

CURRICULUM VITA

RACHEL A. MORELLO-FROSCH, PH.D., M.P.H.

Professor

University of California, Berkeley

Department of Environmental Science, Policy and Management &
School of Public Health

130 Mulford Hall (mailing address)

128 B Giannini Hall (office location)

Berkeley, CA 94720-3114

Phone: 510-643-6358

FAX: 510-643-4361

Email: rmf@berkeley.edu

EDUCATION

University of California, Berkeley

Ph.D. Environmental Health Sciences, School of Public Health, 1998

M.P.H. Epidemiology/Biostatistics, School of Public Health, 1993

B.A. Development Studies (Phi Beta Kappa), 1988

PROFESSIONAL APPOINTMENTS

July 2015-Present: Chair, Society and Environment Division, University of California, Berkeley,
Department of Environmental Science, Policy and Management

July 2012-Present: Professor, University of California, Berkeley, Department of Environmental Science,
Policy and Management (Society and Environment Division) & School of Public Health (Division of
Community Health Science & Environmental Health Science Graduate Group)

July 2007-June 2012: Associate Professor, University of California, Berkeley, Department of
Environmental Science, Policy and Management (Society and Environment Division) & School of
Public Health (Division of Community Health and Human Development)

July 2010-2013: Director, Doctor of Public Health Program, University of California Berkeley, School of
Public Health.

April 2007-July 2007: Associate Professor, Brown University, Department of Community Health, School
of Medicine & Center for Environmental Studies

July 2004- March 2007: Robert and Nancy Carney Assistant Professor, Brown University Department of
Community Health, School of Medicine & Center for Environmental Studies

July 2002-June 2004 : Assistant Professor, Brown University, Department of Community Health, School
of Medicine & Center for Environmental Studies

August 2000-June 2002: Assistant Professor, San Francisco State University, College of Health and
Human Services, Department of Health Education

July 1999-August 2000: National Science Foundation Post-doctoral Research Fellow, University of
California, Berkeley, Energy and Resources Group

January-May 2000: Lecturer, University of California, Berkeley School of Public Health, PH-220C *Risk
Assessment, Policy, and Toxics Regulation*

January-May 1999: Lecturer, University of California, Berkeley School of Public Health, PH-202 *Ethnic
and Cultural Diversity in Health Status and Behavior*

1998-1999: University of California, President's Post-doctoral Research Fellow, University of California, Santa Cruz, Departments of Sociology and Environmental Studies

Spring Semesters 1995 & 1996: Graduate Student Instructor, University of California Berkeley, School of Public Health, Community Health Education Division, PH-202 *Ethnic and Cultural Diversity in Health Status and Behavior*

Spring 1996: Graduate Student Instructor, University of California Berkeley, School of Public Health, Environmental Health Sciences Division, PH-150 *Introduction to Epidemiology and Environmental Health*

1992-95: Research Assistant, University of California Berkeley, School of Public Health, Environmental Health Policy Program, Professor James C. Robinson.

1995: Research Intern, US Environmental Protection Agency, Office of Policy, Washington, DC

1992-1993: Research Assistant, University of California, Berkeley School of Public Health, Maternal and Child Health Program, Professor Sylvia Guendleman

1988-1991, Research and Policy Associate, Equal Rights Advocates, San Francisco, CA

PUBLICATIONS

*Denotes paper written with a student or post-doctoral fellow

BOOKS

Brown P, **Morello-Frosch R**, Zavestoski S (2011) *Contested Illnesses: Citizens, Science and Health Social Movements*. University of California Press, Berkeley CA.

CHAPTERS IN BOOKS AND MONOGRAPHS (REFEREED)

1. **Morello-Frosch R**, Brown P, Brody JG (2017) "Democratizing Ethical Oversight of Research through CBPR." In: *CBPR for Health 2nd edition* Nina Wallerstein, Bonnie Duran, John Oetzel, Meredith Minkler eds., Jossey Bass Press.
2. **Morello-Frosch R** and Pastor M (2016): "Environmental Justice and Vulnerable Populations" in: *Environmental Health*, Howard Frumkin, ed., Jossey Bass Press.
3. **Morello-Frosch R**, Brown P (2014) "Science, Social Justice and Post-Belmont Research Ethics: Implications for Regulation and Environmental Health Science." In: *Science and Technology Studies Handbook*, Daniel Kleinman and Kelly Moore, eds. Routledge.
4. Corder A, Brown P, **Morello-Frosch R** (2014). "Health Social Movements" in William Cockerham, Robert Dingwall, and Stella Quah, eds. Wiley-Blackwell *Encyclopedia of Health, Illness, Behavior, and Society*. Wiley-Blackwell.
5. Corder A, Brown P, **Morello-Frosch R** (2014). "Health" in David Pellow, Joni Adamson, and William Gleason, eds. *Keywords in the Study of Environment and Culture*, New York University Press.
6. **Morello-Frosch R**, Pastor M, Sadd J, Prichard M, Matsuoka M (2012). "Citizens, Science and Data Judo: Leveraging Secondary Data Analysis to Build a Community-Academic Collaborative for Environmental Justice in Southern California." In *Methods for Conducting Community-Based Participatory Research in Public Health*, Second Edition. Barbara Israel, Eugenia Eng, Amy Shultz, Edith Parker, eds. University of Michigan, Jossey-Bass Press.
7. Pastor M, **Morello-Frosch R**, Sadd J, Scoggins J (2013). "Risky Business: Cap-and-Trade, Public Health, and Environmental Justice." In, C.G. Boone and M. Fragkias (eds.), *Urbanization and*

Sustainability: Linking Urban Ecology, Environmental Justice and Global Environmental Change, Human-Environment Interactions 3, DOI 10.1007/978-94-007-5666-3_6.

8. **Morello-Frosch R**, Brown P, Brody JG, Altman RG, Rudel RA, Zota AR, Pérez C (2011). “Experts, Ethics, and Environmental Justice: Communicating and Contesting Results from Personal Exposure Science.” In: *Environmental Justice and the Transformation of Science and Engineering*, Gwen Ottinger, Benjamin Cohen eds, MIT Press.
9. *Zota AR, **Morello-Frosch R** (2011) “Maternal and Child Health Disparities.” *Encyclopedia of Environmental Health*, Elsevier, pp. 630-634
10. Brown P, **Morello-Frosch R**, Zavestoski S, Senior L, Altman RG, Hoover E, McCormick S, Mayer B, Adams C. “Health Social Movements: Advancing *Traditional Medical Sociology Concepts*.” In *Handbook of Health, Illness & Healing: Blueprint for the 21st Century*, Bernice A. Pescosolido, Jack K. Martin, Jane McLeod, and Anne Rogers eds. New York, Springer, 2011.
11. Brown P, **Morello-Frosch R**, Zavestoski S, Senior L, Altman RG, Hoover E, McCormick S, Mayer B, Adams C. Mayer B, Adams C. “Field Analysis and Policy Ethnography in the Study of Health Social Movements.” In: *Social Movements and the Transformation of American Health Care*. Jane C. Banaszak-Holl, Sandra R. Levitsky, Mayer N.Zald eds. Oxford University Press, 2010.
12. Brown P, Adams C, **Morello-Frosch R**, Senior L, Simpson R. “Health, Social Movements: History, Current Work and Future Directions” in *Handbook of Medical Sociology*. Peter Conrad, Chloe Bird, Allan Fremont, and Stefan Timmermans eds. Vanderbilt University Press, 2010.
13. *Shonkoff S, **Morello-Frosch R**, Pastor M, Sadd J (2009) “Environmental Health and Equity Impacts from Climate Change and Mitigation Policies in California: A Review of the Literature.” In: *Cal-EPA Climate Action Team Report*. Publication # CEC-500-2009-038-D. Available at: <http://www.climatechange.ca.gov/publications/cat/index.html>
14. **Morello-Frosch R**, Zavestoski S, Brown P, McCormick S, Mayer B, Gasior R. “Embodied Health Movements: Responses to a ‘Scientized’ World.” In *The New Political Sociology of Science: Institutions, Networks, and Power*. Kelly Moore and Scott Frickel, eds. Madison, WI: University of Wisconsin Press. (2006).
15. Pastor M, Bullard RD, Boyce J, Fothergill A, **Morello-Frosch R**, Wright B: *In the Wake of the Storm: Environment, Disaster, and Race after Katrina*, May 2006 Russell Sage Foundation, New York, NY.
16. **Morello-Frosch R**, Pastor M, Sadd J, Porras C, Prichard M. “Citizens, Science, and Data Judo: Leveraging Community-based Participatory Research to Build a Regional Collaborative for Environmental Justice in Southern California.” In *Methods for Conducting Community-Based Participatory Research in Public Health*. Barbara Israel, Eugenia Eng, Amy Shultz, Edith Parker, eds. University of Michigan, Jossey-Bass Press (2005).

REFEREED JOURNAL ARTICLES

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1. *Casey JA, Karasek, D, Ogburn, EK, Goin D, Dang K, Braveman, PA, **Morello-Frosch R** (2018) Coal and oil power plant retirements in California associated with reduced preterm birth among populations nearby. *American Journal of Epidemiology*. Forthcoming.
2. *Casey JA, Karasek, D, Gemmill A, Ogburn, EK, Goin D, **Morello-Frosch R** (2018) Increase in fertility following coal and oil power plant retirements in California. *Environmental Health*. Forthcoming.
3. *Wang A, Gerona R, Schwartz JM, Lin T, Sirota M, **Morello-Frosch R**, Woodruff T (2018). A Suspect Screening Method for Characterizing Multiple Chemical Exposures among a

Demographically Diverse Population of Pregnant Women in San Francisco. *Environmental Health Perspectives*, In Press.

4. *Varshavsky JR, **Morello-Frosch R**, Woodruff T, Zota A (2018) Dietary sources of cumulative phthalates exposure among the U.S. general population in NHANES 2005-2014. *Environment International* <https://doi.org/10.1016/j.envint.2018.02.029>
5. *Huang, H, Wang A, **Morello-Frosch R**, Lam J, Sirota M, Padula A, Woodruff T (2018) Cumulative Risk and Impacts Modeling on Environmental Chemical and Social Stressors. *Curr Environ Health Rep.* 2018 Feb 13. doi: 10.1007/s40572-018-0180-5.
6. Carrera JS, Brown P, Brody JG, **Morello-Frosch R** (2018) Research altruism as motivation for participation in community-centered environmental health research. *Social Science and Medicine* 2018 Jan;196:175-181
7. *Casey J, James P, Cushing L, Jesdale BM, **Morello-Frosch R** (2017) Race, ethnicity, and income concentration and 10-year change in urban greenness in the United States. *International Journal of Environmental Research and Public Health.* 2017 Dec 10;14(12). pii: E1546. doi: 10.3390/ijerph14121546.
8. McHale CM, Osborne G, **Morello-Frosch R**, Salmon AG, Sandy MS, Solomon G, Zhang L, Smith MT, Zeise L (2017) Assessing Health Risks from Multiple Environmental Stressors: Moving from G×E to I×E, *Mutation Research/Reviews in Mutation Research* <https://doi.org/10.1016/j.mrrev.2017.11.003>
9. *Vesterinen HM, **Morello-Frosch R**, Sen S, Zeise L, Woodruff TJ (2017) Cumulative effects of prenatal-exposure to exogenous chemicals and psychosocial stress on fetal growth: systematic-review of the human and animal evidence, *PLOS ONE*, <https://doi.org/10.1371/journal.pone.0176331>
10. *Casey JA, **Morello-Frosch R**, Mennitt DJ, Fristrup K, Ogburn EL, James P. (2017) Race/ethnicity, socioeconomic status, residential segregation, and spatial variation in noise exposure in the contiguous United States. *Environmental Health Perspectives*, DOI:10.1289/EHP898.
11. Boronow KE, Susmann HP, Krzyzstof GZ, Rudel RA, Arnold KC, Brown P, **Morello-Frosch R**, Havas L, Brody JG (2017) DERBI: A Digital Method to Help Researchers Offer “Right-to-Know” Personal Exposure Results, *Environmental Health Perspectives* 125(2) A27-A33. <http://dx.doi.org/10.1289/EHP702>.
12. Ohayon JL, Cousins E, Brown P, **Morello-Frosch R**, Brody JG. (2017). “Researcher and institutional review board perspectives on the benefits and challenges of reporting back biomonitoring and environmental exposure results.” *Environmental Research* 153: 140-149. DOI: <http://dx.doi.org/10.1016/j.envres.2016.12.003>.
13. **Morello-Frosch R**, Cushing LJ, Jesdale BM, Schwartz JM, Guo W, Guo T, Wang M, Harwani S, Syrago- Petropoulou SSE, Duong W, Park J-S, Petreas M, Gajek R, Alvaran J, She J, Dobraca D, Das R, Woodruff TJ (2016) Environmental Chemicals in an Urban Population of Pregnant Women and their Newborns from San Francisco. *Environ Sci and Technol* DOI: 10.1021/acs.est.6b03492.
14. Solomon GM, **Morello-Frosch R**, Zeise L, Faust J (2016) Cumulative Environmental Impacts: Science and Policy to Protect Communities. *Annual Review of Public Health.* 37:83–96.
15. Cohen AK, Lopez A, Malloy N, Morello-Frosch R (2016) Surveying for Environmental Health Justice: Community Organizing Applications of Community-Based Participatory Research. *Environmental Justice*, 9(5) 129-135. DOI: 10.1089/env.2016.0008

