

SANDRA A. HOFFMANN

Resources for the Future
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EDUCATION

Ph.D. University of California, Berkeley, Dept. of Agricultural and Resource Economics.
Fields: Environmental and Resource Economics, Law and Institutional Economics, Dec. 1998.

M.A. University of Wisconsin-Madison, Agricultural Economics, May 1991.

J.D. University of Michigan Law School, May 1986.

B.S. Iowa State University. Cum Laude, May 1980.

AWARDS: Olin Foundation Fellowship in Law and Economics, American Agricultural Economics Foundation Fellowship, Phi Beta Kappa, Phi Kappa Phi, Gamma Sigma Delta, selected to staff *University of Michigan Journal of Law Reform*.

DISSERTATION

“Regulating Risk: The Welfare Economic Foundations of Environmental Risk Policy.”
Major Advisor: Michael Hanemann; Committee: Anthony Fisher, Irma Adelman, Robert Cooter.

LICENSES

District of Columbia Bar; Wisconsin State Bar.

PROFESSIONAL POSITIONS

Fellow. Resources for the Future, Washington, DC. July 2000-present.

Assistant Professor. University of Wisconsin-Madison, LaFollette School of Public Policy and Dept. of Urban and Regional Planning, Madison, WI. 1999-2000.

Attorney. McKenna, Conner and Cuneo, Washington, DC. Pesticide and Chemical Regulation Practice Group. 1986-1989.

Peace Corps Volunteer. Integrated Rural Development Program, Chillán, Chile. 1980-1982.

OTHER PROFESSIONAL EXPERIENCE

Graduate Student Instructor, University of California, Berkeley. Natural Resource Economics, Water Resource Economics, Law and Economics (civil and public), Introduction to Economics.

Research Assistant to: Profs. Michael Hanemann, Louise Fortmann, Sherman Robinson, and Jerry Siebert, University of California, Berkeley, CA; Richard Barrows, U. of Wisconsin, Madison, WI; Prof. Charles Wilkinson, University of Michigan Law School, Ann Arbor, MI.

USDA Soil Conservation Service. Low input sustainable agriculture project. Washington, DC, Summer 1989.

Law Clerk. The Dow Chemical Company. Office of General Council. Midland, MI. Summer 1985.

Law Clerk. Legal Action of Wisconsin. Migrant Farm Labor Program. Summer 1984.

SELECTED PROFESSIONAL SERVICE

Member National Research Council Committee on Effectiveness of National Biosurveillance Systems: BioWatch and the Public Health System. 2008-2009.

Venture Trust International Travel Fellow, 2006. Food Safety and Economics of Risk Analysis. Massey University, Palmerston North, New Zealand.

EPA Advisory Committee on National Health Surveys and Children's Environmental Health. 2005.

PUBLICATIONS

Journal Articles

Hoffmann, Sandra and Bill Harder. *Forthcoming*. "Food Safety and Risk Governance in Globalized Markets". *Health Matrix: J. of Law-Medicine*.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick, and Michael McWilliams. 2008. "Informing Risk-Mitigation Priorities Using Uncertainty Measures Derived from Heterogeneous Expert Panels: A Demonstration Using Foodborne Pathogens," *Reliability Engineering and System Safety*. 93(5): 687-698.

Hoffmann, Sandra. 2007. "Since Children Are Not Little Adults—Socially—What's an Environmental Economist to Do?" *Duke Environmental Law and Policy Forum*. 17: 209-232.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick, and Michael McWilliams. 2007. "Elicitation from Large, Heterogeneous Expert Panels: Using Multiple Uncertainty Measures to Characterize Information Quality for Decision Analysis," *Decision Analysis*. 4(2): 91-109.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick, and Michael McWilliams. 2007. "Using Expert Elicitation to Link Foodborne Illnesses in the U.S. to Food," *Journal of Food Protection*. 70(5): 1220-11229.

Goodhue, Rachael E. and Sandra Hoffmann. 2006. "Reading the Fine Print in Agricultural Contracts: Conventional Contract Clauses, Risks and Returns," *American Journal of Agricultural Economics*. 88(5): 1237-1243.

Hoffmann, Sandra, James Boyd, and Eleanor McCormick. 2006. "Taxing Nutrient Loads," *Journal of Soil and Water Conservation*. 61(5): 142A-147A.

Dharmapala, Dhammika, and Sandra Hoffmann. 2005. "Bilateral Accidents with Intrinsically Interdependent Costs of Precaution," *Journal of Legal Studies*. 34(1): 239-272.

Berck, Peter, Chris Costello, Louise Fortmann and Sandra Hoffmann. 2003. "Poverty and Employment in Forest-dependent Counties," *Forest Science*. 49(5): 1-15.

Berck, Peter and Sandra Hoffmann. 2002. "Assessing the Employment Impacts of Environmental Policy," *Environmental and Resource Economics*. 22: 133-56.

Hoffmann, Sandra, Sherman Robinson, and Shankar Subramanian. 1996. "Defense Cuts and the California Recession: Computable General Equilibrium Models and Interstate Factor Mobility," *Journal of Regional Science*. 36(4): 571-95.

Hoffmann, Sandra. 1986. "Farmland and Open Space Preservation in Michigan: an Empirical Study," *U. of Michigan Journal of Law Reform*. 19: 1107-97.

Under Review

Batz, Michael B., Sandra A. Hoffmann, J. Glenn Morris, and Michael R. Taylor. "The Cost of Foodborne Illness in the United States," being revised for resubmission to *Risk Analysis*.

