

Curriculum Vita Leland Luther Glenna

Contact Information

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Education

1997 Ph.D. in Rural Sociology, University of Missouri
1992 M.Div., Harvard University School of Divinity
1989 B.A. in History, Hamline University (Magna Cum Laude)

University Positions

2018-present Professor, Rural Sociology, The Pennsylvania State University, with a courtesy appointment in the Science, Technology & Society Program
2011-2018 Associate Professor, Rural Sociology, The Pennsylvania State University, with a courtesy appointment in the Science, Technology & Society Program
2005-2011 Assistant Professor, Rural Sociology, The Pennsylvania State University, with a courtesy appointment in the Science, Technology & Society Program
2004-2005 Assistant Professor, Community and Rural Sociology, Washington State University
2002-2004 Assistant Research Sociologist, University of California at Davis
2000-2002 Lecturer, Cornell University Rural Sociology Department
1997-1999 Post-doctoral Associate, Cornell University Rural Sociology Department
1996-1997 Research Associate, Cornell University Rural Sociology Department
1993-1996 Teaching and Research Assistance Positions, University of Missouri

Awards Received

- The Rural Sociological Society's Excellence in Research Award 2024
- Fulbright Award for the Fulbright-Schuman European Union Affairs Program 2020-2021 (Declined because of Covid-19 pandemic)
- Gamma Sigma Delta Excellence in Teaching Award 2018
- Joseph A. Schumpeter Prize 2017, Awarded by the German Central Bank
- *Rural Sociology* Best Paper Award 2016
- Community of Advising Excellence Award, The Pennsylvania State University College of Agricultural Science 2013
- Rural Sociological Society's Fred Buttel Outstanding Scholarly Achievement Award 2013
- Community of Teaching Excellence Award, The Pennsylvania State University College of Agricultural Science 2011
- Agriculture, Food, and Human Values Society Award for Excellence in Research 2010
- The Pennsylvania State University College of Agricultural Science's 2007 Roy C. Buck Award for best published paper by an untenured professor

- Oliver Cromwell Cox Graduate Student Paper Award 1995
- Williams Fund Fellowship, Harvard Divinity School 1989-92
- Academic All Conference Award (Football) 1988 & 1987

Professional Activities

- Chair Elect, Rural Sociological Society Ethics Committee
- Past President – Agriculture, Food, and Human Values Society 2017-2018
- President – Agriculture, Food, and Human Values Society 2016-2017
- National Research Council – Genetically Engineered Crops: Past Experience and Future Prospects 2014-2016
- President Elect – Agriculture, Food, and Human Values Society 2015-2016
- Rural Sociological Society Council Member 2011-2013
- Editorial Board, *Agriculture and Human Values* journal 2008-present
- Agricultural, Food, and Human Values Society Council Member 2007-2009
- Co-Chair Sociology of Food and Agriculture Interest Group of the Rural Sociological Society 2000-2001
- Journal manuscript reviewer: *Agriculture and Human Values*, *Rural Sociology*, *Energy Research & Social Science*, *Science and Public Policy*, *Renewable Agriculture and Food Systems*, *Environmental Sociology*, *Social Studies of Science*, *Journal of Southern Rural Sociology*, *Sustainability*, *American Sociological Review*, *Research Policy*, *Engaging Science, Technology, & Society*, *Science, Technology & Human Values*

Peer-Reviewed Publications

Glenna, Leland L. 2025. “White Christian Nationalism in the Rural United States.” *New Directions for Adult and Continuing Education* 2025: 21-27.

Scott, Christian Kelly, Guangqing Chi, and Leland Glenna. 2024. “Household Food Security in the Agropastoral Communities of Rural Southern Kyrgyzstan.” *Agriculture and Food Security* 13(14): 1-15.