16. Shenassa E, Cohen J, **Morello-Frosch R**, Payne-Sturges DC (2016) Disparities in U.S. Children's Secondhand Smoke Exposure and Income Inequality. *Nicotine & Tobacco Research* DOI: <https://doi.org/10.1093/ntr/ntw293>
17. Sadd JL, Hall E, Pastor M, **Morello-Frosch R**, Lowe-Liang D, Hayes J, Swanson C. (2015) Ground-Truthing Validation to Assess the Effect of Facility Locational Error on Cumulative Impacts Screening Tools. *Geography Journal* Volume 2015, Article ID 324683, Available at: <http://dx.doi.org/10.1155/2015/324683>.
18. Dodson RE, Camann DE, **Morello-Frosch, R**, Brody JG, Rudel RA (2015) Semivolatile Organic Compounds in Homes: Strategies for Efficient and Systematic Exposure Measurement Based on Empirical and Theoretical Factors. *Environmental Science and Technology*. 49 (1), pp 113–122
19. *Shamasunder B, **Morello-Frosch R** (2015) Scientific Contestations Over 'Toxic Trespass': Health and Regulatory Implications of Chemical Biomonitoring. *Environmental Studies and Sciences* DOI 10.1007/s13412-015-0233-0
20. **Morello-Frosch R**, Varshavsky J, Liboiron M, Brown P, Brody J. (2015) The Challenge of Communicating Results in Post-Belmont Era Biomonitoring Studies: Lessons from Genetics, Biobanking, and Brain Imaging Research. *Environmental Research*, 136: 363–372
21. *Cushing L, **Morello-Frosch R**, Wander M, Pastor M (2015) The Haves, the Have-nots and the Health of Everyone: The Relationship Between Social Inequality and Environmental Quality. *Annual Review of Public Health*. 36:193–209
22. Pastor M, **Morello-Frosch R** Integrating Public Health, Community Development and Civic Engagement to Tackle Neighborhood Distress and Promote Community Well-being (2014) *Health Affairs*, 33(11) 1890-1896.
23. Corder A, Rodgers K, Brown P, **Morello-Frosch R** (2014) Firefighters and Flame Retardant Activism. *New Solutions*, Vol. 24(4) 507-530.
24. Brody JG, Dunagan S, **Morello-Frosch R**, Brown P, Patton S, Rudel RA (2014) Reporting individual results for biomonitoring and environmental exposures: Lessons learned from environmental communication case studies. *Environmental Health* 13:40. doi:10.1186/1476-069X-13-40.
25. *Zota A, Shenassa E, **Morello-Frosch R**. (2013) Does allostatic load modify the association between lead exposure and risk of hypertension? *Environmental Health* 2(1):64 doi:10.1186/1476-069X-12-64.
26. Jesdale B, **Morello-Frosch R**, Cushing L (2013) The Racial/Ethnic Distribution of Heat Risk-Related Land Cover in Relation to Residential Segregation. *Environmental Health Perspectives*. 121:811–817.
27. Sadd J, **Morello-Frosch R**, Pastor M, Matsuoka M, Prichard M, Carter V (2014) The Truth, the Whole Truth, and Nothing But the Ground-Truth: Methods to Advance Environmental Justice and Researcher-Community Partnerships. *Health Education and Behavior*, Vol. 41(3) 281–290 (First online in 2013).
28. English P, Richardson M, **Morello-Frosch R**, Pastor M, Sadd J, King G, Jesdale B, Jerrett M (2013) "Racial and Income Disparities in Relation to a Proposed Climate Change Vulnerability Screening Method for California." *International Journal of Climate Change: Impacts and Responses*. 4 (2):1-18.
29. Dadvand P, Parker J, Bell ML, Bonzini M, Brauer M, Darrow L, Gehring U, Glinianaia SV, Gouveia N, Ha EH, Leem JH, van den Hooven EH, Jalaludin B, Jesdale BM, Lepeule J, **Morello-Frosch R**, Morgan GG, Pesatori AC, Pierik FH, Pless-Mulloli T, Rich DQ, Sathyanarayana S, Seo J, Slama R, Strickland M, Tamburic L, Wartenberg D, Nieuwenhuijsen MJ, Woodruff TJ (2013). Maternal Exposure to Particulate Air Pollution and Term Birth Weight: A Multi-Country Evaluation of Effect

- and Heterogeneity. *Environmental Health Perspectives*. 121:367–373.
<http://dx.doi.org/10.1289/ehp.1205575> [Online 6 February 2013] PMID: 23384584.
30. *Balazs C, **Morello-Frosch R** (2012). The Three R's: How Community Based Participatory Research Strengthens the Rigor, Relevance and Reach of Science. *Environmental Justice*. 6(1) 9-16.
 31. *Balazs C, **Morello-Frosch R**, Hubbard AE, Ray I (2012). Environmental justice implications of arsenic contamination: regression analyses of exposure and compliance in community drinking water systems in California's San Joaquin Valley. *Environmental Health*. 11:84.
 32. *Holstius DM, Reid CE, Jesdale BM, **Morello-Frosch R** (2012). Birth Weight Following Pregnancy During the 2003 Southern California Wildfires. *Environmental Health Perspectives* 120:1340–1345 doi:10.1289/ehp.1104515
 33. *Shonkoff S, **Morello-Frosch R**, Pastor M, Sadd JL (2012). "The climate gap: Environmental health and equity implications of climate change and mitigation policies in California- a review of the literature." *Climatic Change*, 109(1): 485-503.
 34. *Cordner A, Ciptlet D, Brown P, **Morello-Frosch R** (2012) "Reflexive Research Ethics for Environmental Health and Justice: Academics and Movement-Building." *Social Movement Studies*, 11(2):161-176 DOI:10.1080/14742837.2012.664898.
 35. *Su JG, Jerrett M, **Morello-Frosch R**, Jesdale B, Kyle AD (2012) "Inequalities in cumulative environmental burdens among three urbanized counties in California." *Environment International*, 40: 79-87.
 36. **Morello-Frosch R**, Zuk M, Jerrett M, Shamasunder B, Kyle AD. (2011) "Understanding the cumulative impacts of inequalities in environmental health." *Health Affairs*, 30(5):879-887.
 37. *Hall L, Iles A, **Morello-Frosch R** (2012) "Litigating Toxic Risks Ahead of Regulation: Biomonitoring Science in the Courtroom." *Stanford Environmental Law Journal*, 31(1):3-47.
 38. Brown P, Brody JG, **Morello-Frosch R**, Tovar J, Zota A, Rudel RA (2011). "Measuring the Success of Community Science: The Northern California Household Exposure Study." *Environmental Health Perspectives*, Published ahead of print: <http://dx.doi.org/10.1289/ehp.1103734> Online 6 December 2011.
 39. *Balazs C, **Morello-Frosch R**, Hubbard A, Ray I (2011) "Social Disparities in Nitrate Contaminated Drinking Water in California's San Joaquin Valley." *Environmental Health Perspectives*. 119:1272-1278. doi:10.1289/ehp.1002878
 40. Sadd JL, Pastor M, **Morello-Frosch R**, Scoggins J, Jesdale B (2011): "Playing It Safe: Assessing Cumulative Impact and Social Vulnerability through an Environmental Justice Screening Method in the South Coast Air Basin, California. *International Journal of Environmental Research and Public Health*. 8: 1441-1459.
 41. Molitor J, Su J, Molitor N, Rubio VG, Richardson S, Hastie D, **Morello-Frosch R**, Jerrett M (2011) "Identifying Vulnerable Populations through an Examination of the Association between Multi-Pollutant Profiles and Poverty." *Environmental Science and Technology* (Published ahead of Print PMID: 21797252).
 42. **Morello-Frosch R**, Brown P, Lyson M, Cohen A, Krupa K (2011) "Community Voice, Vision and Resilience in Post-Hurricane Katrina Recovery." *Environmental Justice* 4(1): 71-80.
 43. *Cohen AK, López, A, Malloy N, **Morello-Frosch R** "Our Environment, Our Health: A Community-Based Participatory Environmental Health Survey in Richmond, CA." *Health Education and Behavior* July 8, 2011, Published ahead of print PMID: 21742947).

44. *Adams C, Brown P, **Morello-Frosch R**, Brody JG, Rudel R, Zota A, Dunagan S, Tovar J, Patton S (2011) Disentangling the exposure experience: the roles of community context and report-back of environmental exposure data. *Journal of Health and Social Behavior* 52(2):180-96.
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46. **Morello-Frosch R**, Jesdale B, Sadd J, Pastor M (2010) “Ambient Air Pollution Exposure and Risk of Low Birth Weight in California.” *Environmental Health*. 9: 44 doi:10.1186/1476-069X-9-44.
47. Rudel RA, Dodson RE, Perovich LJ, **Morello-Frosch R**, Camann DE, Zuniga MM, Yau AY, Just AC, Brody JG (2010) “Semivolatile Endocrine-Disrupting Compounds in Paired Indoor and Outdoor Air in Two Northern California Communities.” *Environmental Science and Technology* 44 (17), pp 6583–6590.
48. *Mayer B, Brown P, **Morello-Frosch R** (2010): “Labor-Environmental Coalition Formation: Framing and the Right-to-Know” *Sociological Forum*, 25(4): 746-768.
49. Brown P, **Morello-Frosch R**, Brody JG, Altman RG, Rudel RA, Senier L, Pérez C, Simpson R (2010) Institutional review board challenges related to community-based participatory research on human exposure to environmental toxins: A case study. *Environmental Health*, 9:39 doi:10.1186/1476-069X-9-39.
50. *Zota AR, Adamkiewicz, A, **Morello-Frosch R** (2010) Are PBDEs an environmental equity concern? Exposure disparities by socioeconomic status? *Environmental Science and Technology*. 44 (15) 5691–5692.
51. **Morello-Frosch R**, Brody JG, Brown P, Altman RG, Rudel R, Perez C “Toxic ignorance and right-to-know in biomonitoring results communication: a survey of scientists and study participants.” *Environmental Health*, 2009 Feb 28, 8:6. (Featured in *Science for Environment Policy*, the European Commission's environmental news service for policy makers, distributed to over 11,000 subscribers. See http://ec.europa.eu/environment/integration/research/research_alert_en.htm)
52. Brody, J.G., **R. Morello-Frosch**, A. Zota, P. Brown, C. Perez and R. Rudel. “Linking Exposure Assessment Science with Policy Objectives for Environmental Justice and Breast Cancer Advocacy: The Northern California Household Exposure Study”, 2009. *American Journal of Public Health*, 99: S600-S609..
53. *Su J, **Morello-Frosch R**, Jesdale B, Kyle A, Jerrett M “An index for assessing cumulative environmental hazard inequalities to socioeconomic and racial-ethnic measures with application to Los Angeles County,” *Environmental Science and Technology*, 2009, 43(20): 7626-34.
54. *Shonkoff S, **Morello-Frosch R**, Pastor M and Sadd J “Minding the Climate Gap: Implications of Environmental Health Inequities for Mitigation Policies in California.” *Environmental Justice*, 2009, 2(4): 173-178
55. Brody, J. G., **Morello-Frosch, R.**, Brown, P., & Rudel, R. A. (2009) Reporting Individual Results for Environmental Chemicals in Breastmilk in a Context That Supports Breastfeeding. *Breastfeeding Medicine*, 4(2), 121–121.
56. *Zota AR, Rudel RA, **Morello-Frosch R**, Brody JG “Response to Comment on “Elevated House Dust and Serum Concentrations of PBDEs in California: Unintended Consequences of Furniture

Flammability Standards?” *Environmental Science and Technology*, 2009 (Feb 25). Available at: <http://pubs.acs.org/doi/pdfplus/10.1021/es9001482>.

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59. *Senier L, Mayer B, Brown P, **Morello-Frosch R**: School Custodians and Green Cleaners: New Approaches to Labor-Environment Coalitions. *Organization and Environment*, 2007 20 (3): 304-324.
60. Brody JG, **Morello-Frosch R**, Brown P, Rudel R, Altman R, Frye M, Osimo CC, Pérez C, Seryak L: “Is It Safe? -- New Ethics for Reporting Personal Exposures to Environmental Chemicals.” *American Journal of Public Health*, 2007 97:1547–1554.
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62. **Morello-Frosch R** and Lopez, R: “The Riskscape and the Colorline: Examining the Role of Segregation in Environmental Health Disparities,” *Environmental Research*, 2006 102(2): 181-196.
63. **Morello-Frosch R** and Shenassa, E: “The Environmental ‘Riskscape’ and Social Inequality: Implications for Explaining Maternal and Child Health Disparities.” *Environmental Health Perspectives*, 2006, 114 (8):1150-1153.
64. **Morello-Frosch R** and Jesdale, B: “Separate and Unequal: Residential Segregation and Air Quality in the Metropolitan U.S.” *Environmental Health Perspectives* 2006, 113: 386-393. [Selected as the 2005 Finalist for the Best Published Paper by the Asian Pacific Islander Caucus of the American Public Health Association.]
65. Pastor M, **Morello-Frosch, R**, Sadd J: “Breathless: Air Quality, Schools, and Environmental Justice in California.” *Policy Studies Journal*, 2006, 34 (3): 337-362.
66. *Greene A, **Morello-Frosch R**, Shenassa E: “Inadequate Prenatal Care and Elevated Blood Lead Levels Among Children Born in Providence, Rhode Island: A Population-Based Study.” *Public Health Reports*, 2006, 121: 729-736.
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78. **Morello-Frosch RA**, Pastor M, Sadd J: "Environmental Justice and Southern California's 'Riskscape': The Distribution of Air Toxics Exposures and Health Risks among Diverse Communities." *Urban Affairs Review*, 2001 36(4): 551-578.
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84. **Morello-Frosch RA**: "The Politics of Reproductive Hazards in the Workplace: Class, Gender, and the History of Occupational Lead Exposure." *International Journal of Health Services*, 1997, 27(3) 501-521.
85. Jang D, Lee D, **Morello-Frosch R**. "Domestic Violence in the Immigrant and Refugee Community: Responding to the Needs of Immigrant Women." *Response*, 1990, (13) 2-7.

PAPERS UNDER REVIEW OR IN PREPARATION

Jesdale B and **Morello-Frosch R** Experiences of racial discrimination in health care settings in relation to residential segregation. Under review

*Cushing, L, **Morello-Frosch R**, Hubbard A Social disparities in the risk of preterm birth during an extreme heat event. Under review.