Krupnick, Alan, Sandra Hoffmann, Pin Qing. Under review. "Willingness to Pay for Air Quality Improvements in Urban China: Comparing Payment Card and Dichotomous Choice Stated Preference Survey Methods." *Environmental and Resource Economics*.

Hoffmann, Sandra. Under review. "Overcoming Barriers to Integrating Economic Analysis into Risk Assessment," *Risk Analysis*.

Books and Other Edited Works

Hoffmann, Sandra (organizer). *Forthcoming*. "Risk Analysis and Food Safety." Special Issue of *Risk Analysis*.

Hoffmann, Sandra and Neal Hooker (organizers). 2009. "Emerging Issues in Food Safety." Special Issue of *Choices*. 24 (2).

Hoffmann, Sandra and Michael Taylor (eds.). 2005. *Toward Safer Food: Perspectives on Risk and Priority Setting*. Resources for the Future Press, Washington, D.C.

Book Chapters

Hoffmann, Sandra. *Forthcoming*. "Food Safety Policy and Economics," *Oxford Handbook of Consumer Economics*.

Hoffmann, Sandra, Alan Krupnick and Wictor Adamowicz. 2006. "Uncertainty in Valuing Benefits to Children from Environmental Health Policy," in *Economic Valuation of Environmental Health Risks to Children*. OECD Publishing, Paris France.

Hoffmann, Sandra. 2005. "Risk-Based Decision-making for Food Safety: Lessons from Environmental Policy," in *Toward Safer Food: Perspectives on Risk and Priority Setting*, Sandra Hoffmann and Michael Taylor (eds.). Resources for the Future Press, Washington, DC.

Fischer, Carolyn, Sandra Hoffmann, and Yutaka Yoshino. 2003. "Multilateral Trade Agreements and Market-Based Environmental Policies," in *Critical Issues in International Environmental Taxation: International and Comparative Perspectives*, Janet Milne, Kurt Deketelaere, Larry Kreiser, Hope Ashiabor (eds.). Richmond Law and Tax Ltd., Richmond, UK.

Berck, Peter and Sandra Hoffmann. 2003. "Preservation and Employment," in *Recent Accomplishments in Forest Economics Research*, F. Helles, N. Strange, and L. Wichmann (eds.). Kluwer Academic Publishers, Dordrecht, The Netherlands.

Selected Short Policy Articles

Hoffmann, Sandra. *Forthcoming*. "Ensuring Food Safety around the Globe: The Many Roles of Risk Analysis from Risk Ranking to Microbial Risk Assessment." *Risk Analysis*. (Editorial introduction to special issue).

Hoffmann, Sandra and Neal Hooker. 2009. "Emerging Issues in Food Safety." *Choices*. 24 (2) 4-5. (Editorial introduction to special issue).

Sandra Hoffmann. 2009. "Knowing Which Foods Are Making Us Sick." *Choices*. 24 (2) 6-10.

Hoffmann, Sandra. 2009. "Attributing U.S. Foodborne Illness to Food Consumption." *Resources*. 172: 14-17.

Hoffmann, Sandra. 2008. "Taking a Closer Look at the Cost of Air and Water Pollution in China," *Resources*. 169:6-7.

Hoffmann, Sandra. 2008. "Bringing our Food Safety System into the 21st Century," *RFF Policy Commentary*.
http://www.rff.org/rff/News/Weekly_Policy_Commentary/08_04_21_Food_Safety.cfm (accessed May 2, 2008)

Hoffmann, Sandra. 2007. "Mending Our Food Safety Net," *Resources*. 166:11-15.

Hoffmann, Sandra. 2005. "Headlines Don't Tell the Real Story about Food Safety," *Resources*. 157: 6.

Hoffmann, Sandra and Alan Krupnick. 2004. "Valuing Risk to Health: Children Are Not Little Adults," *Resources*. 154: 12-17.

Taylor, Michael and Sandra Hoffmann. 2001. "Redesigning Food Safety: Using Risk Analysis to Build a Better Food Safety System," *Resources*. 144: 13-16.

Taylor, Michael and Sandra Hoffmann. 2001. "Redesigning Food Safety," *Issues in Science and Technology*. 17(4): 26-30.

Hoffmann, Sandra. Nov. 1988. "1988 FIFRA Amendments," *Agricultural Law Update*.

Selected Other Publications and Reports

National Research Council, Committee on Effectiveness of National Biosurveillance Systems: BioWatch and the Public Health System. 2009. *BioWatch and Public Health Surveillance: Evaluating Systems for Early Detection of Biological Threats*. National Academies Press, Washington, DC.

With McDonald, Jacqueline *et al.* 2009. Strategic Planning for Environmental Health Policy: Report to the United Arab Emirates.

With Ramanan Laxminaryan *et al.* 2009. The Value of Giving: A Prospectus for Measuring the Economic Impact of Robert Wood Johnson Foundation Funding. Report to the Robert Wood Johnson Foundation on Preliminary Research.

World Bank. 2007. Cost of Pollution in China: Economic Estimates of Physical Damages. Contributing author. 2007.

Bostrom, Ann, Sandra Hoffmann, Alan Krupnick and Wictor Adamowicz. 2006. "Parental Decision-Making and Children's Health," in Conference Proceedings. U.S. EPA NCER/NCEE Workshop Morbidity and Mortality: How Do We Value the Risk of Illness and Death? April 10-12, 2006, Washington, DC. <http://es.epa.gov/ncer/publications/>.

