CoPE-WELL), and Communication and Sharing with the National Health Security Preparedness Index (NHSPI)

*Sponsoring Agency:* Subaward No. 2002474390 – Johns Hopkins University, Bloomberg School of Public Health, Center for Health Preparedness and The Centers for Disease Control and Prevention (Contract)

*Dates:* 09/23/2014 – 09/22/2017

*Principal Investigator:* Jonathan Links

*Funding Amount:* \$750,000

*Main Grant Objective:* Develop and perform preliminary validation of a systems dynamics model (COPEWELL) of community resilience.

*Role:* Co-Investigator bringing in expertise regarding NASEM-sponsored community resilience initiatives at the local level and helping to envision qualitative instruments to address the limits to the computational models

*Title of Grant:* Redesigning Disaster Health in a Time of Change

*Sponsoring Agency:* RWJF 36966

*Dates:* 10/01/2015 – 08/31/2017

*Principal Investigator:* Eric Toner

*Funding Amount:* \$250,000

*Main Grant Objective:* Explore the question of how health-related preparedness efforts can and should evolve in the context of the rapidly changing US healthcare landscape and the growing emphasis on “resilience.”

*Role:* Co-Investigator providing expertise on community resilience, community engagement with CBFOs, and focus group methods, and responsible for recruiting key informants from local jurisdictions that have adopted community resilience as a principle around which to organize cross-sector efforts

*Title of Grant:* Health Sector Resilience Checklist for Highly Infectious Diseases

*Sponsoring Agency:* CDC 200-2015-M-87759

*Dates:* 09/15/2015 – 03/14/2017

*Principal Investigator:* Eric Toner

*Funding Amount:* \$148,349

*Main Grant Objective:* Examine the experiences within the health care system and the community at large in US cities with active Ebola cases, with the aim of developing a checklist to support communities in building health sector resilience to highly infectious or dangerous disease events

*Role:* Co-Investigator who collaborated in data collection, analysis, and write-up while contributing expertise on community engagement and crisis and emergency risk communication

*Title of Grant:* Allocation of Scarce Resources in Disasters

*Sponsoring Agency:* HHS/ASPR/HPP, via Maryland Department of Health and Mental Hygiene

*Dates:* 2011 – 2017

*Principal Investigator:* Lee Daugherty-Biddison

*Funding Amount:* \$650,000

*Main Grant Objective:* Research community values related to the ethical allocation of scarce life sustaining medical resources in a catastrophic disaster, and with this input, create an allocation framework for the state Maryland.

*Role:* Co-Investigator responsible for helping design and conduct deliberative democracy community forums, contributing to thematic of qualitative data, providing expertise on risk communication and community engagement, and co-authoring reports.

*Title of Grant:* Measuring and Motivating Health Department Excellence at Community Engagement in Preparedness

*Sponsoring Agency:* de Beaumont Foundation

*Dates:* 2014 – 2016

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$157,200

*Main Grant Objective:* Investigate the resources and techniques on which local health departments rely to engage diverse community partners in the larger public health emergency preparedness enterprise.

*Title of Grant:* Ensuring Appropriate Public Use of Medical Countermeasures through Effective Emergency Communication

*Sponsoring Agency:* FDA HHSF223201400018C

*Dates:* 2014 – 2016

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$495,145

*Main Grant Objective:* On basis of in-depth study of recent public health emergencies (e.g., Ebola, Fukushima, 2009 H1N1, anthrax attacks), provide evidence-informed advice to the FDA about communication issues inherent in the emergency use of medical countermeasures.

*Title of Grant:* A Community Checklist for Health Sector Resilience Informed by Actual Disasters

*Sponsoring Agency:* CDC 200-2014-59141

*Dates:* 2014 – 2016

*Principal Investigator:* Eric Toner, Monica Schoch-Spana (co-PI)

*Funding Amount:* \$255,627

*Main Grant Objective:* Examine New York City's experiences with Superstorm Sandy to derive "best practices" guidance for communities interested in strengthening the resilience of their health care sector to extreme events.

*Title of Grant:* Making Disasters Less Disastrous: Public Health, Healthcare Executives and Emergency Management Working Together

*Sponsoring Agency:* CDC 1U38CE002353-01

*Dates:* 2013 – 2014

*Principal Investigator:* Eric Toner

*Funding Amount:* \$200,000

*Main Grant Objective:* Characterize local collaborations (formal and informal) between US public health, emergency management, healthcare, and emergency medical services sectors, and determined their impact on healthcare preparedness.