*Cushing L, Blaustein-Rejto D, Wander M, Pastor M, Sadd J, Zhu A, **Morello-Frosch R**. Carbon trading, co-pollutants, and environmental equity: evidence from California's cap-and-trade program. Under review.

*Cushing L, **Morello-Frosch R**, Jesdale, BM Schwartz, J, Guo W, Guo T, Wang M, Harwani S, Petropoulou SS, Duong W, Park, JS Petreas, M, Gajek, R, Alvaran J, She J, Das, R Woodruff TJ. The Demographics of chemical body burden: Race/ethnicity and nativity as predictors of exposure to environmental chemicals in pregnant women in San Francisco. In preparation.

REFEREED REGULATORY MONOGRAPHS

DeFur P, Evans G, **Morello-Frosch R**, Hubal E, Kyle A, Williams D: "Vulnerability as a Function of Individual and Group Resources in Cumulative Risk Assessment." Published as part of the U.S. Environmental Protection Agency's *Framework for Cumulative Risk Assessment*. Available at www.epa.gov. 2005.

INVITED SUBMISSIONS (NON-REFEREED)

Pastor M, **Morello-Frosch R** (2018) Gaps Matter: Environment, Health, and Social Equity," *Generations* Forthcoming.

Pastor M, **Morello-Frosch R**, Sadd J, Scoggins J "Risky Business: Cap-and-Trade, Public Health, and Environmental Justice." (2012). In: *Linking Ecology, Environmental Justice, and Global Environmental Change: A Framework for Urban Sustainability*. Christopher G. Boone and Michail Fragkias, eds. Springer Press.

Brody, J, **Morello-Frosch R**, Brown P, Rudel RA, Altman RG, Frye M, Osimo C, Perez C, Seryak, L. "New Ethics for Reporting Personal Exposures to Environmental Chemicals." 2008. In: *Perspectives in Medical Sociology*, 4th edition. Phil Brown, editor. Long Grove, IL: Waveland Press.

Brown P, Zavestoski S, McCormick S, Mayer B, **Morello-Frosch R**, Altman, RG. "Embodied Health Movements: New Approaches to Social Movements in Health." 2008. In: *Perspectives in Medical Sociology*, 4th edition. Phil Brown, editor. Long Grove, IL: Waveland Press.

Morello-Frosch RA, Pastor M, Porras C, Sadd J: "Environmental Justice and Regional Inequality in Southern California: Implications for Future Research." In Community Research in Environmental Health: Lessons in Science, Advocacy and Ethics, eds. Doug Brugge and Patricia Hynes, 2005 (reprinted with permission from *Environmental Health Perspectives*).

Pastor M, Sadd J, **Morello-Frosch, RA**: "Making the Case: Environmental Inequality in Los Angeles." Invited book chapter submission: In: The Quest for Environmental Justice. Ed. Robert D. Bullard, Sierra Club Books, (2005).

Pastor M, **Morello-Frosch R**, Sadd J: "LULUs of the Field: Research and Activism for Environmental Justice." Invited book chapter submission in: Professional Advocacy for Social Justice. Ed. Andrew Barlow, Rowman and Littlefield, Lanham, MD (July 2007)

Morello-Frosch, RA: “The Mexican Petroleum Boom: The Dangers of an Oil Euphoria,” *Terra Infirma, A Journal of Development Studies*, Spring, 1987, 2-18.

NON-REFEREED POLICY PAPERS AND MONOGRAPHS

Cushing L, **Morello-Frosch R**, Wander M, Pastor M, Zhu A, Sadd J (2016) A preliminary environmental equity assessment of California’s cap-and-trade program. Available at:

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Kersten E, **Morello-Frosch R**, Pastor M, Ramos M (2012): “Facing the Climate Gap: How Communities of Color Are Leading the Way to a More Sustainable and Equitable California.” October 2012.

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Jerrett M, Su J, Reid C, Jesdale B, Ortega-Hinojosa A, Shonkoff S, Seto E, **Morello-Frosch R** (2012): Mapping Climate Change Exposures, Vulnerabilities, and Adaptation to Public Health Risks in the San Francisco Bay And Fresno. A White Paper from the California Energy Commission’s California Climate Change Center.” Available at: <http://www.energy.ca.gov/2012publications/CEC-500-2012-041/CEC-500-2012-041.pdf>

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https://dornsife.usc.edu/assets/sites/242/docs/The_Climate_Gap_Full_Report_FINAL.pdf

“Neighborhood Context and Breast Cancer,” with Stephanie Roberts and Robert Millikan. Paper commissioned by the California Breast Cancer Research Programs, Special Research Initiative, 2007.

Pastor M, Sadd J, **Morello-Frosch R**: “Still Toxic After All These Years: Air Quality and Environmental Justice in the San Francisco Bay Area.” February 2007. Available at:

http://cjtc.ucsc.edu/docs/bay_final.pdf

“Roadblocks to Health: Transportation Barriers to Healthy Communities,” co-produced with: Center for Third World Organizing, People United for a Better Oakland, and Transportation and Land Use Coalition, October 2002.

Morello-Frosch, R and Pastor, M: “Pollution, Communities, and Schools: A Portrait of Environmental Justice on Southern California’s ‘Riskscape’.” *Different Takes*, Population and Development Program at Hampshire College, Amherst, MA, Spring 2001 No. 12.

Murray-Garcia, J, Herd, D, **Morello-Frosch, R**, Smith, S: “Multicultural Health: Setting the Stage for Innovative and Creative Approaches.” Prepared for The California Endowment, September, 2000.

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Pease WS, **Morello-Frosch RA**, Albright DS, De Roos, AC, Kyle AD, Robinson JR: “Pesticide Contamination of Ground Water in California.” *California Policy Seminar Report*, University of California, 1995, 146 pp.

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MAINSTREAM PRESS ARTICLES AND JOURNAL BLOGS

Casey J, James P, **Morello-Frosch R** (2017) Urban noise pollution is worst in poor and minority neighborhoods and segregated cities (October 17, 2017). *The Conversation*. Available at: <https://theconversation.com/urban-noise-pollution-is-worst-in-poor-and-minority-neighborhoods-and-segregated-cities-81888>

Morello-Frosch R, Pastor M (2016). Don’t forsake poor people in climate fight. *Sacramento Bee* (9/23/2016). Available at: <http://www.sacbee.com/opinion/op-ed/article103539577.html>

Tuller D, **Morello-Frosch R**, Woodruff T (2015) “Physicians Should Talk Frankly About the Risks of Chemical Exposures.” *Health Affairs Blog*. June 25, 2015. Available at: <http://healthaffairs.org/blog/2015/06/25/physicians-should-talk-frankly-about-the-risks-of-chemical-exposures/>

Pastor M, **Morello-Frosch R** (2014) “The Color of Carbon: How the EPA Clean Power Rule Could Help Communities of Color. Commentary, Huffington Post. June 27, 2014. Available at: http://www.huffingtonpost.com/manuel-pastor/the-color-of-carbon-how-t_b_5534912.html

Morello-Frosch R, Pastor M (2012) “Richmond: Looking to a New, Greener Future.” Editorial, Alternet, October 17, 2012. Available at: <http://www.alternet.org/environment/richmond-looking-new-greener-future>

Morello-Frosch R, Pastor M (2012) “Transit Justice: Providing Service and Shipping Out Greenhouse Gases.” Editorial, Alternet, October 17, 2012. Available at: <http://www.alternet.org/environment/transit-justice-providing-service-and-shipping-out-greenhouse-gases>

Morello-Frosch R, Pastor M (2012) “Communities Take Food Justice Into Their Own Hands, One Plot at a Time.” Editorial, Alternet, October 16, 2012. Available at: <http://www.alternet.org/food/communities-take-food-justice-their-own-hands-one-plot-time>.

Morello-Frosch R, Pastor M (2012) “Urban Relief: How One Community Group Is Saving Urban Neighborhoods and Creating Jobs.” Editorial, Alternet, October 15, 2012. Available at: <http://www.alternet.org/environment/urban-relief-how-one-community-group-saving-urban-neighborhoods-and-creating-jobs>

Morello-Frosch R, Pastor M (2012) “Facing the Climate Gap: How Low-Income Communities of Color Are Leading the Charge on Climate Solutions.” Editorial, Alternet, October 15, 2012. Available at:

<http://www.alternet.org/environment/facing-climate-gap-how-low-income-communities-color-are-leading-charge-climate-solutions>

Morello-Frosch, R (2012) “Environmental Policies Must Tackle Social Inequalities.” Editorial, *Environmental Health News*, June 21, 2012. Available at: <http://www.environmentalhealthnews.org/ehs/news/2012/pollution-poverty-people-of-color-op-ed-morello-frosch>.

Morello-Frosch R, Pastor M (2010) “Who Loses if California's Climate Law is Halted?” Opinion Page Editorial *Huffington Post*. April 14 2010. Available at: http://www.huffingtonpost.com/rachel-morellofrosch/who-loses-if-californias_b_537834.html.

Morello-Frosch R., Pastor, M. (2010). “Make a Mess, Clean It Up.” *Huffington Post*. Available at: http://www.huffingtonpost.com/rachel-morellofrosch/make-a-mess-clean-it-up_b_743307.html

Morello-Frosch R. “End Double Jeopardy: New principles can stop us from dumping on minorities and the poor.” *Earth 3.0, Scientific American*. June 2009.

Morello-Frosch R and Pastor M. “The Climate Gap: Is Federal Climate Policy Doing Enough to Narrow the Disparities for People of Color and the Poor?” Opinion Page Editorial, *Huffington Post*. May 30, 2009. Available at: http://www.huffingtonpost.com/rachel-morellofrosch/the-climate-gap-is-federa_b_209355.html

Pastor M, **Morello-Frosch R**, Sadd J “Still toxic after all these years.” Opinion Page Editorial, *San Francisco Chronicle*, February 15, 2007.

Morello-Frosch R, Gallegos B, Pastor M: “Neighborhood Pollution Data at Risk.” Opinion Page Editorial, *San Jose Mercury News*, January 8, 2006.

Brown P, **Morello-Frosch R**: “Effective Disease Prevention Includes Looking at Environment.” Opinion Page Editorial, *Cape Code Times*, December 4, 2005.

Pastor M, **Morello-Frosch RA**: “Assumption is Wrong: Latinos Care Deeply About the Environment.” Opinion Page Editorial, *San Jose Mercury News*, July 8, 2002.

Morello-Frosch RA, Pastor M and Porras C: “Who’s Minding the Air at Your Child’s School?” Opinion Page Editorial, *Los Angeles Times*, June 3, 2001.

Pastor, M, **Morello-Frosch, R**: “Good Social Research Needs Data on Race.” Opinion Page editorial *San Jose Mercury News*, April 20, 2001.

Pastor M, Porras C, **Morello-Frosch, R**: “The Region’s Minorities Face Major Health Risks from Pollution Environment: Justice Demands that the AQMD Cut Emissions.” Editorial, *Los Angeles Times*, March 16, 2000.

INVITED LECTURES & KEYNOTE SPEECHES

“The Combined Effects of Environmental and Social Stress.” 30th Anniversary Superfund Research Program, UC Berkeley, January, 2018.

“Integrating Equity into Climate Change Policy.” Panelist for the Lancet Countdown on Health and Climate Change: The Greatest Global Health Opportunity of the 21st Century, November 2017.

“Assessing the combined effects of environmental and social stress: A review of the evidence and implications for research and policy.” National Institute of Environmental Health Sciences, Children’s Environmental Health Centers Annual Meeting, San Francisco, CA October 2017.

“The Science of Cumulative Impacts: Implications for Community Environmental Health and Regulatory Decision-Making.” Superfund Research Program NIEHS T32 Colloquium, Brown University, May 2017.

- “The Climate Gap: Community-engaged strategies to advance environmental justice and sustainability.” 5th Anniversary Historically Black Colleges and Universities Climate Change Conference, Deep South Center for Environmental Justice, Dillard University, March 2017.
- “The Haves, The Have-nots, and the Health of Everyone: Connections Between Equity and Sustainability.” Cal-EPA Children’s Environmental Health Conference, Sacramento, CA, April 2017
- “How Environmental Justice Moves Science Upstream: Implications for Regulatory Decision-making.” Cal-EPA Office of Environmental Health Hazard Assessment. February, 2017.
- “Bridging the Racial Divide: Putting Environmental Justice into Practice in Environmental Health Philanthropy.” Health and Environmental Funders Network, November 2016.
- “The Haves, the Have-nots and the Health of Everyone: How Community-engaged Science Can Advance Sustainability.” Department of Environmental Studies, Doshisa University, Kyoto Japan, December 2016.
- “The Haves, the Have-nots and the Health of Everyone: How Community-engaged Science Can Advance Sustainability.” Meiji University, Tokyo Japan, December 2016.
- “The Climate Gap.” Urban Environmental Justice in an Era of Climate Change Symposium, University of Washington, November 2016.
- “Environmental Health Equity and Sustainability: What’s the Connection?” Yerby Diversity Lecture, Harvard T.H. Chan School of Public Health, October 2016.
- “Advancing the Rigor, Relevance and Reach of Science through Community Engaged Research.” ANR Conference, Davis, CA October 2016.
- “The Haves, the Have-Nots and the Health of Everyone.” Environmental Health Sciences Annual Colloquium, Columbia University Mailman School of Public Health, September 2016.
- “Advancing the Rigor, Relevance and Reach of Environmental Health Science: The Women Firefighter Biomonitoring Collaborative.” Cal-EPA Department of Toxics Substances Control Seminar, September 2016.
- “Environmental Justice and Race in Public Health.” California Environmental Protection Agency Environmental Justice Symposium, Sacramento, CA August 2016
- “Stressogens and the Environmental Riskscape: Implications for Population Health and Policy.” UCSF Grand Rounds, May 2016.
- “Assessing the combined effects of environmental and social stress: A review of the evidence and implications for research.” National Institute of Environmental Health Sciences, April 2016.
- “Connecting the Dots Between Community-engaged Science and Environmental Sustainability.” Superfund Research Program Annual Meeting, San Juan Puerto Rico, November 2015
- “Educating Biomonitoring Participants About their Exposure to Environmental Chemicals.” Biomonitoring California, Scientific Guidance Panel, Richmond, CA. November 2015.
- “Linking Citizen Science and Social Equity to Advance Sustainability: What's the Connection?” Sustainability Colloquium, University of Southern California, Dornsife College, October 2015.
- “The Future of Environmentalism and Environmental Education.” Panelist with William Cronon, Van Jones, Bill McKibben and Gernot Wagner for the 50th Anniversary Celebration of Environmental Studies at Middlebury College, October 2015.