Krupnick, Alan, Sandra Hoffmann, Bjorn Larsen, Xizhe Peng, Ran Tao, and Chen Yan. 2006. "The Willingness to Pay for Mortality Risk Reductions in Shanghai and Chongqing, China." Report to the World Bank.

Blackman, Allen, Sandra Hoffmann, Richard Morgenstern and Elizabeth Topping. May 2005. "Assessment of Colombia's National Environmental System (SINA)." RFF Report. (Also the basis for World Bank, "Republic of Colombia: Mitigating Environmental Degradation to Foster Growth and Reduce Inequality," Report No. 3645-CO, Feb. 25, 2006, and Kulsum Ahmed, Yewande Awe and Ernesto Sanchez (eds.), *Environmental Priorities for Poverty Alleviation: A Country Environmental Analysis for Colombia*. Forthcoming. World Bank, Washington, DC).

Hoffmann, Sandra and Alan Krupnick. 2004. "Performance Standards for Food Safety," in *New Approaches on Energy and the Environment: Policy Advice for the President*, Richard Morgenstern and Paul Portney (eds.). Resources for the Future Press, Washington, DC.

Hoffmann, Sandra and Peter Nelson. 2002. "An Introduction to Methods for Comparing and Ranking Dissimilar Risks." Report to Milbank Foundation and to U.S.D. A. Economic Research Service under Cooperative Agreement 43-3AEM-1-80092.

Hoffmann, Sandra and Louise Fortmann. 1997. "Poverty in Sierra Nevada Forest Counties: A Time Series Analysis with Special Reference to AFDC Caseloads," in *Sierra Nevada Ecosystem Project: Final Report to Congress, Vol. II. Status of the Sierra Nevada: Assessments*, Don C. Erman (ed.). U.S. Geological Survey, Digital Data Series DDS-43. (Peer reviewed).

Robinson, Sherman, Sandra Hoffmann, and Shankar Subramanian. 1995. "Defense Spending Reductions and the California Economy: A Computable General Equilibrium Model." Report to the California Energy Commission.

Hoffmann, Sandra (co-author). 1993. McKenna, and Cuneo, *Pesticide Regulation Handbook*. McGraw-Hill.

Hoffmann, Sandra (co-author). 1987. McKenna, Conner and Cuneo, *TSCA Handbook*. Government Institutes Inc.

Discussion Papers

Sandra Hoffmann and William Harder. Oct. 2009. "Food Safety and Risk Governance in Globalized Markets," RFF DP 09-44

Sandra Hoffmann. "Measuring the Causal Link between Foundation Funding and Social Outcomes: Can Participants Mental Models Provide a New Data Source?" April 2009.

Sandra Hoffmann and Alan Krupnick. March 2009. WP042: Overcoming Barriers to Integrating Risk Assessment and Economic Analysis. Policy Research Institute of Government of Canada. (http://www.policyresearch.gc.ca/page.asp?pagenm=pub_wp042).

Sandra Hoffmann. March 2009. WP041: Distributional Analysis: Tracking Economic Impacts of Regulations and Policy Across Society. Policy Research Initiative. Government of Canada. (http://www.policyresearch.gc.ca/page.asp?pagenm=pub_wp041).

Hoffmann, Sandra A, Paul S. Fischbeck, Alan J. Krupnick, and Michael R. McWilliams. | February 2008. Eliciting Information on Uncertainty from Heterogeneous Expert Panels: Improving Risk-Based Decision-making in the U.S. RFF Discussion Paper 06-17.

Hoffmann, Sandra, James Boyd, and Eleanor McCormick. August 2006. "Can Incentives Help Solve the Chesapeake's Nutrient Pollution Problem?" RFF Discussion Paper 06-38. Resources for the Future, Washington, DC.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick, and Michael McWilliams. April 2006. "Eliciting Information on Uncertainty from Heterogeneous Expert Panels: Application to Food Safety in the United States," RFF Discussion Paper DP 06-17. Resources for the Future, Washington, DC. Also submitted to the U.S. Food and Drug Administration as a project report.

Batz, Michael B, Sandra Hoffmann, Alan Krupnick. Dec. 2005. "Prioritizing Opportunities to Reduce the Risk of Foodborne Illness: A Conceptual Framework," Food Safety Research Consortium Discussion Paper Series.

Hoffmann, Sandra A. and W. Michael Hanemann. April 2005. "Torts and the Protection of "Legally Recognized Interests," RFF Discussion Paper 05-21. Resources for the Future, Washington, DC.

Batz, Michael B., Sandra A. Hoffmann, Alan J. Krupnick, J. Glenn Morris, Diane M. Sherman, Michael R. Taylor, and Jody S. Tick. Dec. 2004. "Identifying the Most Significant

Microbiological Foodborne Risks to Public Health: Methodological and Data Issues in Development of a National Risk-Ranking Model New Risk-Ranking Model,” RFF Discussion Paper 04-31. Resources for the Future, Washington, DC.

Fischer, Carolyn, Sandra Hoffmann, and Yutaka Yoshino. May 2002. “Multilateral Trade Agreements and Market-Based Environmental Policies,” RFF Discussion Paper 02-28. Resources for the Future, Washington, DC.

Dharmapala, Dhammika, Sandy Hoffmann, and Warren Schwartz. July 2001. “A Neglected Interdependency in Liability Theory,” RFF Discussion Paper 01-13. Resources for the Future, Washington, DC.

Michael R. Taylor and Sandra A. Hoffmann. May 2001. “Redesigning Food Safety: Using Risk Analysis to Build a Better Food Safety System,” RFF Discussion Paper 01-24. Resources for the Future, Washington, DC.