Role: Co-Investigator

*Title of Grant:* Mass Population Displacement after Nuclear Terrorism: How to Hasten and Strengthen the Recovery of Uprooted Communities

*Sponsoring Agency:* FEMA HSHQDC-12-C-00005/#74-3

*Dates:* 2013

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$20,000

*Main Grant Objective:* Conduct a comparative case analysis of mass population displacement and resettlement in the contexts of major US disasters, nuclear/radiological incidents, and the global setting, to help inform the development of recommendations for

strengthening the resilience and recovery of communities uprooted due to a nuclear detonation.

*Title of Grant:* Organizational Factors in the Successful Application of Community Engagement Principles for Bioterrorism Preparedness

*Sponsoring Agency:* DHS/START 2008-ST-061-ST0004

*Dates:* 2008 – 2011

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$87,500

*Main Grant Objective:* Via in-depth interviews with high performing and high aspiring local health departments (LHDs), investigate those organizational factors that enable or inhibit LHDs' involvement of community residents and groups in public health emergency preparedness.

*Title of Grant:* Fostering Public Engagement in Planning for Catastrophic Events

*Sponsoring Agency:* DHS/START 2008-TH-T8-006

*Dates:* 2009 – 2010

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$200,000

*Main Grant Objective:* Examine local health department (LHD) capacity to involve the public in preparedness and response, based upon analysis of 2005 and 2008 National Association of City and County Health Officials (NACCHO) survey data on LHDs.

*Title of Grant:* Best Practices for Preparing Communities: Citizen Engagement in Public Health Emergency Planning

*Sponsoring Agency:* DHS/START N00140510629

*Dates:* 2005 – 2008

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$305,430

*Main Grant Objective:* Drew upon the empirical record and expert judgments to advise decision makers on why and how to catalyze the civic infrastructure for an extreme health event, using the instructional case of limited medical options in an influenza pandemic.

*Title of Grant:* Vaccinating the Public against Panic: Epidemic Communications Advice for Decision-Makers during Bioterrorism Response

*Sponsoring Agency:* DHS/Oklahoma City Memorial Institute for the Prevention of Terrorism – MIPT-2002J-A-019

*Dates:* 2002 – 2004

*Principal Investigator:* Monica Schoch-Spana

*Funding Amount:* \$835,129

*Main Grant Objective:* Evaluate communication experiences and practices during the 2001 anthrax letter crisis; use the case to help develop guidance for decision makers on how to lead with the public's trust and help during bioterrorism response.

***Role: Professional Staff***

Alfred P. Sloan Fndn 2008-12-12 O'Toole (PI) 2009-2012 \$750,000  
"Renew Support for the Center for Biosecurity of UPMC"

Alfred P. Sloan Fndn 2006-12-28 O'Toole (PI) 2007-2008 \$3 million  
"Renew Support for the Center for Biosecurity of UPMC"

Alfred P. Sloan Fndn 2004-6-13 O'Toole (PI) 2004-2006 \$2 million  
"Renew Support for the Center for Biosecurity of UPMC"

Alfred P. Sloan Fndn 2000-10-7 Henderson/O'Toole (PIs) 2000-2005 \$3.5 million  
"Biological Weapons: National Security Crisis and Public Health Emergency": Conduct primary research, policy analysis, and education and outreach activities in order to raise awareness and strengthen medical and public health responses to intentional epidemic.

CDC H90/CCH321833-01-1 (JHU)  
to H90/CCH323957-01 (UPMC) O'Toole/PI 2002-2004 \$988,987  
"Johns Hopkins Center for Civilian Biodefense Studies": Conduct primary research, policy analysis, and education and outreach activities in order to raise awareness and strengthen the medical and public health response to intentional epidemic.

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.