- “Communicating results in post-Belmont era biomonitoring studies – Implications for researchers and study participants.” Colloquium, University of Cincinnati Department of Environmental Health Sciences, October 2015.
- “The Equity and Environment Nexus.” Colloquium, Stanford University, Department of Earth System Science, September 2015.
- “Closing the Climate Gap through Collaborative Mitigation and Adaptation Strategies.” California Department of Public Health, Richmond, CA September, 2015
- “Environmental Justice and Health Disparities.” Colloquium, National Institute of Minority Health and Health Disparities,” Washington DC, August 2015.
- “Moving Upstream to Address Environmental Health Disparities: Implications for Regulatory Science.” Colloquium, US EPA, Headquarters, Washington, DC, June 2015.
- “The Color Line Reflected in Green: The racial/ethnic distribution of heat risk-related land cover in relation to residential segregation.” California Environmental Protection Agency Conference-- Indicators of Climate Change in California. Sacramento, CA June 2015.
- “Co-Production of Results Communication Protocols for Biomonitoring California”, *Social Science Environmental Health Collaborations Conference*, Northeastern University, Department of Sociology and Anthropology and Health Sciences, Boston, MA, May 2015.
- “Researching environmental exposures in Richmond: A community-engaged process.” UC Berkeley School of Public Health Research Conference, Berkeley CA, May 2015.
- “The Climate Gap: Linkages between Equity and Climate Change Vulnerability.” Institute for Urban and Regional Development Conference, Berkeley, CA, April 2015.
- “Environmental Othering and the Climate Gap.” *Othering and Belonging Conference*, Haas Institute for a Fair and Inclusive Society, UC Berkeley, Oakland CA, April 2015.
- “Advancing the Rigor, Relevance and Reach of Environmental Health Research Through Community-engaged Science.” University of Michigan, School of Public Health, Ann Arbor, MA March 2015.
- “What People and Communities Can Do to Address Land Use Impacts on Health.” Panelist, South Coast Air Quality Management District Conference, Environmental Justice for All. Los Angeles, CA February 2015.
- “Tools for Geographic Based Community Vulnerabilities to Environmental Stressors.” National Academies of Sciences ESEH Committee. December 2014
- “Educating Patients and the Public About Exposure to Environmental Chemicals: What Does the Science Say?” Program on Reproductive Health and the Environment, UCSF, November 2014
- “Hard Times and Environmental Justice.” Invited Panelist, American Sociological Association Conference, 2014, August, 2014, San Francisco, CA.
- “Urban Health and the Political Economy of Risksapes: Cumulative Impacts and Environmental Health Science.” National Academies of Sciences, Institute of Medicine Environmental Health Roundtable, July 28, 2014, Woods Hole, MA.
- “Environmental Health Disparities: Implications for Breast Cancer Research and Community-engagement in Knowledge Production.” California Breast Cancer Research Program, July 18, 2014, Oakland CA.
- “Data Sharing to Advance Environmental Justice: Challenges and Opportunities.” Health and Environmental Funders Network Conference, June 2014, Washington, DC.

- “Environmental Justice Screening for Climate Change Vulnerability.” Workshop on Vulnerability Mapping for Climate Change Risks, California Department of Public Health, California Environmental Protection Agency and California Natural Resources Agency, April 2014, Sacramento, CA.
- “Moving Upstream to Address Environmental Justice Inside and Outside the Classroom.” Duke University, Center for Human Rights Colloquium, February 2014, Durham, NC.
- “The Climate Gap.” University of Illinois, Chicago, Great Cities Institute, Latinos, Environmental Justice and Climate Change Colloquium. February 2014, Chicago, Illinois (with Manuel Pastor).
- “Interactions Between Environmental and Social Stressors. Data Needs, Future Research Trajectories and Strategies for Policy.” Robert Wood Johnson Health Policy Scholars Annual Meeting, Coronado, CA May 2013.
- “The Science of ‘Risksapes’: Implications for Reproductive Environmental Health.” Program on Reproductive Health and the Environment Conference, UCLA, Los Angeles, CA November 2012.
- “Environmental Justice Screening Methods: Strategies for Community Engagement.” Briefing for US EPA Administrator, Lisa Jackson, Los Angeles, CA. February 2012.
- “Comunicando resultados de biomonitorio químico: Desafíos éticos.” Colloquium Lecture for the University of Puerto Rico, Capay, March 2012
- “Logando la justicia ambiental a través de la participación comunitaria en la ciencia de salud pública.” Colloquium Lecture for the University of Puerto Rico, Capay, March 2012
- “The Climate Gap: Inequalities in How Climate Change Hurts Americans and How to Close the Gap.” American Association of Law Schools Annual Conference, Berkeley, CA. May 2012.
- “Environmental Justice Screening Methods: Strategies for Community Engagement.” Bay Area Air Quality Management District. CARE Taskforce Meeting. June 2012.
- “Understanding the Origins and Persistence of Environmental Health Disparities: Implications for Research and Community Engagement in Scientific Knowledge Production.” Directors Seminar, National Cancer Institute, September 2012.
- “Synthesizing the Science on Cumulative Impacts: Implications for Research and Policy-making.” Centers for Disease Control and Prevention/ATSDR. National Center for Environmental Health Director’s Seminar. Atlanta, GA. December 2012.
- “The Science of ‘Risksapes’: Cumulative Impacts of Environmental and Social Stressors.” American Academy of Child and Adolescent Psychiatry Association Meeting, San Francisco, CA October 2012.
- “Moving Upstream to Address Environmental Justice.” Health and Environmental Funders Network, Annual Meeting, Los Angeles, CA March 2011.
- “Understanding the Cumulative Effects of Inequalities In Environmental Health.” Invited Plenary Speaker for Press Briefing and Forum on Environmental Health sponsored by *Health Affairs*, Washington, DC, May 2011.
- “Moving Upstream to Address Environmental Justice: Cumulative Impacts Assessment and Screening Approaches.” Invited Testimony, Clean Air Council, New Jersey Department of Environmental Protection, April 2011.
- “Communicating about Chemical Body Burden.” Podcast for *Environmental Health Perspectives* (with Tracey Woodruff), May 2011.
- “The Science of Cumulative Impacts and Implications for Policy-making.” Invited Plenary Speaker, Grant-makers in Health Annual Meeting, Los Angeles, CA March 2011.

- “Cumulative Impacts Assessment and Screening Strategies—Tools for Decision-making.” Invited Colloquium Speaker (with Manuel Pastor), US EPA Office of Environmental Economics, Washington, DC, October 2010.
- “Improving the Rigor, Relevance and Reach of the Science of Cumulative Impacts.” Invited Plenary Speaker, National Institute of Environmental Health Sciences, Inaugural Public and Environmental Health Program Meeting, Research Triangle Park, NC August, 2010
- “The Climate Gap: Inequalities in How Climate Change Hurts Americans and How to Close the Gap.” Plenary Speaker, National Council of La Raza and the Congressional Hispanic Caucus Meeting, San Antonio, Texas, July 2010.
- “Community Engagement in the Science of Cumulative Impacts.” Invited Colloquium Speaker, Dartmouth College Environmental Studies Department, May 2010.
- “Minding the Climate Gap—Implications for the Implementation of AB32 in California.” Invited Presentation for the California Environmental Protection Agency, Sacramento, CA May 2010.
- “Moving Upstream to Address Environmental Justice: The Political Economy of Place and Cumulative Impacts.” Invited Plenary Talk for US EPA for their conference: Strengthening Environmental Justice and Decision-making: A Symposium on the Science of Disproportionate Environmental Health Impacts, Washington, DC, March 2010.
- “The Climate Gap—How Inequalities in the Impact of Climate Change Affect Americans and How to Close the Gap.” American Planning Association Meeting, San Francisco, February 2010.
- “Climate Change and Air Pollution—Implications for Environmental Health Inequalities, Invited Presentation with CARB Chairman Mary Nichols, American Lung Association Meeting, Sacramento, CA November 2009. :
- “Climate Change and Environmental Justice.” Invited plenary presentation, Sixth Annual California Climate Change Research Symposium, California Environmental Protection Agency and the California Energy Commission, Sacramento, CA September 2009.
- “Looking Ahead: What’s on the Horizon for California’s Environmental Health and Justice Movements.” Invited keynote presentation, The California Wellness Foundation Conference on Environmental Health, San Francisco, CA September 2009.
- “Cumulative Impact, environmental justice, and strategies for communicating personal exposure information.” Invited presentation, American Cancer Society Environmental Health Policy Committee, Oakland, CA August 2009.
- “Background and Framing of Results Communication and Report-back Issues.” Invited presentation to the Scientific Guidance Panel of the California Environmental Health Biomonitoring Program, Oakland, CA, July 2009.
- “Cumulative Impacts Analysis and Opportunities for Climate Justice.” Invited Panelist, West Harlem Environmental Action Conference on Climate Justice, New York, January 30, 2009.
- “An Approach to Assessing Inequalities in Cumulative Impacts.” Presentation to the Cumulative Impacts and Precautionary Approaches Working Group, Cal-EPA and the Office of Environmental Health Hazard Assessment, December 10, 2008.
- “The Right to Know in an Era of Toxic Ignorance: Ethical and Scientific Challenges for Reporting Back Personal Exposures to Environmental Chemicals.” Invited presentation for The Bay Area Breast Cancer & the Environment Research Center, Town Hall Meeting, Oakland, CA, March 1, 2008.
- “Geographies of Environmental Health Inequality,” Environmental Studies Colloquium, University of California, Santa Cruz, CA October 2007.

- “Visualizing Impact and Vulnerability in Communities.” Invited presentation for the California Air Pollution Control Officers’ Association (CAPCOA), Carson, CA September 2007.
- “Still Toxic After all These Years: Environmental Justice, the Bay Area, and Challenges for Future Research and Policy.” Invited lecture for US EPA Region 9 Regional Science Council Seminar (With Manuel Pastor and James Sadd), San Francisco, CA September 2007.
- “Examining Geographies of Inequality in Environmental Health.” Invited panelist for the Association of American Geographers Conference, San Francisco, CA April 2007.
- “Spatial Inequality and Environmental Health Disparities: What’s the Evidence?” Invited panelist for the American Association for the Advancement of Science Conference, San Francisco, CA March 2007.
- “Still Toxic After All These Years.” Invited presentation to the Bay Area Air Quality Management District Executive Committee, March 2007.
- “The Right to Know & the Right to Act: Ethical, Scientific, and Environmental Justice Issues of Biomonitoring.” Invited lecture (with Julia Brody, Executive Director of the Silent Spring Institute) for the Boston Consensus Conference on Biomonitoring, sponsored by Boston University, School of Public Health, Boston, CA, December 11, 2006.
- “Embodying Social Inequality: Segregation and Community Vulnerability to Environmental Hazards.” Invited lecture for the Colloquium on Race, Poverty and the Environment, sponsored by the Department of Environmental Science, Policy and Management, School of Natural Resources, University of California, Berkeley, February 6, 2006.
- “Race, Space and Environmental Health Inequalities.” Invited lecture for the Spring Colloquium Series sponsored by the Center for the Study of Race and Ethnicity in America, Brown University, February 3, 2006.
- “Breast Cancer and Environmental Health Disparities: Implications for Research, Intervention and Policy.” Invited workshop presentation, sponsored by the California Breast Cancer Research Program, Sacramento, California, September 11, 2005.
- “California Dreaming—Separate and Unequal: Segregation and the Distribution of Air Pollution Burdens.” Invited statewide teleconference lecture (“Chairman’s Lecture”) for officials and staff at the California Air Resources Board and the California Environmental Protection Agency.” Sacramento, California, July 20, 2005.
- “The Riskscape and the Colorline: Examining the Role of Segregation in Environmental Health Disparities.” Invited lecture for a workshop: Methods for Assessing Environmental Health Disparities, May 24-25 2005, Ann Arbor, MI., sponsored by the United States Environmental Protection Agency, Office of Children’s Health Protection and the National Institute of Environmental Health Sciences, May 25, 2005.
- “Separate But Unequal: The relationship between residential segregation, air toxics and associated cancer risks.” Invited lecture sponsored by the United States Environmental Protection Agency, Region 1, Conference on the Science of Environmental Justice, Boston, MA May 26, 2004.
- “Citizens, Science and Data Judo: Leveraging Community-Based Participatory Research for Environmental Justice in California,” Invited lecture sponsored by the University of California, San Diego Department of Ethnic Studies and the School of Medicine, San Diego, CA, March 10, 2004.
- “Separate But Unequal: A National Analysis of the Relationship Between Segregation and Air Quality,” Invited lecture for the seminar series on social determinants of health sponsored by the Rhode Island Public Health Association and the Department of Community Health, School of Medicine, Brown University, Providence, RI, December 3, 2003.