Berck, Peter, Christopher Costello, Louise Fortmann, and Sandra A. Hoffmann. Nov. 2000. “Poverty and Employment in Timber-Dependent Counties,” RFF Discussion Paper 00-52. Resources for the Future, Washington, DC.

Hoffmann, Sandra and W. Michael Hanemann. May 1999. “Tort Law and Non-Monetary Loss,” Robert M. LaFollette Institute Working Paper No. 26. University of Wisconsin-Madison, Madison, WI.

Other Working Papers

Jason Fialkoff, Sandra Hoffmann, Ann Bostrom, and Alan Krupnick. Mental Models of Lead-based Paint: How Knowledgeable Are Parents? May 2009.

Food Safety Research Consortium. Jan. 2004. “Constructing the Analytical Tools for a Systems and Risk-Based Approach to Food Safety Initial Framework Paper for the FSRC Project on Prioritizing Opportunities to Reduce Foodborne Disease.” Discussion Draft. (<http://www.rff.org/fsrc/pubs.htm> last accessed June 3, 2005).

Food Safety Research Consortium. Risk Ranking Model Papers. July 2003. “Methodology Primer for the Foodborne Illness Risk Ranking Model.” (<http://www.rff.org/fsrc/pubs.htm> last accessed June 3, 2005).

Food Safety Research Consortium. Risk Ranking Model Papers. July 2003. “[Food Attribution Data and Methodology of the Foodborne Illness Risk Ranking Model.](#)” (<http://www.rff.org/fsrc/pubs.htm> last accessed June 3, 2005).

TESTIMONY AND PRESENTATIONS

Selected Testimony and Public Addresses

Sandra Hoffmann. “Alternate Methods for Source Attribution and Determining Risk,” Presentation at Food Research Institute, University of Wisconsin-Madison Symposium, “Developing Risk-based Food Safety Regulations,” Nov. 12, 2009. (For industry, public, and research communities)

RFF First Wednesday Public Seminar Series. Reforming Regulation of Food Safety. Organizer and moderator. Washington, DC. Feb. 4, 2009.

Sandra Hoffmann. Social Cost Modeling and Risk Ranking. Testimony before the National Research Council, Committee on Ranking FDA Product Categories Based on Health Consequences. October 10, 2008

Sandra Hoffmann. Radio talk show. WILL, Champaign-Urbana, Ill. Topic: Food Safety in the U.S.. August 7, 2008. 11:06-12:57 PM.

Sandra Hoffmann. "Distributional Analysis: Tracking Economic Impacts across Society". Government of Canada Conference: The Future of Strategic Evidence-Based Regulation. Policy Research Initiative of Canada. Ottawa, Ontario. March 13, 2008. (Invited speaker).

Hoffmann, Sandra. Testimony before the National Advisory Committee on Meat and Poultry Inspection Public Meeting. Arlington, Va. Feb 5-6, 2008.

Hoffmann, Sandra. "Using Data from Expert Elicitation to Attribute Illness to Food." Joint USDA, FDA, and CDC Food Safety Summit on Attributing Illness to Food. Falls Church, VA. April 5, 2007. (At request of Dr. David Goldman, Acting Administrator, USDA, FSIS)

RFF First Wednesday Public Seminar Series. Achieving A Safety Food Supply in Increasingly Global Markets. Organizer and moderator. Washington, DC. June 7, 2006.

Policy Conferences/Symposia Organized

Sandra Hoffmann and Neal Hooker. "Food Safety Risk Ranking and Cost Analysis Along the Domestic and International Supply Chains." National webinar co-sponsored by The Council on Food, Agriculture, and Resource Economics and the Agricultural and Applied Economics Association. July 28, 2009.

New Ideas for Risk Regulation: OMB and the Obama Administration. Society for Risk Analysis and Resources for the Future. Washington, DC. June 22-23, 2009. (Organizing committee member).

Setting Food Safety Priorities: Toward a Risk-Based System. Two-day conference for researchers and agency staff. Organized with Michael Taylor and Jody Tick. Resources for the Future. Washington, DC. May 23-24, 2001.

Academic Symposia/ Sessions /Workshops Organized

Session: Valuing Health Risks II: Children. Society for Risk Analysis. Boston, MA. Dec. 7-10, 2008. Organized with Lisa Robinson, Harvard Center for Risk Analysis.

Session: The Economics of Risk-Based Monitoring to Assure Safe Food. American Agricultural Economics Association. Annual Meeting. Orlando, FLA. July 27-28, 2008.

Food Safety and Nutrition Section: Measuring Whether What We Eat is Nutritious, Safe, and Satisfying. 6-session track on food safety and nutrition. Organized with Andrea Carlson, Elise

Golan, Chung-Tung Lin and Vicky Salin. American Agricultural Economics Association Annual Meeting. Orlando, FL. July 2005.

Session: The Economics of Food Safety: Production, Consumption and Health Risk Management Choices from Farm-to-Fork. Organizer. Agricultural Economics Association Annual Meeting. bb

Food Safety Research Council, [Workshop Series: Prioritizing Opportunities to Reduce Foodborne Risk](#) Workshop 2: Economic measures of interventions. Organized with Julie Casewell. University of Massachusetts Amherst. Amherst, MA. Dec 2-3, 2004.

Food Safety and the Environment: Managing Quality in an International Context. One day symposium. Organized with K. Millock, Centre International de Recherche sur l'Environnement et le Développement, Paris. World Congress of Environmental and Resource Economists. Monterrey, CA. June 2002.