***Role: Grantee during Graduate Training***

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

## PRESENTATIONS

### *Scientific Meetings*

1. Roundtable Participant, “Anthropology at Speed, at Scale, in Action,” 2024 Annual Meeting of the Society for Applied Anthropology, Santa Fe, NM, March 28, 2024.
2. Roundtable Participant, “The Future of Risk Research for Homeland Security,” 2022 Annual Meeting of the Society for Risk Analysis (SRA), Tampa, FL, December 6, 2022.
3. Chair and Organizer, *Ethnographic Interventions in Epidemics, From the Hyperlocal to the Transnational* (roundtable), Annual Meetings of the American Anthropological Association, Seattle, WA, November 13, 2022.
4. “COVID-19 Vaccines: The Social Side to Protective Actions,” with the plenary panel, *Applying COVID-19 Lessons to Radiological Emergency Response*, National Council on Radiation Protection and Measurements (NCFRP) Annual Meeting. March 28, 2022.
5. Discussant for the panel, *Applied Anthropological Contributions to COVID-10 Response*, Society for Applied Anthropology 82<sup>nd</sup> Annual Meeting. Salt Lake City, UT, March 26, 2022.
6. Co-author with Emily Brunson, “Having a Seat at the Decision-Making Table: How CommuniVax Informed COVID-19 Policy,” with the panel, *Leveraging the Methods and Theories of Social Science to Improve COVID-19 Vaccine Uptake* (SMA Plenary), Society for Applied Anthropology 82<sup>nd</sup> Annual Meeting. Salt Lake City, UT, March 26, 2022.
7. “History, Ongoing Trauma, and Trust in Government” with the Roundtable/Townhall (virtual), *Anthropological Contributions to COVID-19 Vaccine Rollout*, 2021 Annual Meetings of the American Anthropological Association. Hybrid - Baltimore, MD, November 20, 2021.
8. “The Engagement Worked: How the CommuniVax Coalition Used Ethnography to Increase COVID-19 Vaccine Uptake, Influence Policy, and Create Lasting Change for BIPOC Communities,” Podcast, 2021 Annual Meetings of the American Anthropological Association. Hybrid/Baltimore, MD, November 20, 2021.
9. Roundtable Participant, “Anthropological Insights for Rapid Mobilization During COVID-19 and Other Health Emergencies,” with the 2020 *Raising Our Voices* Meeting of the American Anthropological Association, November 6, 2020.
10. “COPEWELL: Top-Down and Bottom-Up Resources to Assess and Enhance Community Resilience,” with the symposium, *Tech Fix: How can technology help us investigate, communicate and solve climate problems and foster resilience?*

*iCAR Phase VI*. South University of South Florida – Saint Petersburg, November 12, 2020.

11. “Epidemic Recovery: A Neglected Aspect of Global Health Security,” with the panel *Resilience and Recovery*, 2019 Global Health Security Conference, Sydney, Australia, June 20, 2019.
12. “Individualism and Collectivism: How Agency in the Academy and Public Policy Compare” with the panel *Hidden Practice, Hidden Agency: Examining Agency in Practicing and Applied Anthropology*, 2018 Annual Meetings of the American Anthropological Association, San Jose, CA, November 16, 2018.
13. “Risk Communication for the Very Worst of Cases,” with the World Health Organization session, *Managing High Threat Pathogens at the Health Security Interface*, 2019 Global Health Security Conference, Sydney, Australia, June 18, 2019.
14. “Why Disaster Science Needs Top-Down and Bottom-Up Views of Community Resilience,” with the panel *What Does Disaster Science Look Like? Towards a Common Scientific Language of Resilience*, 2019 Annual Meeting of the Society for Applied Anthropology, Portland, OR, March 22, 2019.
15. “The 1918 Influenza Pandemic: Knowing and Preparing Again for a Time of ‘Calamitous Grief (plenary),’” *One Hundred Years Pursuing the Pandemic: From the ‘Great Flu’ of 1918 to 2018*, 2018 APHL Annual Meeting & Twelfth Government Environmental Laboratory Conference, Pasadena, CA, June 2, 2018.
16. “The Saint Paul Acute Respiratory Syndrome (SPARS) Pandemic, 2025-2028: A Fictional Scenario to Strengthen Risk Communication for the Medical Countermeasures of Tomorrow,” Public Health Preparedness Summit 2018, Atlanta, GA, April 18, 2018.
17. “The COPEWELL Rubric: A Self-Assessment Tool to Help Strengthen Community Resilience,” Public Health Preparedness Summit 2018, Atlanta, GA, April 17, 2018.
18. “Debunking Myths: Bystander Reactions to Chemical Incidents,” 15th Annual Scientific Meeting of the American College of Medical Toxicology, Washington, DC April 5, 2018.
19. “A Retrospective Look at Rad Resilient City, 2011 Preparedness Checklist to Save Lives following a Nuclear Detonation,” 53<sup>rd</sup> Annual Meeting of National Council on Radiation Protection and Measurements, Bethesda, MD, March 6, 2017.
20. “Emergency Communication Strategies for Equity in Medical Countermeasure Access,” Annual Meeting of the National Association of County and City Health Officials, Phoenix, AZ, July 21, 2016.