- “Citizens, Science, and Data Judo: Environmental Justice Struggles Over the Science of Regulation and Fact-making in Public Health.” Invited plenary paper, American Society for Environmental History, Providence, RI, March 27, 2003.
- “Precaution and Cumulative Impact: Policy Dilemmas for Environmental Regulation and Environmental Justice in California.” Invited lecture, Center for Public Policy and Administration, University of Massachusetts, Amherst, February 27, 2003.
- “Why Addressing Cumulative Impact is Important for Environmental Justice.” California Environmental Protection Agency, Advisory Committee on Environmental Justice. Invited testimony and policy briefing, Sacramento, CA, February 18, 2003.
- “Racism Redux: The Demographics of Toxic Air Release Facilities in 21st Century California.” Invited paper (co-authored with Manuel Pastor), Conference Title: *Nuestro Ambiente: Latinos/as and Environmental Justice* Conference, University of Michigan, Ann Arbor, MI, November 24, 2002.
- “Reading, Writing and Toxics: The Environmental Justice Implications of Ambient Air Toxics Concentrations among School Children in Los Angeles.” Invited Panel Presentation, American Public Health Association Conference, Philadelphia, PA, November 12, 2002.
- “Integrating the Precautionary Principle and Environmental Justice in Research and Policy-making.” Colloquium, Sponsored by the Center for the Study of Race and Ethnicity in America, Brown University, Providence, RI, November 7, 2002.
- “Political Economy of Environmental Discrimination: Airborne Toxics & Environmental Justice in California.” Invited Lecture, International Environmental Health Colloquium, Sponsored by the Henry Luce Foundation & the United Nations Environment Programme, in collaboration with Watson Institute for International Studies on the Environment, Brown University, Providence, RI, April 3, 2002.
- “Assessing Environmental Inequality in Southern California.” Invited policy briefing (with Manuel Pastor and James Sadd), The California Endowment, Los Angeles, CA, January 8, 2002.
- “Science, Citizens and Risk: Conflicts over Pesticides and GMOs.” Invited keynote speech, Californians for Pesticide Reform Annual Conference, University of California, Santa Cruz, CA, October 14, 2001.
- “Environmental Justice and the Geography of Risk.” Invited Lecture (with Manuel Pastor), Colloquium Scripps Institute for the Humanities and Sciences, Scripps College, Claremont, CA November 3, 2001.
- “Environmental Justice, Social Capital, and Lessons Learned from the Field of Social Epidemiology: The Case of Los Angeles.” Invited Lecture, Environmental Studies Colloquium, Sponsored by the Environmental Studies Program and the Department of Community Health, School of Medicine, Brown University, Providence, RI, April 10, 2001.
- “Incorporating Environmental Justice into Regulatory Decision-making.” Invited policy briefing (with Manuel Pastor) for the State of California Governor’s Office of Planning and Research, Sacramento, CA, February 2001.
- “Public Health Implications of Ambient Air Toxics in California.” Invited lecture, United States Environmental Protection Agency, Region 9, San Francisco, CA, January 2001.
- “Air Toxics in California: Using Comparative Risk Assessment to Examine Public Health and Environmental Justice Implications.” Invited lecture, Office of Environmental Health Hazard Assessment, California Environmental Protection Agency, Air Toxicology and Epidemiology Section, Oakland, CA January 2001.

“Environmental Justice and Southern California’s Riskscape: The Distribution of Air Toxics and Associated Health Risks Among Diverse Communities—Implications for Policy and Politics.” Hampshire College, Amherst, MA, October 2000.

“Equity and Southern California’s Riskscape: The Distribution of Lifetime Cancer Risks Associated with Ambient Air Toxics.” Invited briefing for the National Environmental Justice Advisory Commission (NEJAC), advisory committee to the US Environmental Protection Agency Atlanta, Georgia, May, 2000.

CONFERENCE PRESENTATIONS

“The Colorline Reflected in Green.” American Public Health Association Meeting, Boston, MA, November 2013.

“Experiences of Racial Discrimination in Relation to Residential Segregation, American Public Health Association Meeting, Boston, MA, November 2013.

“A Screening Tool for Climate Change Vulnerability Assessments.” American Public Health Association Meeting, Washington, DC, November 2011. (with Paul English)

“Playing It Safe: Assessing Cumulative Impact and Social Vulnerability through an EJ Screening Method.” American Public Health Association Meeting, Washington, DC, November 2011.

“High Allostatic Load Modifies the Effect of Lead Exposure on Risk of High Blood Pressure.” International Society of Environmental Epidemiology Annual Meeting, Barcelona, Spain, September 2011.

“Race and Segregation Modify the Effects of Traffic Pollution on Birth Weight.” International Society of Environmental Epidemiology Annual Meeting, Barcelona, Spain, September 2011.

“When Pollution Gets Personal: Usability Testing with Study Participants for Development of Results Communication Protocols.” International Society of Environmental Epidemiology, Annual Meeting, Barcelona, Spain, September 2011.

“When Pollution Gets Personal: Scientific and Ethical Challenges of Reporting Biomonitoring Results.” AAAS Annual Meeting, Washington, DC, February 2011.

“Does Community Vulnerability Amplify the Relationship between Traffic Exposure and Preterm Birth?”, American Public Health Association Annual Meeting, November 2010.

“Minding the Climate Gap:: Assessing the Equity Impacts of Mitigation Strategies.” American Public Health Association Annual Meeting, November 2010.

“Chemicals in Our Bodies: Developing Report-back Protocols with Input from Study Participants.” Workshop on the Ethics of Reporting Personal Environmental Exposures, Harvard Law School, September 2010.

“Community-based Participatory Exposure Assessment Research in an Environmental Justice Community: Preliminary Results and Communication,” International Society of Environmental Epidemiology Conference, Pasadena, CA September 2008.

“‘Toxic Ignorance’ and the Right-to-Know: Ethical and Scientific Challenges of Reporting Data in Biomonitoring Research,” International Society of Environmental Epidemiology Conference, Pasadena, CA September 2008.

“Air Pollution and Preeclampsia among Pregnant Women in California, 1996-2004.” International Society of Environmental Epidemiology Conference, Pasadena, CA September 2008.

- “The Riskscape and the Colorline: Methodological and Science-Policy Considerations for Addressing Environmental Health Disparities.” American Public Health Association Conference, San Diego, CA, November 2008.
- “The Riskscape and the Colorline: Theoretical and Methodological Considerations for Examining Geographies of Inequality in Environmental Health.” International Society of Environmental Epidemiology Conference, Mexico City, Mexico, September 2007.
- “Experts Ethics and Environmental Justice.” American Association of Geographers Conference, Boston, MA, April 2008.
- “To Know or Not to Know: Ethical and IRB Challenges in Biomonitoring Research.” American Public Health Association Conference, Boston, MA, November 2006.
- “The Right to Know, the Right to Act, and the Right Not-to-Know: Ethical and Scientific Dilemmas of Reporting Data in Body Burden Research.” American Sociological Association Conference, Montreal Canada, August 2006.
- “Tracking, Segregation, and Environmental Justice: Addressing Multi-Level Measures of Socioeconomic Position in Environmental and Public Health Surveillance.” American Public Health Association Conference, Washington, DC November 2004.
- “Social Movements in Health: Responses to and Shapers of a Changed Medical World.” American Sociological Association Meeting, San Francisco, CA August 2004 (Phil Brown, presenter).
- “Addressing Environmental Justice in Environmental and Public Health Tracking: Theoretical and Methodological Considerations.” International Society of Environmental Epidemiology Conference, New York, NY August 2004.
- “Separate and Unequal: Racial segregation & air quality in U.S. metropolitan areas,” International Society of Environmental Epidemiology Conference, New York, NY August 2004.
- “Separate But Unequal? Residential Segregation and Demographic Distributions of Cancer Risks Associated with Air Toxics in California,” American Public Health Association Conference, San Francisco, CA, November 2003.
- “Science, Knowledge and Environmental Causation of Breast Cancer,” American Public Health Association Conference, San Francisco, CA, November 2003.
- “Environmental Justice and Regional Inequality in the Los Angeles Metropolitan Area: Implications for Environmental Health.” American Association of Geographers Conference—Urban Health Session, New York, NY, March 2001.
- “Environmental Justice and Air Toxics in Southern California—An Equal Opportunity Problem?” American Public Health Association Meeting, Boston, MA, November 2000.
- “Approaches Toward Community-based Environmental Health Research: Building Relationships Between Academia and Activism.” Liberty Hill Foundation Environmental Justice Institute, Los Angeles, CA November 2000.
- “Science, Environmental Justice, and the Politics of Market-based Approaches to Environmental Regulation.” International Society for Environmental Epidemiology & International Society for Exposure Assessment Conference, Athens, Greece, September, 1999.
- “Air Toxics and Health Risks in California: The Public Health Implications of Outdoor Concentrations.” International Society for Environmental Epidemiology & International Society for Exposure Assessment Conference, Athens, Greece, September 1999.

- “Decreasing the Gap: Developing a Research Agenda on Socioeconomic Status, Environmental Exposures, and Health Disparities.” (Panel chair and discussant) National Institute of Environmental Health Sciences, Oakland, CA, January 1999.
- “Assessing Cancer Risk from Aggregate Hazardous Air Pollutant Concentrations Across the United States.” American Public Health Association Conference, Washington, DC, November, 1998.
- “Comparative Risk and Environmental Justice: Using Modeling Data to Assess the Distribution of Aggregate Health Risks of Outdoor Hazardous Air Pollutants in California.” American Public Health Association Conference, Washington, DC, November 1998.
- “Environmental Justice: Balancing the Need for Advocacy and Science.” (Session co-chair and discussant) American Society of Epidemiology Conference, San Francisco, CA, September 1998.
- “Assessing Environmental Equity: Methodologies for Using Modeling Data to Examine the Distribution of Air Toxics and Associated Health Risks Among Diverse Communities.” Poster presentation, International Society for Environmental Epidemiology & International Society for Exposure Assessment Conference, Boston, CA, August 1998.
- “Environmental Justice and the Distribution of Air Toxics and Associated Health Risks Among Diverse Communities in California.” Society for Risk Analysis Conference, Washington, DC, December 1997.
- “Theoretical and Methodological Challenges of Environmental Justice Research.” Environmental Studies Colloquium, University of California, Santa Cruz, Santa Cruz, CA, October 1997.
- “Who’s Breathing Bad Air: An Environmental Justice Assessment of Air Toxics in the San Francisco Bay Area.” Poster presentation, University of California Toxic Substances Research and Teaching Program, Santa Cruz, CA, April 1996.
- “Pilot Study of Factors Associated with Pesticide Poisoning Incidents in California Agriculture.” American Public Health Association Conference, Washington, DC, October 1994.
- “The Distribution of Toxic Air Emissions from Toxic Release Inventory Facilities in California.” National Institute of Environmental Health Sciences (NIEHS) Symposium on Health Research and Environmental Justice, Washington, DC, February 1994.
- “Double Jeopardy: The Intersection of Immigration Law and Civil Rights Law and the Impact on Undocumented Women Workers,” American Public Health Association Conference, San Francisco, CA, October 1993.

RESEARCH GRANTS AND SUBCONTRACTS

ACTIVE GRANTS AND CONTRACTS

1P01 ES022841-01 NIEHS/EPA (Woodruff, Director; Morello-Frosch PI, Project 3)

\$471,825, 6/15/13 – 5/31/18

The UCSF Pregnancy Exposures to Environmental Chemicals (PEEC) Children’s Center: The PEEC Children’s Center advances understanding of how exposure to environmental chemicals affects early development using an innovative multidisciplinary approach that integrates research on sources and exposures to environmental chemicals during pregnancy with basic biological research, and translates these scientific findings to healthcare providers, policy makers and community groups in order to improve clinical care and promote policies that prevent prenatal exposures to harmful chemicals. Role: PI on Project 3: Chemicals in Our Bodies: Effects of Prenatal Chemical Exposures and Chronic Stress on Fetal Growth Outcomes.

1R01 ES025158-01, NIH/NIEHS (PI Woodruff, UCSF)

\$499,694, 7/1/16 – 6/30/21

Discovery of Novel Environmental Chemicals in a Diverse Population of Maternal-infant pairs

To propose a new method to more effectively screen and identify chemical exposures in neonates and their mothers for a greater percentage of chemicals highly used in commerce, thus providing a means to significantly improve our understanding of maternal and neonatal exposures, and how these may vary by race/ethnicity and socioeconomic status. Role: Co-PI

UG3/UH3 NIH/NIEHS:

Environmental Influences on Child Health Outcomes (ECHO) (PI Schantz, University of Illinois)

\$495,744, 9/1/16-8/31/2023

Cumulative Effects of Prenatal Stress and Chemical Exposures on Child Development

To integrate two pregnancy cohorts in Illinois and California to assess the impact of exposure of mothers to endocrine disrupting chemicals and chronic stress during pregnancy on both birth outcomes and early neurodevelopment. This research will explore the impact of exposure of mothers to endocrine disrupting chemicals and chronic stress during pregnancy on both birth outcomes and early neurodevelopment. Ultimately, the results will inform intervention strategies, including environmental and social policies that seek to eliminate the double jeopardy of chemical and social stressors on children's health. Role: Co-PI.

#19BB-2900 -California Breast Cancer Research Program

\$885,302, 0/1/2017-9/30/2020

The Women Worker Biomonitoring Collaborative: The goal of this project is to apply targeted and non-targeted methods measure and compare exposures to environmental chemicals and biomarkers of early effect of relevance to breast cancer risk between women firefighters, nurses and office workers in San Francisco.

Role: PI.

NIH: Superfund Hazardous Substance Research and Training Program, (P42 - Martyn Smith, Director)

\$500,000, 9/1/2017-8/30/22

UC Berkeley Superfund Research Center. To apply a step-wise approach to applying exposomics to risk assessment, hazard identification, studying health impacts and the safe and effective remediation of hazardous waste sites containing multiple chemicals through community engagement and research translation. Work also includes development of the Water Equity Science Shop (as part of the community engagement core) a community-academic collaborative to conduct-driven research on drinking water quality among domestic well and small drinking water system users in California's San Joaquin Valley. Role: Lead, Community Engagement Core.

11th Hour Foundation

\$25,000, 9/1/16- 8/30/18

Effect of Oil and Gas Extraction on Birth Outcomes in California.

To support an analysis of oil and gas activities on risk of low birth weight and preterm birth in CA. Role: PI

#11-E0020 (OEHHA)

\$389,500, 8/1/16-12/31/18

Cal-EPA, Office of Environmental Health Hazard Assessment (OEHHA)

Assessing the Equity Impacts of California's Cap and Trade Program. To analyze the GHG and co-pollutant emissions trends among facilities regulated under California's cap and trade program in order to elucidate equity implications for localized emissions within the state. Role: PI.