PRESENTATIONS

Sandra Hoffmann. "Risk-based Food Safety Policy: With a Focus on USDA's Risk-Based Meat Inspection Program." Alberta Agricultural Economics Association Annual Meeting. Invited Speaker. Red Deer, Alberta, Canada. May 6, 2009.

Sandra Hoffmann. Facilitator. "Synthesizing Colluqium Findings and Identifying Research Needs," for *Law and Evidence in Mitigating Food Safety Risks in the Global Food Supply: A Policy Forum*. O'Neill Institute for National and Global Health Law, Georgetown University, Washington, DC. April 2010.

Sandy Hoffmann, Allen Krupnick, and Vic Adamowicz. "Who Speaks for the Household: Differences in Spouses' Willingness to Pay and How These are Resolved in a Couple." W2133 Annual Meeting. Feb. 24-26, 2010. Tucson, Arizona.

Sandra Hoffmann. "New Ideas for Risk Regulation: Integrating Economic Analysis and Risk Assessment," Society for Risk Analysis Annual Meeting, Baltimore, MD. December 8, 2009.

Elena Safirona, Sandra Hoffmann, and Winston Harrington. "Distribution and Regulatory Cost Analysis: Tracking Economic Impacts across Society." Society for Risk Analysis Annual Meeting, Baltimore, MD. December 7, 2009.

Sandra Hoffmann, Alan Krupnick, and Victor Adamowicz. "Household Bargaining and Stated Preference Surveys: Parental Valuation of Risk of IQ Loss and ADHD." Society for Risk Analysis Annual Meeting. December 7, 2009.

Sandra Hoffmann. "Alternate Methods for Source Attribution and Determining Risk," Presentation at Food Research Institute." University of Wisconsin-Madison Symposium, Developing Risk-based Food Safety Regulations. Madison, Wisconsin. Nov. 12, 2009.

Sandra Hoffmann. Reviewer for "Hunt and Ferguson, A Review of Recent Policy-Relevant Findings from the Environmental Health Literature." OECD, Valuation of Environment-Related Health Impacts-Children (VERHI) Project Meeting. Prague, Czechoslovakia. Sept. 2009.

Sandra Hoffmann. "The Social Cost of Foodborne Illness in the U.S." American Agricultural Economics Association Meeting. Milwaukee, WI. July 28, 2009.

Sandra Hoffmann. "Regulation, Market Uncertainty and the Supply and Demand of Technological Innovation." Presentation at: International Risk Governance Council workshop: Regulation and Innovation – Two Sides of the Same Coin. Washington, DC. June 30, 2009. (Invited speaker).

Sandra Hoffmann and Abby Colson. "Attributing Policy Impact to Foundation Investment: Lessons from Decision Analysis and Mental Models Research." Presentation to Robert Wood Johnson Foundation staff. Princeton, N.J. June 24, 2009.

Sandra Hoffmann. "Risk Assessment and the Behavioural Science of Economics." Presentation at: New Ideas for Risk Regulation Conference. Society for Risk Analysis and Resources for the Future. Washington, DC. June 22-23, 2009.

Sandra Hoffmann. Import Safety: Final Synthesizing Comments on Workshop Proceedings. University of Pennsylvania Law School. Philadelphia, Penn. May 2009. (Invited speaker).

Sandra Hoffmann. Putting Costs in Perspective: a Proposed Approach. Presentation, National Research Council, Committee on Effectiveness of National Biosurveillance Systems: BioWatch and the Public Health System. December 3, 2008.

Sandra Hoffmann. Social Cost Modeling and Risk Ranking. Presentation, National Research Council, Committee on Ranking FDA Product Categories Based on Health Consequences. October 10, 2008.

Sandra Hoffmann. Radio talk show. WILL, Champaign-Urbana, Ill. August 7, 2008. 11:06-12:57 PM. Topic: Tracking Food Borne Illness.

Sandra Hoffmann. "Distributional Analysis: Tracking Economic Impacts across Society". Government of Canada Conference: The Future of Strategic Evidence-Based Regulation. Policy Research Initiative of Canada. Ottawa, Ontario. March 13, 2008. (Invited speaker).

Hoffmann, Sandra. Testimony before the National Advisory Committee on Meat and Poultry Inspection Public Meeting. Arlington, Va. Feb 5-6, 2008.

Hoffmann, Sandra, Alan Krupnick, Bjorn Larsen. "Willingness to Pay for Mortality Risk Reductions in China". Society for Risk Analysis Meeting. San Antonio, Texas. Dec. 10, 2007.

Hoffmann, Sandra, Ronald White and Brian McGee. "Exploring the implications of REACH for risk assessment in Europe and the U.S." Organized symposium. Society for Risk Analysis Meeting". San Antonio, Texas. Dec. 10, 2007.

Hoffmann, Sandra. 2007. "Since Children Are Not Little Adults—Socially—What's an Environmental Economist to Do?" The Duke Environmental Law and Policy Forum's 2007 Symposium: Law, Science, and Uncertainty: The Future of Children's Environmental Health. October 27, 2006, Durham, North Carolina.

Hoffmann, Sandra, Alan Krupnick, Bjorn Larsen and Michael McWilliams. "Payment Card versus Dichotomous Choice Bid Elicitation: An Application in Shanghai, People's Republic of

China.” Assoc. of Environmental and Resource Economics Summer Meeting at the AAEA Annual Meeting. Portland, Oregon. July 31, 2007.