21. "Getting Everyone to the Emergency Preparedness Table: The National Picture (poster)," Annual Meeting of the National Association of County and City Health Officials, Phoenix, AZ, July 21, 2016.
22. Discussant, "Reimagining Paths Not Taken: Conversations with Emily Martin on Culture and Mind," 2014 Annual Meetings of the American Anthropology Association, Washington, DC, December 4, 2014.
23. "A National Survey on Health Department Capacity for Community Engagement in Emergency Preparedness," 2014 Keeneland Conference on Public Health Systems and Services Research, Lexington, KY, April 9, 2014.
24. "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.
25. "Meeting the National Challenge: Measuring Progress in Building Resilient Communities" (plenary), Public Health Preparedness Summit 2013, Atlanta, GA, March 13, 2013.
26. "What Policymakers Need to Hear from Preparedness Practitioners about Community Engagement," Public Health Preparedness Summit 2013, Atlanta, GA, March 12, 2013.
27. "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.
28. "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, 2009.
29. 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.
30. "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, 2008.
31. "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.

32. "Community Engagement in Public Health Emergency Planning," 10<sup>th</sup> Annual Emergency Management Higher Education Conference, FEMA National Emergency Training Center, Emmitsburg, MD, June 6, 2007.
33. "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.
34. "Engaging Community Partners in Preparedness Planning," 1<sup>st</sup> Annual DHS University Network Summit on Research and Education, Washington, DC, March 16, 2007.
35. "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.
36. "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, 2005.
37. "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.
38. "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.
39. "Governance Dilemmas for Leaders during Bioterrorism," Terrorism and All-Hazards Preparedness Educational Program, National Environmental Health Association Annual Conference, Anchorage, AK, May 9, 2004.
40. "Engaging the 'New Normal': Terror, Homeland Security, and American Power," Workshop, Society for Cultural Anthropology Biennial Meeting, Portland, OR, May 1, 2004.
41. "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.
42. "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, 2002. Chair, Principal Organizer, Panelist.

43. 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
44. "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.
45. "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.
46. "People's Role in Biodefense," at the 2002 Chemical and Bioterrorism Preparedness Conference, National Environmental Health Association, Minneapolis, MN, June 30-July 2, 2002.
47. "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.
48. 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.
49. "Observations from Operation TOPOFF," at the 2001 Chemical and Bioterrorism Preparedness Conference, National Environmental Health Association, Atlanta, GA, June 28.
50. "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.
51. "'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, 1997. [Also, Panel Organizer]
52. "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.
53. "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.

54. “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.
55. “‘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.

### ***Invited Seminars and Talks***

1. Plenary: “Developing Research-to-Action Partnerships—Stories from the Pandemic,” 2024 Natural Hazards Workshop, convened by the *Natural Hazards Center of the University of Colorado at Boulder*, Broomfield, CO. July 16, 2024. Organizer and moderator.
2. “Human Dimensions of Pandemic Preparedness and Response: How to Earn the Public’s Trust and Help,” *Dunwoody 2024 Great Decisions Lecture Series presented in partnership with the Atlanta Global Studies Center* [virtual]. March 21, 2024.
3. “How Communication with Communities Enables Hospital Functioning in Health Emergencies,” 6th International and 16th *National Health and Hospital Administration Congress*, Konya, Türkiye [virtual]. October 13, 2023.
4. “Combating ‘Contested Information’ During Disaster Response and Recovery,” panel at the 2023 Annual Forum of the *National Emergency Management Association*, Memphis, TX. October 5, 2023.
5. “Human Dimensions of Pandemic Preparedness and Response,” forum convened by *The Anschutz Graduate Fellowship Program*, Colorado State University [virtual]. September 20, 2023.
6. “Reaffirming How Social Science and Qualitative Data Support Urban Health Emergency Preparedness,” *How Evidence Can Improve Urban Health Emergency Preparedness*, webinar convened by the Pan American Health Organization and Evidence Aid [virtual]. September 19, 2023.
7. Panel: “Understanding and Supporting the Public as a Key Element in Infodemic Preparedness and Response,” *Navigating Infodemics and Building Trust during Public Health Emergencies*, workshop convened by The National Academies of Sciences, Engineering, and Medicine [virtual]. April 11, 2023.