PENDING

NIH 1R01 PA-16-083 (PI)

Water Equity Science Shop

\$ 3,151,073, 7/1/18 - 6/30/23

The Water Equity Science Shop (WESS), a community-academic collaborative, will implement community-engaged research and multi-level public health actions that address the health risks associated with drinking water contamination in public schools and among California residents in rural, agricultural, and socioeconomically disadvantaged communities that are served by small drinking water systems and private wells that fall outside the purview of drinking water regulations and monitoring requirements.

Role: PI

NIH 1R01 RFA-ES-17-005
\$3,032,353, 7/01/2018-6/30/2023

The overarching goal of this project is to link in utero PBDE/PFAS exposures with perturbations in the human placenta using in vivo and in silico based-approaches. Role: PI

COMPLETED RESEARCH SUPPORT

EPA-G2013-STAR-K1 (Tracey Woodruff, UCSF)
\$75,628 2/1/2014-1/31/2017

A Non-targeted method for measuring multiple chemical exposures among a demographically diverse population of pregnant women in Northern California. To apply quadrupole time-of-flight mass spectrometry (LC-QTOF/MS) to perform a General Suspects Screen for the presence and co-occurrence of over 700 Environmental Organic Acids (EOAs) in pregnant women. Role Co-PI.

#15RD027, CARB

\$20,000, 6/1/2013-6/30/2017

California Air Resources Board: A pilot study to characterize the potential health and equity impacts of oil and gas extraction activities in California. Role: PI

#19BB-2900

California Breast Cancer Research Program (PI):

\$885,010, 9/1/13-08/30/17

The Women Firefighter Biomonitoring Collaborative. To measure and compare exposures between women firefighters and other female civil servants to certain chemicals with potential links to increased breast cancer risk. Role: PI

ES017514, NIH (Brody PI) MPI

\$325,617, 12/1/09-11/30/16,

Ethical and Legal Challenges in Communicating Individual Biomonitoring and Personal Exposure Results to Study Participants. To analyze experiences, values, and attitudes of participants in personal exposure assessment studies and the perspectives of IRB members, researchers, clinicians, and legal experts in order to provide guidance about exemplary practices for ethical protocols to report individual results in personal exposure research. Role: co-PI

#11-336, CARB

\$199,984, 6/1/12-5/31/15

California Air Resources Board: Advancing the Environmental Justice Screening Method: To refine methods of environmental equity analysis by assessing spatial auto-correlation and examining the impacts of industrial, commercial and transportation land use; and develop indicators of neighborhood-scale cumulative impact, community vulnerability, and environmental inequity that can be integrated into regulatory decision-making and enforcement activities. Role: PI

#11-E0020, Cal-EPA, OEHHA

\$247,501, 6/30/12-6/30/15

A review of OEHHA's Cal EnviroScreen Tool: To collaborate with OEHHA in their development of a decision-making tool for integration of environmental hazard and social vulnerability metrics to conduct cumulative impacts screening in California. Role: PI.

Kellogg Foundation (Pastor, PI) MPI \$

30,000, 3/1/2013-2/28/2015

Links between Social Equity and Indicators of Environmental Quality: To conduct a systematic review the literature and empirical analysis examining links between social equity, environmental quality, and health. Role: Co-PI.

Hewlett Foundation MPI
\$75,000, 11/1/2013-10/30/2015

Social Equity and Vulnerability to Climate Change: To conduct research on links between segregation, income inequality and community vulnerability to climate change. Role: Co-PI.

SES -0822724
\$346,000, 9/1/08-8/30/12

National Science Foundation

Toxic Ignorance and the New Right-to-Know

To understand how the proliferation of biomonitoring data and analytical technology is driving stakeholder debates over the future of regulatory science in US and European, evidentiary standards in toxic tort cases in US courts and industrial production decisions. Collaborator: Alastair Iles (UC Berkeley). Role: PI

California Wellness Foundation (MPI)
\$250,000, 1/01/10-12/31/12

The Maternal and Infant Environmental Exposures Project (MIEEP)

To conduct a pilot study of chemical exposures of mothers and their infants, assess sources of exposures and develop transparent, scientifically valid and ethical methods of report-back of study results to individual study participants. Collaborators: Tracey Woodruff (UCSF), Michael Lipsett, (Biomonitoring California.) Role: Co-PI

Hewlett Foundation

Endangered Communities and the Climate Gap

\$55,000, 2/28/2010-3/30/2012

To conduct science – policy research to inform policy-making in California on climate change and environmental justice with a specific connection to AB32 implementation (\$55,000). Collaborators Manuel Pastor (University of Southern California), James Sadd (Occidental College). Role: Co-PI

US Environmental Protection Agency, Regional Applied Research Effort (RARE)
\$89,000, 7/1/08-6/30/10

Integrating Measures of Cumulative Impact and Community-level Vulnerability in a Study of the Association between Adverse Birth Outcomes and Traffic Density in California

To examine the relationship between adverse birth outcomes and exposure to traffic density in California. Collaborators: James Sadd, Occidental College and Manuel Pastor, University of Southern California. Role: Co-PI

California Environmental Protection Agency

Building Interdisciplinary Infrastructure to Conduct Research on Environmental Justice and Climate Change in California

\$480,000, 6/1/2008-5/31/2011

To analyze the equity impacts of climate change and AB32 implementation in California.

Collaborators: Manuel Pastor (University of Southern California), James Sadd (Occidental College): Role: PI

#ES-03-007 (R25) (MPI)
\$960,000, 9/1/04-8/31/08

National Institute of Environmental Health Sciences (NIEHS)

Merging Breast Cancer and Environmental Justice

To link breast cancer and environmental justice issues through a household exposure study for endocrine disrupting chemicals linked to breast cancer. Collaborators: Bill Gallegos, Communities for a Better Environment (Co-Investigator), Julia Brody, Silent Spring Institute (Principal Investigator) and Phil Brown (co-Principal Investigator). Role: Co-PI

National Science Foundation

(MPI)

\$299,999, 3/1/05-12/31/08

The "Research Right-to-Know": Ethics and Values in Communicating Environmental Health Study Results to Individuals and Communities

To examine ethical issues in reporting personal chemical exposure results to individual study participants, and whole communities, through comparison of two study communities that differ widely on race and class composition. Collaborators: Julia Brody, Executive Director of the Silent Spring Institute and Phil Brown, Department of Sociology, Brown University. Role: co-PI.

California Air Resources Board Research Program

Air Pollution and Environmental Justice: Integrating Exposure, Demographics, and Land Use into Regulatory Decision-making and Preventive Screening

\$610,000, 9/1/2005-6/30/2010

To: 1) refine methods of environmental equity analysis by assessing spatial auto-correlation and examining the impacts of industrial, commercial and transportation land use; 2) develop indicators of neighborhood-scale cumulative impact, community vulnerability, and environmental inequity that can be integrated into regulatory decision-making and enforcement activities; and 3) Address data needs identified in the Cal/EPA EJ Advisory Committee Recommendations Report (\$750,000). Collaborators: Manuel Pastor, Latin American/Latino Studies (UC Santa Cruz) and James Sadd, Environmental Sciences and Studies (Occidental College). Role; Co-PI.

Centers for Disease Control

National Environmental Public Health Tracking Program – Network Implementation

1/1/2007-12/31/2009

Assist California's Environmental Public Health Tracking (EPHT) Network by improving the availability and utility of existing data and facilitating the creation of new data to ensure the accessibility of core and other EPHT measures; to leverage EPHT systems to inform policies, practices, and other actions to prevent or reduce illnesses, injury and death related to environmental risk factors. Collaborator (Principal Investigator): Paul English, Senior Scientist, California Department of Health, Environmental Health Investigations Branch. Role: Consultant

National Science Foundation

Disaster, Resilience, and the Built Environment on the Gulf Coast

\$157,032, 1/1/2007-12/31/2009

To study the resilience of the ecological and built environments in coastal communities that endures chronic wind and water damage from hurricanes. This interdisciplinary project builds upon current research on the impacts of Hurricane Katrina, which has identified the places including urban neighborhoods and rural counties that were most affected and has begun to trace the socioeconomic and political process of recovery and rebuilding. Collaborators: John Logan (PI), and Co-PIs Phil Brown (Sociology), Steven Hamburg (Ecology & Evolutionary Biology), John Mustard (Geological Sciences), Scott Bell (Sociology), Brown University. Role: Co-I

National Science Foundation

Hurricane Katrina and the Built Environment:

An Eco-Social Framework for Assessing Spatial and Social Impacts

\$100,000, 12/1/2005-11/30/2006

To study the impacts of Hurricane Katrina, along with the recovery and reconstruction process as it unfolds. Project integrated remotely sensed ecological data with environmental hazard information as well as demographic and socioeconomic data to understand the social and ecological vulnerabilities of impacted communities by race, class and other SES measures. Collaborators included: John Logan (Principal Investigator), Phil Brown (Co-Investigator), Department of Sociology, Steve Hamburg (Co-Investigator) Ecology and Evolutionary Biology, John Mustard (Geological Sciences), Brown University, Role: Co-I

California Environmental Protection Agency—Office of Environmental Health Hazard Assessment

Understanding and Addressing Cumulative Impacts on California Communities

\$449, 875, 12/1/2008-11/30/2009

To develop scientifically valid and publicly transparent analytical methods that identify disparities in environmental hazard exposures and health status for key population groups (by race/ethnicity, socioeconomic status, and other vulnerability indicators) to inform regulatory decision-making, enforcement, activities and policy. Collaborators: Amy Kyle (UC Berkeley—Principal Investigator) and Michael Jerrett (UC Berkeley—Co-Investigator). Role: Co-I

The California Endowment

Building a Regional Voice for Environmental Health in Southern California-- Phase II:

\$960,000, 1/1/2007-12/31/2009

To build on gains and lessons learned, leverage new opportunities, and grow the *Building a Regional Voice for Environmental Health Collaborative's* (capacity to impact health and wellness of at-risk communities of color in Southern California. This Collaborative involves an academic/community-based partnership (3 academic collaborators—UC Berkeley, UC Santa Cruz, and Occidental College-- and 5 community collaborators) combining economic and environmental health research, policy advocacy, and public education to improve environmental health in low-income communities of color in Southern California. Role: Co-PI.

Centers for Disease Control and Prevention

Centers of Excellence for Environmental Public Health Tracking,

University of California, Berkeley

\$40,000, 9/1/2002-8/31/2005 and 9/1/2005-8/31/2008

To design methods that identify and assess disparities in environmental exposures and health status, including developing methods to assess patterns of emissions, exposures, and disease by key population groupings, including race/ethnicity and socioeconomic status, to allow for assessment of disparate patterns. Role: Consultant

The California Endowment:

San Francisco Bay Area Environmental Health Collaborative:

\$600,000, 7/1/2004-6/30/2007

To support academic research, secondary grant-making, community organizing, advocacy, and public education with the aim of impacting public policies and improving health outcomes for environmentally at-risk communities in the San Francisco Bay Area. The project partners were: Communities for a Better Environment (CBE); the Center for Justice, Tolerance and Community at the University of California at Santa Cruz (CJTC); and The San Francisco Foundation. Role: Co-PI.

Brown University Office of Research Administration, Research Seed Grant Award
Middle East Environmental Futures: Management of the Wadi Khalil/Nahal Besor Environmental Borderscape

\$60,000, 9/1/2004-8/31/2005

To convene an interdisciplinary environmental investigation of a transboundary Israeli-Palestinian watershed. The as part of the Middle East Environmental Futures project, an interdisciplinary group of Israeli and Palestinian scholars convened by environmental and sociology researchers at Brown University's Watson Institute of International Studies. Collaborators included: Steven Hamburg (PI) (Environmental Studies, Ecology and Evolutionary Biology, and Watson Institute), Brian O'Neill (Watson Institute), Jeff Albert (Geological Sciences and Environmental Studies), and Calvin Goldscheider (Sociology and Judaic Studies) Role: Consultant

California Wellness Foundation
Children's Health and Environmental Justice

\$100,000, 10/1/2001-11/30/2004

Supported research on the distribution of toxics and associated cancer and non-cancer health risks among school children in California. Academic collaborators: Manuel Pastor (University of California, Santa Cruz) and James Sadd (Occidental College). Role: Co-PI.

Brown University Salomon Research Grant
Social Inequalities and Links to Disparities in Community Environmental Health.

\$15,000, 6/1/2003-11/30/2004.

Seed monies to conduct quantitative analysis and develop political economy frameworks for understanding the origins of environmental inequality and elucidating possible paths for intervention and policy-making to address disparities in community exposures to air pollution and their associated health risks. Role: PI (\$15,000)

The Ford Foundation
Regional Equity, Public Health and Environmental Justice: Assessing Opportunities for Research and Policy \$20,000, 7/1/2003-3/31/2004

Conduct a survey of current advocacy work and academic research initiatives that seek to integrate issues of regional economic equity, environmental health, and social justice. Issues of measurement, data collection strategies as well as policy tactics will be examined. Role: PI

The California Endowment
Building a Regional Community-Based Voice for Environmental Health and Justice, Phase I
\$975,000, 9/1/2001-3/30/2004

To support an academic/community-based partnership combining economic and environmental health research, policy advocacy, and public education to improve environmental health in low-income communities of color in Southern California. Collaborative partners included researchers from the University of California, Santa Cruz, Occidental College, Communities for a Better Environment, and Liberty Hill Foundation Collaborators on this grant (\$975,000 of which \$270,000 was for research) were Manuel Pastor (University of California, Santa Cruz) and James Sadd (Occidental College). Role: Co-PI.