Hoffmann, Sandra. “Collaborating in a Multidisciplinary Environment”. Organized Symposium. American Agricultural Economics Association Meeting. Portland, Oregon. July 31, 2007.

Hoffmann, Sandra, Alan Krupnick, Bjorn Larsen. “Payment Card versus Dichotomous Choice Bid Elicitation: An Application in Shanghai, People’s Republic of China”. Assoc. of Environmental and Resource Economics Summer Meeting. Portland, Oregon. July 31, 2007.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick and Michael McWilliams. “Using Data from Expert Elicitation to Attribute Illness to Food.” Joint USDA, FDA, and CDC Food Safety Summit on Attributing Illness to Food. Falls Church, VA. April 5, 2007.

Hoffmann, Sandra and Alan Krupnick, *et al.* “Willingness to Pay for Mortality Risk Reductions in Shanghai and Chongqing, China.” Presentation. USDA, Western Regional Research Project (W-1133) 2007 Annual Meeting. Richmond, VA. March 30, 2007.

Krupnick, Alan, Sandra Hoffmann, Bjorn Larsen. “Willingness to Pay for Mortality Risk Reductions in Shanghai and Chongqing, China”. World Bank, State Environmental Protection Agency Conference on Green China. Beijing, China. March 1, 2007.

Discussant, Evans, Poulos, and Smith “Individual Preferences and Household Choices: The Potential Role of Dependency Relationships.” ASSA Meeting, Chicago, Ill. Jan. 7, 2007.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick, and Michael McWilliams. “Eliciting Information on Uncertainty from Heterogeneous Expert Panels: Attributing U.S. Foodborne Pathogen Illness to Food Consumption.” Presentation. Society for Risk Analysis (SRA) Annual Meeting. Baltimore, MD. Dec. 4, 2006.

Hoffmann, Sandra, Ann Bostrom, Alan Krupnick, and Wictor Adamowicz. “Parental Decision Making about Children’s Health: Using Mental Models Research to Inform Contingent Valuation Surveys.” Poster Session. Society for Risk analysis Annual Meeting. Baltimore, MD. Dec. 4, 2006.

Bostrom, Ann, Sandra Hoffmann, Alan Krupnick, and Wictor Adamowicz. “Parental Mental Models of Lead Paint Hazards: Toward Improved Communications about Environmental Health Risks to Children.” Presentation. Society for Risk analysis Annual Meeting. Baltimore, MD. Dec. 6, 2006. (Ann Bostrom presenter).

Hoffmann, Sandra. “Integrating Economics and Microbial Risk Assessment: New Developments in Regulatory Analysis.” Seminar. Centre for Applied Economics and Policy Studies. Wellington, New Zealand. Nov. 8, 2006.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick and Mike McWilliams. “Using Expert Elicitation to Attribute U.S. Foodborne Illness to Food Consumption.” Seminar. New Zealand Food Safety Authority. Wellington, New Zealand. Nov. 7, 2006.

Hoffmann, Sandra. Venture Trust International Travel Fellow Annual Lecture: “The Missing Link in Food Safety Risk Assessment and Economics: Using Formal Elicitation of Expert Judgment to Attribute US Foodborne Illness to Food Consumption.” Seminar. Massey University. Palmerston North, New Zealand. Nov. 2, 2006.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick and Mike McWilliams. "Using Expert Elicitation to Attribute U.S. Foodborne Illness to Food Consumption." Seminar. USDA, Food Safety Inspection Service, Office of Public Health Science. Washington, DC. Sept. 27, 2006.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick and Mike McWilliams. "Using Expert Elicitation to Attribute U.S. Foodborne Illness to Food Consumption." Seminar. Centers for Disease Control, Division of Bacterial and Mycotic Diseases. Atlanta, GA. Aug. 8, 2006.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick and Mike McWilliams. "Pathogen/Food Attribution of Foodborne Illness in the U.S.: Results of a New Expert Elicitation." Presentation. FoodNet Attribution Working Group meeting. Conference call meeting. Aug. 3, 2006.

Goodhue, Rachael and Sandra Hoffmann. "Reading the Fine Print in Agricultural Contracts: Conventional Contract Clauses, Risks and Returns." Principal Paper Session, American Agricultural Economics Association (AAEA) Annual Meeting. Long Beach, CA. July 24-26, 2006.

Hoffmann, Sandra, Paul Fischbeck, Alan Krupnick and Mike McWilliams. "Methodological Issues in Using Expert Elicitation to Attribute Foodborne Illness to Food Consumption." Presentation. FoodNet Attribution Working Group meeting. Conference call meeting. July 6, 2006.

Hoffmann, Sandra, Alan Krupnick, Paul Fischbeck, Mike McWilliams and Michael Batz. "Food Attribution in the U.S.: An Expert Elicitation." Poster session. Priority Setting of Foodborne and Zoonotic Pathogens, a conference organized by the European Union Med-Vet-Net and the Food Safety Research Consortium. Berlin, Germany. July 19-21, 2006.

Hoffmann, Sandra. "Integrating Economic Analysis and Risk Assessments of Foodborne Pathogen Hazards: from Farm to Fork." Invited paper at research conference, Gate to Plate: Current Issues and Future Strategies, sponsored by North Dakota State University and the Great Plains Institute for Food Safety. Fargo, N. Dakota. May 4-5, 2006. Invited speaker, funded by USDA CSREES.