8. “Crisis Communication and Risk Communication in Hospital Management,” forum convened by the Department of Healthcare Management, *Ankara University, Türkiye* [virtual]. March 20, 2023.
9. High Level Plenary Session: "Recover and Build Back Better in a Context of Uncertainty and Complexity of Risk," *VIII Regional Platform for the Reduction of Disaster Risk in the Americas and the Caribbean (PR23)*, sponsored by the Government of Uruguay and supported by UNDRR, the Office for Disaster Risk Reduction for the Americas. Punta Del Este, Uruguay, March 2, 2023
10. “‘If We Build It, They Will Come’ and Other Dodgy COVID-19 Vaccine Ideas in the U.S.,” *Public Health Emergency Preparedness Professionals Association* [virtual - members webinar], February 1, 2023.
11. Keynote: “‘The Public’ in Public Health Policy: Lost and Found Opportunities for Managing Epidemics,” Annual Meeting of the *United Kingdom (UK) International Coronavirus Network*, Cambridge, England, November 3, 2022.
12. Keynote: “Advancing Equity and Resilience in the Recovery from the COVID-19 Pandemic,” Annual Meeting of *Healthy St. Mary's Partnership*, Lexington Park, MD, September 29, 2022.
13. Presidential Guest Lecture: “Advancing Equity and Resilience in the Recovery from the COVID-19 Pandemic,” 76<sup>th</sup> Annual Meeting of the *American Academy for Cerebral Palsy and Developmental Medicine*. Las Vegas, NV, September 22, 2022.
14. “Actions to (Re)build Trust,” Meeting of the Standing Committee for CDC Center for Preparedness and Response, *National Academies of Sciences, Engineering and Medicine* [virtual session]. July 22, 2022
15. “‘If We Build It/They Will Come’ and Other Fallacies Concerning COVID-19 Vaccines the U.S.,” *Northeastern University Global Health Initiative*. NUGHI: 2022: Towards a Healthier, More Equitable Future. April 5, 2022.
16. “‘If We Build It/They Will Come’ and Other Fallacies Concerning COVID-19 Vaccines the U.S.,” Global Health Colloquium (virtual), *Princeton University Program in Global Health and Health Policy*. February 25, 2022.
17. Webinar: “Communities of Faith: Safely Regathering in COVID-19 Times.” CLEAN Lessons Learned – Monthly Sessions Sponsored by *Integrated Bioscience and Built Environment Consortium (IBEC)*. December 8, 2021. Moderator/Co-Organizer.
18. “CommuniVax: A Coalition to Strengthen the Community’s Involvement in an Equitable Vaccination Rollout.” *Emerging Leaders in Biosecurity Initiative*. Fall Workshop. November 3, 2021.

19. Webinar: “Equity in and Through COVID-19 Vaccination: Guidance from Local Communities of Color across the United States,” *New York State Community Action Association*. July 20, 2021.
20. "Living with...' – From the Covid-19 Pandemics to the Climate Crisis," a workshop convened by Van Leer Jerusalem Institute, Edelstein Center at the Hebrew University of Jerusalem, and Cohn Institute for the History and Philosophy of Sciences and Ideas at Tel Aviv University. July 5-8, 2021. Master Class format. [cancelled due to COVID-19].
21. “Health Politics and Medical Misinformation.” Panel at the *11th Annual Undergraduate Conference in Public Health*, Johns Hopkins University. April 20, 2021. Moderator.
22. Webinar: “Community Recovery and Resilience in the COVID-19 Pandemic Context.” *Marine Corps University (MCU) Development*. February 23, 2021.
23. Webinar: “Responding to Vaccine Hesitancy and Misinformation,” NETEC - *National Emerging Special Pathogen Training and Education Center*. December 16, 2020.
24. Webinar: “CommuniVax Coalition,” with Behavioral Science and Covid-19 Vaccine Acceptance: A Conversation, hosted by *Penn Center for Health Incentives and Behavioral Economics (CHIBE) and ideas42*. December 16, 2020.
25. “Covid Vaccine Policy – Taskforce Discussion,” DealBook DC Strategy Forum, convened by *The New York Times*. December 2, 2020.
26. “Vaccine Hesitancy,” with the public seminar, “Should You Trust Vaccines? Understanding the Science of Prevention.” *Community Memorial Health Foundation*. November 18, 2020.
27. “Another Day, Another Disaster: Floods, Hurricanes, and the Pandemic.” Sci Café, *Sealy Center for Environmental Health and Medicine, Institute for Translational Sciences, The University of Texas Medical Branch*. November 4, 2020.
28. “Community Recovery and Resilience in the COVID-19 Pandemic Context,” 2020 Continuing Professional Education Workshop. *Pro Bono Counseling Project*. October 29, 2020.
29. “The Public’s Role in COVID-19 Vaccination,” COVID-19 Webinar for Maryland Primary Care Providers. *Maryland Department of Health and Mental Hygiene*. October 20, 2020.
30. “The Public’s Role in COVID-19 Vaccination,” with the Town Hall on “Who Gets Vaccines? Modeling to Inform Tough Decision.” *Johns Hopkins University Modeling & Policy Hub*. October 14, 2020.