National Science Foundation Research Starter Grant

\$30,000, 5/1/2001-6/30/ 2002

To launch academic research initiative on environmental health inequalities. Role: PI

US Environmental Protection Agency, Washington, DC

Air Toxics and Children's Health

\$15,000, 9/1/2000-8/31/2001

To examine the impacts of outdoor air toxics on children's health, including chronic and acute respiratory illnesses such as asthma. Work with agency scientists includes the development of new, policy-relevant indicators to assess health outcomes and respiratory risks. Role: PI.

SERVICE

UNIVERSITY SERVICE

American Cultures Curriculum Review Committee, Berkeley Academic Senate, 2011-2015

Energy and Resources Group, Faculty Affiliate, 2010-Present

Environmental Health Sciences Graduate Group, Faculty Affiliate, 2011-Present

Berkeley Institute of the Environment, Search Committee, 2011-2012

Library Prize Selection Committee, 2011, 2012, 2013

Ciriacy Wantrup Post-doctoral Fellowship Selection Committee, 2011-Present

Center for Latino Policy Research, Faculty Affiliate 2008-Present

School of Public Health:

Director, Doctor of Public Health Program, 2010-2013

Haas Diversity Research Initiative, Member of Health Diversity Cluster 2007-Present and Search Committee Member and Diversity Officer, September 2007-April 2008.

Management Committee, DrPH Program, May 2008-Present

Minority Concerns Committee, Member, January 2008-Present.

Division of Community Health Science, MPH Graduate Admissions Committee

Robert Wood Johnson Foundation Health & Society Scholars Program, Faculty Affiliate, July 2008-2016

Labor and Occupational Health Program, Faculty Advisory Committee, September 2009-Present

Department of Environmental Science, Policy and Management:

Chair, Society and Environment Division, Department of Environmental Science, Policy and Management 2014-Present

Equity Officer, 2012-2015

Endowed Chair Award Committee, 2011-Present

Adkins Center for Weight and Health Advisory Committee, 2015

Undergraduate Program Committee, September 2007-2015

Executive Committee, College of Natural Resources 2009-2013

Co-convener, Science Technology and Environment Working Group in Society & Environment Division

COMMUNITY SERVICE

Grist Magazine (<http://www.grist.org/>), Chair, Board of Trustees, Seattle, WA, February 2008-Present

Breast Cancer Action (www.bcaction.org), San Francisco, CA

Scientific Advisory Board member, 2001-Present

Former board chair 2000-2002
Breast Cancer Fund, San Francisco, CA
Scientific Advisory Panel member, 2010-Present
Collaborative on Health and the Environment, Cumulative Impacts Working Group
Scientific Advisor, 2011-Present
Environmental Leadership Program (www.ELPnet.org), Boston, MA
Co-Founder and Board of Trustees Chair, 1999- 2005

PROFESSIONAL SERVICE & CONSULTANCIES

Editorial Review Board, *Environmental Health Perspectives*, 2009-2017

Editorial Review Board, *Environmental Health*, 2010-Present

California Department of Public Health

Richmond, California

July 1, 2008-June 30, 2010

To provide research and technical support to the California Environmental Contaminant Biomonitoring Program (CECBP) personnel in developing plans for results communication for biomonitoring participants.

Breast Cancer and Chemicals Policy Expert Panel

San Francisco, California

April 2009-September 2010

A multidisciplinary panel to evaluate the existing scientific literature on causal pathways and suspected chemicals implicated in breast cancer and to identify significant gaps in current knowledge. The panel will outline a strategy for identifying chemicals suspected in the development of breast cancer and how toxicity testing methods can be used by California to pursue more effective management of chemicals

Research Screening Committee, California Air Resources Board (CARB)

Sacramento, California

August 2003-Present

This committee of scientists reviews proposals and allocates state funds to support research on air quality and human health in the state of California.

California Breast Cancer Research Program, New Research Initiatives Strategic Planning Team

Oakland, California

September 2006-December 2008

This scientific committee will develop a new research funding initiatives for the CBCRP, which is the largest state-funded breast cancer research program in the country. Since 1994 the Program has funded over \$174 million in research grants to 89 institutions across the state.

Environmental Scorecard (www.scorecard.org)

1997-2001

Environmental Defense Fund, Oakland, CA

William Pease, Research Scientist and Project Director

To develop the Hazardous Air Pollutant and environmental health and justice data layers for *Environmental Scorecard*, a project that consolidates databases and health risk information related to environmental pollution in a way that is accessible to community-based organizations and policy-makers on the Internet.

Natural Assets Project

November, 2000-2001

Political Economy Research Institute

Department of Economics, University of Massachusetts, Amherst

Executive Director, Professor James K. Boyce

Supported by the Ford Foundation, project aims to promote critical analysis, research and cross-disciplinary discussion of the potential for natural assets building to advance the goals of poverty reduction, environmental protection, and environmental justice.

Environmental Health and Justice Project

January, 2001-May 2002

Silicon Valley Toxics Coalition, San Jose, CA

Executive Director, Ted Smith; Program Director, Jay Mendoza

Consulting on a Silicon Valley environmental justice community partnership that seeks to address the health risks and social impact of the computer industry on residents and semi-conductor workers. The National Institute of Environmental Health Sciences (NIEHS) awarded the partnership a three-year grant.

San Francisco Foundation, San Francisco, CA

December 2000-February 2001

Jane Rogers, Environmental Program Officer

December 2001-February 2002

One of four grant reviewers that determined distribution of \$400,000 in grants from the Bay Fund, to support research, restoration and pollution prevention efforts for the San Francisco Bay Estuary and its watersheds.

The California Endowment, Los Angeles, CA

March-August, 1999

Jai-Lee Wong, Program Officer

Researched and co-authored concept paper and annotated bibliography for the Board of Trustees of the Foundation to support the formation of a Multi-Cultural Health Institute.

Environmental Health Coalition, San Diego, CA

February-March, 1999

Diane Takvorian, Executive Director

Conducted risk assessments on ambient air toxics data for San Diego County. Consulted on the development of press materials and display maps to publicly release study results for a Clean Air Summit.

Department of Defense Breast Cancer Research Program, Washington, D.C.

October, 1998 & August, 1999

Member of scientific review panel that allocated federal grants in support of breast cancer research. Reviewed research proposals in the fields of radiation oncology and molecular genetics.

Líderes Campesinas (Women Farm Worker Leadership Project), Pomona, CA, 1996-1997

Consulted on development of a certification program to train women farm workers to conduct community education on the federal worker protection standard for pesticide use.

Environmental Law Foundation, Oakland, CA

1993-95

Conducted a distributional analysis of air toxics emissions from manufacturing and non-manufacturing facilities in the San Francisco Bay Area. Co-authored a technical report.

PROFESSIONAL MEMBERSHIPS

American Public Health Association

Society for Risk Analysis

International Society for Environmental Epidemiology

American Association for the Advancement of Science

REFEREE

American Journal of Public Health
Antipode
Applied Environmental Science and Public Health
Atmospheric Environment
Bulletin of the World Health Organization
Environmental Health Perspectives (Editorial Board)
Environmental Health (Editorial Board)
Environmental Research
Environmental Management
Environment and Planning A
Environment and Planning C
Environmental Science and Technology
International Journal of Toxicology
Lancet
MIT Planning Journal (Special Editorial Board)
Jossey-Bass
Journal of the Air and Waste Management Association
Journal of Exposure Assessment and Epidemiology
Journal of Epidemiology and Community Health
Journal of Urban Affairs
Minnesota Press
Social Problems
Social Science Quarterly
Temple University Press
UC Press
University of Arizona Press
University of Chicago Press
Urban Affairs Review

AD HOC REVIEWER

National Institute of Environmental Health Sciences
National Institute of Minority Health and Health Disparities
National Science Foundation

FELLOWSHIPS, HONORS AND AWARDS

Committee on Teaching Excellence Award, University of California, Berkeley School of Public Health, Spring 2015 and 2017

Chancellor's Award for Research in Public Service, University of California, Berkeley, 2012

Damu Smith Environmental Health Achievement Award, Environment Section, American Public Health Association, 2010.

William G. McLoughlin Award for Teaching Excellence in the Social Sciences, Brown University, 2006

Richard and Nancy Carney Endowed Chair, Brown University, 2004

Salomon Research Grant, Brown University Office of Research Administration, 2003-2004

National Science Foundation Research Starter Grant, 2001-2002

Professional Research and Development Award, San Francisco State University, 2001

US EPA's Science and Technology Achievement (STAR) Award for the Cumulative Exposure Project. (with Tracey Woodruff, Daniel Axelrad, Jane Caldwell & Arlene Rosenbaum) Nominees chosen by the US EPA's Science Advisory Board for scientific publications of high scientific quality that provide an important contribution to the policy process), 2001

National Science Foundation Post-doctoral Fellowship, 1999-2000

California Public Health Association – Award for Outstanding Student Contribution to Community-based Research, 1999

University of California President's Post-doctoral Fellowship, 1998-1999

Switzer Environmental Leadership Award, The San Francisco Foundation, 1997

Phi Beta Kappa Fellowship, 1997

Russell M. Grossman Endowment Award, University of California, Berkeley School of Public Health, 1996-97

Toxic Substances Research and Teaching Program Fellowship,
University of California, 1995-97

Switzer Environmental Fellowship, The San Francisco Foundation, 1995-96

Outstanding Graduate Student Instructor Award, 1995

Mentored Research Fellowship, UC Berkeley, 1994-95

Graduate Opportunity Program Fellowship, UC Berkeley, 1993-94

Public Health Traineeship Award, UC Berkeley, 1992-93

TEACHING

UC Berkeley

ESPM 197/PH 160: *Environmental Health and Development*

Upper Division Undergraduate Course examines the health impacts of environmental alterations resulting from development efforts and other human activities in developing and developed countries and regions. The class employs methodological development and case studies to understand and interpret scientific information and to incorporate a global perspective on environmentally mediated diseases in diverse populations. Case studies explore the health implications of water management and treatment; population change; toxics and industrial disasters; energy resource development; indoor and outdoor air pollution; climate change; industrial agriculture and chemical/pesticide use; the global food chain and environmental inequality. Enrollment: ~150-210 students

PH 202B/ESPM 290: *Ethnicity, Race, and Culture in Health Status*

Graduate seminar examines ethnic and cultural differences in health status and behavior among historically marginalized communities in the United States, including African-Americans, Latinos, Asian-Americans, Native Americans as well as sexual minorities and groups from non-Western societies. Materials and lectures draw from the epidemiological, anthropological, and demographic literature as well as relevant social theory (e.g. social class, acculturation, race theory and class theory) to understand the influence of ethnicity, socio-cultural, and class background on concepts of health, illness, and health seeking behaviors among diverse communities. The implications of cultural diversity for public health policy and intervention programs are also explored. Enrollment: ~15-25 students

ESPM 198: *Senior Capstone Seminar in Society and Environment Major*, Department of Environmental Science, Policy and Management

Course goal is for students to formulate and pursue a research question associated with their concentration area in the Society and Environment major and prepare an oral presentation of their work at the end of the semester. Enrollment: ~25-35 students

ESPM 194: *Capstone Seminar in Conservation and Resource Studies*, College of Natural Resources

Course goals for students included: 1) prepare a research seminar and a paper on a topic directly related to their "Area of Interest" (AOI); 2) contribute information, critiques and opinions in seminars and discussions led by other members of the class; 3) strengthen library and internet research skills for work on environmental topics pursued in their future careers; 5) strengthen capacity to communicate complex scientific ideas and environmental perspectives to a broader public through a media outlet. Enrollment: ~20-25 students.

Brown University:

ES 172: *Environmental Justice: The Science and Political Economy of Environmental Health and Social Justice* (Center for Environmental Studies, Department of Community Health, School of Medicine, and the Center for the Study of Race and Ethnicity in America, Brown University)

This course seeks to engage students to develop theoretical and quantitative approaches for understanding the origins and persistence of environmental discrimination. The course examines the regulatory, institutional, structural, political, and economic forces that underlie patterns of race and class-based discrimination and their implications for human health impacts among diverse communities. Students explore competing theoretical, historical, and legal frameworks for understanding the intersection of race/racism and class formation in the United States and their relationship to current patterns of environmental discrimination. Empirical evidence is then examined regarding: distributions of environmental quality and health; access to resources to influence and resist siting decisions and industrial development; and the broader political-economy of decision-making regarding environmental and health issues. Subject areas include: siting of locally unwanted land uses; disparate impact of environmental hazards on human health among the poor and people of color; conflicts in urban planning and regional development; workplace health and safety; and concepts of international environmental justice in the context of global warming debates and the international trade of wastes.

ES-171 *Environmental Health and Policy* (Center for Environmental Studies and Department of Community Health, School of Medicine, Brown University) This course examines the scientific and public policy conflicts for addressing environmental factors impacting human health. Students develop a basic knowledge of the methods of risk assessment and communication needed in interdisciplinary contexts to address environmental problems. The first part of the course covers environmental hazard identification; exposure assessment and fate and transport of environmental toxics; risk assessment, management and communication; and principles of data interpretation and application to environmental policy-making. Problem sets and a midterm examination help students practice and develop their skills in specific qualitative and quantitative risk assessment methods for cancer and non-cancer risk assessment, and concepts of exposure assessment and hazard identification. The second part of the course covers science-policy issues and case studies in order to present methodological information in the context of specific problems in the environmental policy-making arena. Issues related to the role of science in environmental policy-making, regulatory enforcement activities and community organizing will be elucidated by examining various issue areas, including: air and water pollution, environmental justice, the precautionary principle, and market-based regulation.

San Francisco State University

HED-825 *Epidemiological Methods* (College of Health and Human Services, San Francisco State University)

Graduate-level survey course of epidemiological principles and methods for master's of public health and nursing students. Includes a history and overview of the field, using contemporary case studies and an examination of the methods used to study disease distributions in diverse human populations. Curriculum emphasizes theories of disease causation, concepts of risk, transmission, and prevention. Quantitative approaches to study design and data analysis are also covered. I also taught a modified version of this course for undergraduate students.