Hoffmann, Sandra and Alan Krupnick, "Parental Decision-Making and Children's Health." Presentation. U.S. EPA NCER/NCEE Workshop Morbidity and Mortality: How Do We Value the Risk of Illness and Death? Washington, DC. April 10-12, 2006.

Krupnick, Alan, Sandra Hoffmann, Bjorn Larson, Jostein Nygaard, Xizhe Peng, Chen Yan, "Mortality Risk Valuation in Shanghai and Chongqing." Presentation. Environment and Development Seminar, World Bank. Washington, DC. Dec. 16, 2006. (Alan Krupnick presenter).

Hoffmann, Sandra. "Designing System-wide Food Safety Risk Management: Lessons from Federal Environmental Policy." Presentation. SRA Annual Meeting. Orlando, FL. Dec. 5, 2005.

Hoffmann, Sandra. "Using Expert Elicitation to Attribute Foodborne Illness to Specific Foods." Presentation. SRA Annual Meeting. Orlando, FL. Dec. 5, 2005.

Hoffmann, Sandra and David Zilberman. "Endogenizing Health Risk Reduction in a Social Welfare Framework for Analysis of Food Safety Production and Policy." Presentation. AAEA Annual Meeting. Providence, RI. July 26, 2005.

Hoffmann, Sandra, Alan Krupnick, and Paul Fischbeck. "Expert Elicitation and Food Attribution." Presentation. Food Safety Interventions and Food Attribution Workshop, Organized by the University of Georgia/FSRC. Decatur, GA. April 26-27, 2005.

Hoffmann, Sandra and Alan Krupnick. "Expert Elicitation and Regulatory Analysis at EPA." Briefing. U.S. EPA. Office of Water. Washington, DC. Fall 2004.

Hoffmann, Sandra. "Decision Analytic Tools for Food Safety Regulatory Priority Setting." Presentation. AAEA Annual Meeting. Denver, CO. Aug. 2004.

Hoffmann, Sandra. "Developing Decision Tools for a Risk-Based Approach to Reducing the Burden of Foodborne Illness." Presentation. SRA Annual Meeting. Baltimore, MD. Dec. 7-10, 2003.

Hoffmann, Sandra. "Family Decision Making and the Value of Preventing Childhood Developmental Impairment." Presentation. SRA Annual Meeting. Baltimore, MD. Dec. 7-10, 2003.

Hoffmann, Sandra. "Intrahousehold Resource Allocation and Modeling Family Decisions to Protect Children from Lead Hazards." Presentation. EPA National Center for Environmental Economics National Workshop, Valuing Environmental Health Risk Reductions to Children. Washington, DC. Oct. 20 and 21, 2003.

Hoffmann, Sandra, Alan Krupnick and Vic Adamowicz. "Overview of the Economic Uncertainties Related to the Valuation of Children's Environmental Health." Presentation. The Economic Valuation of Environmental Health Risks to Children. Workshop OECD Environment Directorate. Paris, France. Sept. 2003.

Hoffmann, Sandra. "Household Decision Making and Valuing Reductions in Risk to Children's Health." Presentation. AERE sessions at the AAEA Annual Meeting. Montreal, Canada. August 2003.

Hoffmann, Sandra, Michael Roberts, and Elise Golan. "Updating the Economic Food Safety Model: A Bayesian Approach." Presentation. AAEA Annual Meeting. Long Beach, CA. Aug. 2002.

Berck, Peter and Sandra Hoffmann. "Preservation and Employment." Presentation. Scandinavian Society of Forest Economics Annual Meeting. Gilleleje, Denmark. May 2002. (Peter Berck presenter).

Hoffmann, Sandra. "Use of Benefits Transfer in Food Safety Regulatory Analysis," in Session: Federal Agency Food Safety Valuation. Presentation. AAEA Annual Meeting. Chicago, IL. Aug. 2001.

Hoffmann, Sandra. "Poverty and Employment in Timber Dependent Counties." Presentation. Western Economics Assoc. Annual Meeting. San Francisco, CA. July 2001.

Hoffmann, Sandra and Dhammika Dharmapala. "A Neglected Interdependency in Liability Theory." Presentation. American Law and Economics Assoc. Annual Meeting. Washington, DC. Spring 2001.

Dharmapala, Dhammika and Sandra Hoffmann. "A Neglected Interdependency in Liability Theory." Olin Seminar on Law and Economics, Georgetown University Law School. Washington, DC. Winter 2001.

Hoffmann, Sandra and Michael Hanemann. "Tort Law and Non-Monetary Loss: Insurance versus Property Rights Enforcement and Compensation for Environmental Damage." Presentation. AAEA Annual Meeting. Tampa, FLA. Aug. 2000.

FUND RAISING

PENDING

Co-PI. Exploring the Impact of Content Domains in Public Health Information Seeking. To NIH. With Annette O'Connor (PI), Paul Fischbeck, and David Eichmann. National Science Foundation, FY 2010.

GRANTS RECEIVED

Co-PI. Estimating Value of Statistical Life in Ulaanbaator, Mongolia. World Bank. FY 2010.

Investigator. Attributing Foodborne Illness to Food Sources. Robert Wood Johnson Foundation. FY 2010.

Investigator. Measuring the economic impact of foundation grants. Robert Wood Johnson Foundation. FY 2008-2009. \$344,518

Investigator. Transferring to Regulatory Economics the Risk-Analysis Approaches to Uncertainty, Inter-individual Variability, and Other Phenomena. To NSF. With Adam Finkel, and Winston Harrington. Total budget request: \$749,991; RFF budget \$160,000. Two year project. FY 2007. Granted, but pending initiation by PI at Princeton.