31. “Earning Trust in the Age of the Pandemic,” workshop convened by the *National Academies of Sciences, Engineering and Medicine* and the *American Academy of the Arts and Sciences*. September 16, 2020
32. “COVID-19 and Disability: An Unequal Response.” Webinar convened by the *Johns Hopkins Disability Health Research Center*. August 22, 2020.
33. “The Public’s Role in COVID-19 Vaccination,” at the *CLEAN2020 Summit*. August 15, 2020.
34. “The Public’s Role in COVID-19 Vaccination,” at the *NASEM Public Workshop on Equitable Allocation of Vaccine for the Novel Coronavirus*. August 7, 2020.
35. “Enhancing Public Trust and Health with COVID-19 Vaccination: Planning Recommendations,” *American Association of Colleges of Nursing*, COVID-19 Webinar Series. August 4, 2020
36. “The Public’s Role in COVID-19 Vaccination,” at the COVID-19 Multisector Partners Meeting, convened by *Trust for America’s Health*. July 16, 2020.
37. Discussant for “Urban Infrastructure” panel with the symposium, Epidemic Urbanism: Reflections on History, convened by the *Global Architectural History Teaching Collaborative and Society for Architectural Historians*. May 28-29, 2020.
38. Webinar: Psychological Impacts of COVID-19. COVID-19 Readiness Call. *Nashville Health Care Council*. May 12, 2020.
39. Webinar: Managing the Risks of Re-Opening: Community Amenity and Leasing Office Challenges. *National Multifamily Housing Council*. May 6, 2020.
40. Climate Justice Webinar: Vulnerability and Resilience to COVID-19 and the Climate Crisis. *Center for Progressive Reform*. April 29, 2020.
41. Care Rationing and Discrimination. CEO & Senior Leader COVID-19 Webinar. *National Health Council*. April 1, 2020.
42. COVID-19 Pandemic Webinar: Special Considerations for the Elderly and Vulnerable Groups. *Founders Pledge*. April 1, 2020.
43. COVID-19 Webinar: Fear, Stigma and Steps Forward. *American Anthropological Association*. March 19, 2020.
44. “Sharing Expectations: How Enrollees and Epidemiologists May View the Role of a Radiation Registry Differently,” presentation at Challenges in Initiating and Conducting Long-term Health Monitoring of Populations following Nuclear and Radiological Emergencies in the United States – A Workshop, convened by the National Academies of Science, Engineering, and Medicine. Washington, DC, March 12-13, 2019.

45. "At-Risk Populations," panel at Moving Forward: Pathways to Building Community Resilience, hosted by the National Academies of Science, Engineering, and Medicine ResilientAmerica Roundtable, June 19, 2018.
46. "Casebook Overview: How to Steward Medical Countermeasures and Public Trust in an Emergency," Public Health Communications Committee Meeting, National Association of County and City Health Officials, March 22, 2017.
47. Panelist, Applied Anthropology in the Social Sector, Texas Applied Anthropology Summit, San Marcos, TX, September 17, 2016.
48. "Public Deliberation and Gain-of-Function Research Policy: Putting It into Practice," presentation at Gain-of-Function Research: The Second Symposium. National Academies of Sciences, Engineering, and Medicine. Washington, DC, March 10-11, 2016.
49. "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.
50. "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.
51. "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.
52. "Resilience Revisited," panelist at the 38th Annual Natural Hazards Research and Applications Workshop, University of Colorado at Boulder, Broomfield, CO, July 15, 2013.
53. "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.
54. "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.
55. "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.



56. "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.
57. "Building Resilient Communities by Creating Community Networks," American Red Cross Day at the White House, Washington, DC, September 14, 2012.
58. "Reconstituting Community in the Aftermath of Nuclear Terrorism (Poster)," International Disaster and Risk Conference, Global Risk Forum Davos, Switzerland, August 29, 2012.
59. "The Rad Resilient City Checklist: A Life-Saving Preparedness Tool for Nuclear Terrorism," 6<sup>th</sup> Annual Emergency Management Summit. Baltimore, MD, September 5, 2012.
60. "Health within Disaster Risk Reduction" (Panel Co-Chair), International Disaster and Risk Conference, Global Risk Forum Davos, Switzerland, August 30, 2012
61. "Environmental Changes and Health Implications" (Panel Co-Chair), International Disaster and Risk Conference, Global Risk Forum, Davos, Switzerland, August 28, 2012
62. "Not Just Zombies: Increasing Public Health Preparedness and Response (Panel)," 37<sup>th</sup> Annual Natural Hazards Research and Applications Workshop, University of Colorado at Boulder, Broomfield, CO, July 17, 2012.
63. "Disasters and Community Resilience: National Research Council Findings and Guidance (Plenary)," 37<sup>th</sup> Annual Natural Hazards Research and Applications Workshop, University of Colorado at Boulder, Broomfield, CO, July 16, 2012.
64. "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.
65. "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.
66. "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.
67. "How Your City Can Survive a Nuclear Terrorist Attack," Public Health Preparedness Summit, Anaheim, CA, February 24, 2012.