HED-855 *Environmental Health* (College of Health and Human Services, San Francisco State University)

Graduate-level course gives students with a comprehensive understanding of the environmental factors impacting human and ecological health, including the consequences of natural and anthropogenic hazards. The relative contributions of individual consumer choices, (e.g., household recycling) and government policies, (e.g., enforcement of Superfund legislation) to local, national and global environmental health, are explored. A common thread running through the course will be the incorporation of a global perspective on burden of disease with environmental justice principles.

UC Berkeley (Graduate School and Post-doctoral Fellowship)

PH-220C *Risk Assessment, Policy, and Toxics Regulation* (School of Public Health, UC Berkeley, team taught with Professors James Robinson and William Pease)

Graduate-level course introduces basic scientific components of environmental and occupational risk assessment and the policy context in which decisions to manage environmental health risks are made. Course provides broad overview of environmental and occupational health laws.

PH-202 *Ethnic and Cultural Diversity in Health Status and Behavior* (School of Public Health, University of California, Berkeley) Graduate course examines relevant sociological and anthropological theories on the influence of ethnic, cultural, and class backgrounds on concepts of health, illness, and health seeking behavior among US minority communities.

THESIS AND DISSERTATION ADVISING – UNIVERSITY OF CALIFORNIA, BERKELEY

Doctoral (Ph.D. and DrPH):

Completed:

*Bhavna Shamasunder, Dissertation Chair

Department of Environmental Science, Policy and Management, 2007-2011

National Science Foundation Graduate Fellowship Recipient

Currently Assistant Professor, Urban Environmental Studies Program, Occidental College

*Carolina Balazs, Dissertation Co-Chair

Switzer Environmental Fellowship Recipient

EPA STAR Fellowship Recipient

Energy and Resources Group, 2007- 2011

Currently President's Post-doctoral Fellow, University of California, Davis

*Seth Shonkoff, Dissertation Chair

Department of Environmental Science, Policy and Management, 2007- 2012

Currently Post-doctoral Fellow, University of California, Berkeley & Executive Director, Physicians, Scientists and Engineers for Healthy Energy

*Miriam Zuk, Dissertation Co-chair, Orals exam committee member

Department of City and Regional Planning, 2009-2013

- Currently Post-doctoral Fellow, University of California, Berkeley, Department of City and Regional Planning.
- *David Tuller, Dissertation Chair and oral exam committee member
Doctor of Public Health Program, School of Public Health, 2009-2013
Currently Director of the Joint MPH/Masters of Journalism Program, UC Berkeley & Freelance
Science Reporter for *New York Times* and other outlets
- Analilia Garcia, Orals Committee Chair
Doctor of Public Health Program, School of Public Health, 2009-2011
Lecturer, San Jose State University
- Maggie Ghaddis, Dissertation Committee Member, and Orals Committee Chair
Doctor of Public Health Program, School of Public Health, 2008-2010
Currently working for Los Angeles Department of Public Health
- *Ellen Kersten, Dissertation Chair
EPA STAR Fellowship Recipient
Department of Environmental Science, Policy, and Management, 2009-2014
Currently Post-doctoral Fellow at University of California, San Francisco
- *Lara Cushing, Dissertation Chair and Orals exam committee member
EPA STAR Fellowship Recipient
Switzer Environmental Fellowship Recipient
Energy and Resources Group, 2011-2015
Assistant Professor at San Francisco State University, Department of Health Education
- Kendra Klein, Dissertation Committee Member, Orals exam committee member
Department of Environmental Science, Policy and Management, 2008-2014
Currently research scientist, Physicians for Social Responsibility
- David Holstius, Dissertation Committee member, Orals exam committee chair
EPA STAR Fellowship Recipient (Declined)
Environmental Health Sciences, School of Public Health, 2011-2014
Currently research scientist, Bay Area Air Quality Management District
- *Solange Gould, Dissertation Chair and orals exam committee member
Doctor of Public Health Program, School of Public Health, 2011-2015
Currently Policy Unit Chief-Office of Health Equity, California Department of Public Health
- *Ryan Pettaway, Dissertation Chair and orals exam committee member
Doctor of Public Health Program, School of Public Health, 2011-2015
Graduate Student Mentorship Fellow
Kaiser Permanente Community Scholars Fellow
Lindheim Award Recipient
Currently Assistant Professor, Portland State University
- Heather Arata, Outside Dissertation Committee Member
Department of City and Regional Planning, 2015-2016
- *Guillermo Jaimes, Dissertation Chair, 2011-2016
Department of Environmental Science, Policy and Management, 2011-2017
Chancellor's Opportunity Fellowship
Currently Fogarty Post-doctoral Fellow and Assistant Professor, Pomona College (2017)
- *Julia Varshavsky, Dissertation Chair
Division of Environmental Health Sciences, School of Public Health, 2011-2017
EPA STAR Fellowship Recipient
NSF SAGE Fellowship Recipient
Currently Post-doctoral Fellow, UCSF Program on Reproductive Health and the Environment
- *Carolina Prado, Dissertation Co-Chair, Orals exam committee member.
Department of Environmental Science, Policy and Management, 2013- 2017

NSF Dissertation Fellowship Recipient
Ford Foundation Doctoral Fellowship Recipient
Switzer Environmental Fellowship Recipient
Currently Switzer Environmental Leadership Post-doctoral Fellow
Michael Harvey, Orals Committee Chair and Dissertation committee inside member
Doctor of Public Health Program, UC Berkeley School of Public Health, 2015-2017
Currently, Assistant Professor of Health Education, San Jose State University
Miriam Solis, Dissertation committee outside member
Department of City and Regional Planning, 2017-2018
Currently Assistant Professor of Planning and Architecture, University of Texas, Austin.
Jane Flegal, Dissertation Committee inside member 2016-2018
Currently Program Officer Spitzer Family Foundation

Current:

*Freyja Knapp, Dissertation Chair
Department of Environmental Science, Policy and Management, 2008-Present
EPA STAR Fellowship Recipient
*Jessica Trowbridge, Dissertation Chair
Division of Environmental Health Sciences, School of Public Health 2015-Present
TRT Fellowship Recipient
*Kathy V. Tran, Dissertation Chair
Division of Environmental Health Sciences, School of Public Health, 2014-Present
Member on EPA's youth climate change advisory committee
NSF SAGE Fellowship Recipient
*Chryl Corbin, Dissertation Chair,
Department of Environmental Science, Policy and Management, 2015-Present
NSF Dissertation Fellowship Recipient
*Julie Gorecki, Dissertation co-Chair
Department of Environmental Science, Policy and Management, 2015-Present
*Jessica Goddard, Orals Committee member and Dissertation Co-Chair
Energy and Resources Group, 2017-Present
Yang Ju, Orals Committee outside member and dissertation committee outside member
Department of Landscape Architecture, 2017-Present
Melina Packer, Orals Committee Inside Member and Dissertation Committee Inside member
Department of Environmental Science, Policy and Management
Akos Kokai, Orals Committee member and Dissertation Committee Inside Member
Department of Environmental Science, Policy and Management, 2015-Present
Diane Garcia Gonzales, Oral Exam Chair and Dissertation committee inside member
Division of Environmental Health Sciences, School of Public Health, 2016-present
Jessica Aun, Orals Exam Chair and Dissertation Committee Inside Member, 2016-Present
Melody Tulier, Orals Exam Chair, 2016
Doctor of Public Health Program, School of Public Health
Noriko Kusumi, Orals Exam Chair, 2016
Department of Environmental Science, Policy and Management
Frances Roberts Gregory, Orals Exam Chair, 2017
Department of Environmental Science, Policy and Management

Post-doctoral Mentoring:

Joan Casey, Robert Wood Johnson Health and Society Program, UCSF and UC Berkeley, 2014-2016;
2016-Present (NIH K99/R00 mentor)

William Jesdale, School of Public Health and Department of Environmental Science, Policy and Management, UC Berkeley, 2008-2011.

Currently Research Professor at University of Massachusetts, Worcester Medical School.

Ami R. Zota, Program on Reproductive Health and the Environment, University of California, San Francisco, 2009-2013.

Currently Assistant Professor of Environmental and Occupational Health at George Washington University School of Public Health

Carolina Balazs, President's Post-doctoral Fellow, UC Davis, 2012-2014,

Currently Staff Scientist, California Environmental Protection Agency, Office of Environmental Health Hazard Assessment

Undergraduate and Masters Level Thesis Advising:

Axel Adams, Masters Thesis committee inside member

Joint Medical Program UC Berkeley/UCSF, 2016-17

Clair Quiner, Master of Public Health Thesis chair, 2015-2015

Epidemiology and Biostatistics Program, UC Berkeley School of Public Health

Evan Yoshimoto, McNair Scholars Thesis Advisor, 2017-Present

Department of Environmental Science, Policy and Management

Society and Environment Division

Minkah Eshe Smith, McNair Scholars Thesis Advisor, 2016-2017

Department of Environmental Science, Policy and Management

Society and Environment Division

Chika Kondo, Senior Honors Thesis Advisor

Department of Environmental Science, Policy and Management

Society and Environment Division, 2012-13

Claire Evans, Senior Honors Thesis Advisor

Department of Environmental Science, Policy and Management,

Society and Environment Division, 2010-2011

Julia Varshavsky, MPH Advisor

Division of Environmental Health Sciences, School of Public Health, 2011-2012

Naomi Beyler, MPH/MCP Thesis Advisor

Division of Community Health and Human Development, School of Public Health and Department of City and Regional Planning, 2009-2011

Dan Meltzer, MPH Thesis Advisor

Division of Community Health and Human Development, School of Public Health, 2013-2014

Nora Traugher, Senior Honors Thesis Advisor

Department of Environmental Science, Policy and Management, Society and Environment Division, 2010-2011

Drew Leher, Senior Thesis Advisor

Department of Environmental Science, Policy and Management, Society and Environment Division, 2010-2011

Kirsten Matsumoto, Senior Honors Thesis Advisor

Department of Environmental Science, Policy, and Management, Society and Environment Division, 2008-2009

Michael Young, Senior Thesis Advisor

Department of Environmental Science, Policy, and Management, Environmental Sciences, 2012-2013

Samuel Harry Terrell, Senior Honors Thesis Advisor

Department of Environmental Science, Policy, and Management, Society and Environment Division, 2015-Present

THESIS AND DISSERTATION ADVISING – BROWN UNIVERSITY

Undergraduate:

Anna Greene, Senior Honors Thesis Advisor
Center for Environmental Studies, 2002- 2004

Rachael Moeller and Amanda Aretz, Masters Honors Thesis, Reader
Center for Environmental Studies, 2002

Christina Mair, Senior Honors Thesis Advisor,
Center for Environmental Studies, 2002-2003

Marian Tsongas, Senior Thesis Advisor
Center for Environmental Studies, 2004-2006

Noura Alturki, Senior Thesis Reader
Center for Environmental Studies, 2004-2005

Anna Fedman, Senior Thesis Reader
Department of Religious Studies, 2004-2005
Recipient of the McVikar Honor Thesis Prize in Religious Studies, Brown University

Seth Federspeil, Senior Thesis Advisor
Center for Environmental Studies, 2006-2007

Margaret Frye, Senior Honors Thesis Reader
Center for Environmental Studies, 2005- 2006

Stephanie Chu, Senior Thesis Advisor
Center for Environmental Studies, 2005-2006

Marissa Molinar, Senior Thesis Advisor
Center for Environmental Studies, 2006-2007

Adam Akullian, Senior Honors Thesis Reader
Center for Environmental Studies, 2006-2007

Master:

Christopher Moody, Masters Honors Thesis Reader,
Center for Environmental Studies, 2003

William Space, Masters Thesis Advisor
Center for Environmental Studies, 2003-2004

Nicholas Bianco, Masters Thesis Advisor
Center for Environmental Studies, 2003-2005

Caroline Colesworthy, Masters Thesis Advisor
Center for Environmental Studies, 2004- 2005

Allan Just, Senior Honors Thesis Advisor
Center for Environmental Studies, 2003-2005

Lindsey Ryckman, Masters Thesis Advisor
Center for Environmental Studies, 2005-2006

Angela Hackel, Masters Thesis Reader
Center for Environmental Studies, 2005-2006

Halima Ahmadi, Master of Public Health Thesis Reader
Department of Community Health, 2006-2007

Alison Cohen, Senior Honors Thesis Advisor
Department of Community Health, 2006-2007

William Kern, Masters Thesis Reader
Center for Environmental Studies, 2005-2006

Marc Manseau, Masters of Public Health Honors Thesis Advisor,
Department of Community Health, School of Medicine, 2003-2005

Doctoral:

Sabrina McCormick, Dissertation Committee Member

Department of Sociology, 2002 –2005

Recipient of the Joukowsky Award for the Best Dissertation in the Social Sciences, Brown University

AAAS Fellow, US Environmental Protection Agency; Robert Wood Johnson Health Policy Scholar;

Currently, Associate Professor, George Washington University, School of Public Health

Brian Mayer, Dissertation Committee Member

Department of Sociology, 2002- 2006

Recipient of the Joukowsky Award for the Best Dissertation in the Social Sciences, Brown University

Currently Associate Professor, University of Arizona, Department of Sociology

Rebecca Gasior Altman, Dissertation Committee Member

Department of Sociology, 2004-2008

Currently Adjunct Professor, Tufts University

Laura Senier, Dissertation Committee Member

Department of Sociology, 2005-2009

Currently Assistant Professor Northeastern University, Department of Sociology

*William Jesdale, Dissertation Committee Member

Department of Community Health, School of Medicine, 2003-2006

Currently Research Professor, University of Massachusetts Worcester, MA

External Dissertation and Masters Thesis Committees:

Russell Lopez, Boston University, School of Public Health, Dissertation Committee Member

Department of Environmental Health Sciences, 2003

Research Professor, Boston University, School of Public Health, Division of Environmental Health Sciences

Rana Charafeddine, Boston University, School of Public Health, Dissertation Committee Member

Department of Environmental Health Sciences, Fall 2005

M. Catherine Trimbur, Columbia University School of Public Health, 2006-2007, Masters Thesis Reader