PI. Expert Elicitation on Microbial Foodborne Illness Attribution to Foods. FDA, Center for Food Safety and Nutrition. Granted \$20,000. FY 2006.

Investigator. A Conceptual and Empirical Framework for Analyzing Information Disclosure Programs. EPA STAR. With Ian Parry (PI), Spencer Banzhaf, Carolyn Fischer, Tom Lyon, Richard Newell, Wally Oates, and Juha Siikamaki. Granted \$400,000. FY 2006-2007.

Co-PI. USDA ERS Cooperative Agreement for continuation of work on Food Safety Performance Standards. With Alan Krupnick and Maggie Glavin. Granted \$10,000. FY 2004-2005.

Investigator. World Bank. Evaluation of Colombia's Environmental Management System. Granted \$94,000. FY 2004. Also played a substantial role in RFF receiving a follow on grant for \$80,000.

Co-PI. Norwegian Trust Fund. Valuing Reductions in Environmental Health Risks in China. Granted \$137,500. RFF budget: 103,500. FY 2003-2005.

Co-PI. U.S. EPA. Modeling the Social Costs and Benefits of Pesticide Use. Granted \$70,000. FY 2004.

Co-PI. USDA Economic Research Service, Cooperative Agreement. A. Krupnick, M. Glavin, and S. Hoffmann. Performance versus Process Standards in Assuring Food Safety. Granted \$5,000. FY 2003.

Investigator. USDA CSREES, Integrated Food Safety Program. Feb. 2003. "Prioritizing Opportunities to Reduce Food-borne Disease," with Michael Taylor, Helen Jensen (PI), Catherine Wotecki, James Dickson, Julie Caswell, Michael Doyle, Jerry Gillespie, Glenn Morris, Alan Krupnick and Maggie Glavin. Granted \$595,631. RFF budget: \$151,000. FY 2004-2005.

Co-PI. U.S.EPA/NSF STAR Grant. Family Decision Making and the Value of Preventing Childhood Developmental Impairment. With Alan Krupnick (Co-PI) and Victor Adamowicz. Granted \$344,698. FY 2004-2006.

Investigator. Robert Wood Johnson Foundation. Grant. Foodborne Illness Risk Ranking Model. With M. Taylor (Co-PI), Glenn Morris (Co-PI), Alan Krupnick, and Maggie Glavin. Granted \$346,204. FY 2002-2003.

PI. Cooperative Agreement with U.S.D. A. Economic Research Service, Decision Models to Inform Food Safety Regulatory Priority Setting. Granted \$5,000. FY 2002.

Co-PI. USDA National Research Initiative. Conference: Setting Priorities for an Integrated Food Safety System. Granted \$10,000. FY 2001.

REVIEWER FOR:

Journals: *American J. of Agricultural Economics, Food Policy, Forest Science, J. of Environmental Economics and Management, J. of Industrial Ecology, J. of Regional Science, North Central Regional Science J., Review of Agricultural Economics, Risk Analysis, Southern Economics J., Foodborne Pathogens and Disease, Law and Society Review.*

National Academies of Science, Committee on Ranking FDA Product Categories Based on Health Consequences.

Environment and Health Fund – Israel. Review of proposals for annual competitive grants funding.

American Agricultural Economics Association: Annual Meeting presentation proposals. Annual dissertation Award.

Society for Risk Analysis: Annual Meeting presentation proposals.

OTHER LEGAL PRACTICE

The Dow Chemical Co., Office of General Counsel. Law Clerk. Midland, MI. Summer 1985.

Legal Action of Wisconsin, Farm Labor Project. Law Clerk. Wautoma, WI. Summer 1984.

OTHER PROFESSIONAL ACTIVITIES

Expert Panel Member. Food and Drug Administration. Expert Modeling of Influences, Opportunities, and Barriers to Reducing Risk in the U.S. Food Safety System. February 10, 2010.

Member. National Academy of Science Committee on Effectiveness of National Biosurveillance Systems: BioWatch and the Public Health System. (2009-2009).

Society for Risk Analysis, Risk Science & Law Specialty Group, Chair (2007), Past-Chair (2008). National Capital Area Chapter, Secretary (2008-present)

Venture Trust International Travel Fellow, 2006. Massey University, Palmerston North, New Zealand.

AAEA, Food Safety and Nutrition Section, Secretary/Treasurer. 2006-2008; At-large Board member 2003-2004.

EPA Advisory Committee on National Health Surveys and Children's Environmental Health. 2005.

NIH, CDC, EPA, National Longitudinal Study of Children's Environmental Health, At-Large member, Working Group on Social Environment. 2001-2005. Study Assembly member 2004-2008.

American Academy for the Advancement of Science, Roger Revelle Fellowship in Global Stewardship Selection Committee. 2005, 2007-2008.

Graduate Student Instructor, University of California, Berkeley. Natural Resource Economics, Water Resource Economics, Law and Economics (civil and public), Introduction to Economics.

Research Assistant to: Profs. Michael Hanemann, Louise Fortmann, Sherman Robinson, and Jerry Siebert, University of California, Berkeley, CA; Richard Barrows, U. of Wisconsin, Madison, WI; Prof. Charles Wilkinson, University of Michigan Law School, Ann Arbor, MI.

MEMBERSHIPS

American Agricultural Economics Association
American Economic Association
Association of Environmental and Resource Economists
American Law and Economics Association
Society for Risk Analysis
Society for Benefit-Cost Analysis
International Association for Food Protection