68. “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.
69. “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.
70. Panelist, “Surviving a Nuclear Event Conference,” convened by the Community Emergency Response Network, Howard County, Maryland, Clarksville, MD, September 8, 2011.
71. “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.
72. “The Public’s Role in Disasters and Epidemics,” Kettering Foundation Communities around the World Conference, Dayton, OH, March 30, 2009.
73. “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.
74. “Community Engagement in Health Emergency Planning,” Transition Task Force, Homeland Security Policy Institute, George Washington University, Washington, DC, July 24, 2008.
75. “Community Engagement in Health Emergency Planning,” 2008 Illinois Public Health Emergency Preparedness Summit, Oakbrook, IL, July 16-17, 2008.
76. “Defining and Developing Disaster Resilience (Panel),” 33<sup>rd</sup> Annual Hazards Research and Applications Workshop, University of Colorado, Boulder, CO, July 12-15, 2008.
77. “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.
78. “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.
79. “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.

80. Plenary Session, "Community Engagement in Health Emergency Planning," Annual Conference of the National Public Health Information Coalition, Baltimore, MD, September 24, 2007
81. "Continuity of Operations during an Influenza Pandemic (panel)," 32<sup>nd</sup> Annual Hazards Research and Applications Workshop, University of Colorado, Boulder, CO, July 8-11, 2007.
82. "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.
83. "Community Engagement: Leadership Tool for Catastrophic Health Events," 2<sup>nd</sup> 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.
84. "The Evolving Citizen Role in Public Safety and Security (panel)," National Watch Groups Summit, sponsored by US Dept of Justice, Bureau of Justice Assistance, US Dept of Homeland Security, National Citizen Corps Program, and National Crime Prevention Council, Lexington, KY, May 30, 2007.
85. "Community Engagement as a Pre-Event Disaster Mental Health Intervention," *Disaster Mental Health in the Wake of Hurricane Katrina*, 22<sup>nd</sup> Annual Rosalynn Carter Symposium on Mental Health Policy, Carter Center, Atlanta, GA, November 8-9, 2006.
86. Plenary Address, "Is It Real? Pandemic Flu and Other Unthinkable Disasters," Maryland Association of Community Services Annual Conference, Hershey, PA, October 5, 2006.
87. "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.
88. "Scarce Medicine and Tough Choices in a Crisis," Ethical and Justice Issues Panel, Howard County Pandemic Flu Summit, Columbia, MD, May 16, 2006.
89. "Public Resilience and Biological Terrorism (panel)," U.S. Military Academy, Department of Social Sciences, Combating Terrorism Center, West Point, NY, May 5, 2006.
90. "Health Emergencies, Scarce Medicine and Tough Choices," Partners in Emergency Preparedness Annual Conference, Tacoma, WA, April 18-19, 2006.
91. "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.

92. "Public Response to Extreme Events – Top 5 Disaster Myths," Resources for the Future, First Wednesday Seminar, Washington, DC, October 5, 2005.
93. "How to Lead during Bioattacks with the Public's Trust and Help," OASIS adult learning program, Gaithersburg, MD, October 3, 2005.
94. "Outbreak! Legal Issues in Quarantine and Response (panel)," 30<sup>th</sup> Annual Hazards Research and Applications Workshop, University of Colorado. Boulder, CO, July 12, 2005.
95. "Risk Communication Leadership Training," Michigan Department of Community Health, Office of Public Health Preparedness. Lansing, MI, May 19, 2005.
96. "How to Lead during Bioattacks with the Public's Trust and Help," Partners in Emergency Preparedness Conference 2005. Bellevue, WA, April 20, 2005.
97. "How to Lead during Bioattacks with the Public's Trust and Help," University of Pittsburgh Bioterrorism Lecture Series. Pittsburgh, PA, March 21, 2005.
98. "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.
99. "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.
100. "Public Health, Bioterrorism and National Security (panel)," 29<sup>th</sup> Annual Hazards Research and Applications Workshop, University of Colorado. Boulder, CO, July 13, 2004.
101. "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.
102. "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.
103. "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.
104. "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.
105. "Managing Fear and Anxiety in the Future: Challenges for Emergency Managers (panel)," 28<sup>th</sup> Annual Hazards Research and Applications Workshop, University of Colorado. Boulder, CO, July 14, 2003

106. "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.
107. 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.
108. "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.
109. "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.
110. "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.
111. "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.
112. 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.
113. 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.
114. "Bioterrorism, Public Health and Special Populations," with the 3<sup>rd</sup> Annual Age Boom Academy, International Longevity Center-USA in collaboration with the New York Times Company Foundation. New York, NY, November 7, 2002.
115. Discussant, Institute of Medicine Workshop, The Psychological Consequences of Terrorism and Systems for Response, Washington, DC, October 7, 2002.
116. "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.

117. “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.
118. “Protecting the Homeland: A Multi-faceted Response to Bioterrorism (panel),” 2002 National Youth Leadership Forum on Medicine. Washington, DC, July 24, 2002.
119. “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.
120. Keynote, “People’s Role in Biodefense,” at the Maryland Conference on Safety, Health and the Environment. Baltimore, MD, April 24, 2002.
121. “People’s Role in Biodefense,” Luncheon Talk Series of the JHU Faculty and Staff Retirees Association. Baltimore, MD, March 20, 2002.
122. “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.
123. “People’s Role in Biodefense,” at the Lunch Talk Series of the Johns Hopkins Center for Civilian Biodefense Studies. Baltimore, MD, December 17, 2001.
124. “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.
125. “Meeting the Public Health Challenge (panel),” at the *Baltimore Anti-Terrorism Summit* convened by Congressman Elijah E. Cummings. Baltimore, MD, November 19, 2001.
126. “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.
127. “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.
128. “Public Health Preparedness for Epidemics, by Design or in Nature,” at the Northeast Regional Public Health Leadership Institute. Providence, RI, November 5-7, 2001.

129. "Bioterrorism: Public Health Emergency and National Security Threat," at the 2<sup>nd</sup> Annual Decontamination/WMD Symposium. Rockville, MD, September 27, 2001.
130. "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.
131. "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.
132. "Bioterrorism: The Threat of an Intentional Epidemic," at the annual conference of the National Public Health Information Coalition. San Diego, CA, October 26, 1999.
133. "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.
134. "National Security and Worker Discipline in the Nuclear Weapons Complex," Anthropology Colloquium, Johns Hopkins University. Baltimore, MD, October 31, 1996.
135. "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.
136. "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.

## **ADDITIONAL INFORMATION**

A medical anthropologist, I have worked in health security for over 25 years as a researcher and policy analyst/advisor focused on how to collaborate and communicate effectively with private citizens, businesses, and faith- and community-based groups in efforts to strengthen community resilience to disasters and to manage catastrophic health events equitably. I have led a series of working groups comprised of diverse scholars, emergency managers, public health officials, and experts in community mobilization and deliberative democracy, in the development of evidence-based guidance on engaging the citizenry throughout the entire disaster cycle, including the extreme cases of a bioterrorist attack, an influenza pandemic, and nuclear terrorism.

Once community collaboration was codified as a public health preparedness capability for state and local practitioners, my scholarship shifted toward documenting model practices in community engagement as well as uncovering the organizational capacity requirements for health departments to work effectively with community partners. I have played a leading role in demonstrating the application of public involvement in ethically complex policy decisions,

including the allocation of scarce medical resources in disasters and the oversight of gain-of-function research involving pathogens of pandemic potential. I have also worked to deepen understanding of community resilience, developed assessment tools so that progress toward resilience can be tracked, and overseen local demonstration projects so that effective interventions can be identified and replicated.

During the COVID-19 pandemic response, I have led the development of evidence-based recommendations to improve public uptake of COVID-19 vaccinations once they became available, overseen the generation of research-informed guidance to state and local leaders on how to achieve equity in their COVID-19 vaccination campaigns, collaborated in drafting an ethical framework for allocating finite vaccines, advanced an understanding of pandemic mental health challenges, contributed to decision-making guidance for governors on safe reopening strategies, and consulted on crisis standards of care and their communication to the public.

Most recently, I lead a team in the development of measures with which local decision makers could know if and how their efforts to facilitate COVID-19 recovery are working for the socially vulnerable individuals and communities experiencing the greatest losses during the pandemic. I am seeking support for a follow-on project exploring applications of transitional justice and reconciliation to post-pandemic recovery to address the mass trauma and tattered social fabric in the U.S.

In 2025, I will begin an effort, with NSF support, to plan for an academic research center that partners with community stakeholders to advance the understanding, design, and implementation of human-centered infrastructure at the community/public health interface which supports “socially astute” epidemic management.

***Keywords***

Epidemics and Disasters • Society, Culture, Behavior, Ethics • Community Engagement • Community Resilience • Readiness, Response, Recovery • Public Health Emergency • Health Equity • Social Determinants of Health • Ethnographic, Qualitative, and Mixed Methods