Smithwick, Erica A. H., Jennifer Baka, Douglas Bird, Christopher Blaszcak-Boxe, Charles Andrew Cole, Jose D. Fuentes, Sarah E. Gergel, Leland L. Glenna, Caitlin Grady, Carter A. Hunt, Lisa D. Iulo, Jason Kaye, and Klaus Keller. 2023. “Regenerative Landscape Design: An Integrative Framework to Enhance Sustainability Planning.” *Ecology and Society* 28(4):5. [online] URL: <https://www.ecologyandsociety.org/vol28/iss4/art5>

Glenna, Leland L. 2023. “Are Intellectual Property Policies for Gene-edited Crops Fit for Purpose? The Perspective of German Scientists.” *Plants, People, Planet* 5(6): 976-984. <https://doi.org/10.1002/ppp3.10397>

Hirshl, Thomas A., James G. Booth, and Leland L. Glenna. 2023. “Religion and Climate Change Indifference: Linking the Sacred to the Social.” *Review of European Studies* 15(1): 11-23.

Gould, Fred, Richard M. Amasino, Dominique Brossard, C. Robin Buell, Richard A. Dixon, Jose B. Falck-Zepeda, Michael A. Gallo, Ken E. Giller, Leland L. Glenna, Timothy Griffin, Daniel

Magraw, Carol Mallory-Smith, Kevin V. Pixley, Elizabeth P. Ransom, David M. Stelly, C. Neal Stewart Jr. 2022. "Toward product-based regulation of crops." *Science* 377(6610): 1051-1053.

Bruce, Analena B., Yetkin Borlu, and Leland L. Glenna. 2022. "Assessing the scientific support for U.S. EPA pesticide regulatory policy governing active and inert ingredients." *Journal of Environmental Studies and Science* <https://doi.org/10.1007/s13412-022-00788-4>

Glenna, Leland and Curtis Stofferahn. 2022. "The Challenge of Christian Deliberation in a Libertarian Context: The Case of the ELCA's Social Statement on Genetics." *Worldviews: Global Religions, Culture, and Ecology* 27(3): 230-260.

Hatanaka, Maki, Jason Konefal, Johann Strube, Leland Glenna, and David Conner. 2021. "Data-Driven Sustainability: Metrics, Digital Technologies, and Governance in Food and Agriculture." *Rural Sociology* 87(1): 206-230.

Glenna, Leland, and Analena Bruce. 2021. "Suborning Science for Profit: Monsanto, Glyphosate, and Private Science Research Misconduct." *Research Policy* 50(7): 1-10.

Strube, Johann, Leland Glenna, Maki Hatanaka, Jason Konefal, and David Conner. 2021. "How Data-Driven, Privately Ordered Sustainability Governances Shapes US Food Supply Chains: The Case of Field to Market." *Journal of Rural Studies* 86: 648-693.

Chiles, Robert, Garrett Broad, Leland Glenna, Nicole Megowetti, Mark Gagnon, Lina Tami, Megan Griffin, Sienna Baker, and Kelly Beck. 2021. "Democratizing Ownership and Participation in the 4th Industrial Revolution: Challenges and Opportunities in Cellular Agriculture." *Agriculture and Human Values* 38(4): 943-961.

Welsh, Rick, Yuju Chien, Adiranne Traub, and Leland Glenna. 2021. "Plant Science and Intellectual Property Protections in Taiwan." *Rural Sociology* 86(4): 864-885.

Borlu, Yetkin and Leland Glenna. 2021. "Environmental Concern in a Capitalist Economy: Climate Change Perception Among U.S. Specialty-Crop Producers." *Organization & Environment* 34(2): 198-218. DOI: 10.1177/1086026619897545.

Konefal, Jason, Maki Hatanaka, Johann Strube, Leland Glenna, and David Conner. 2019. "Sustainability assemblages: From metrics development to metrics implementation in United States agriculture." *Journal of Rural Studies*. doi.org/10.1016/j.jrurstud.2019.10.023

Bell, Terrence H., Kevin Hockett, Ricardo Ivan Alcalá-Briseño, Mary Barbercheck, Gwyn A. Beattie, Mary Ann Bruns, John Carlson, Taejung Chung, Alyssa Collins, Bryan Emmett, Paul Esker, Karen Garrett, Leland Glenna, Beth K. Gugino, Maria del Mar Jimenez Gasco, Linda Kinkel, Jasna Kovac, Kurt Kowalski, Gretchen Kuldau, Johan Leveau, Matthew Michalska-Smith, Jessica Myrick, Kari Peter, Maria Vivanco Salazar, Ashley Shade, Nejc Stopnisek, Xiaoqing Tan, Amy Welty, Kyle Wickings, and Etienne Yergeau. 2019. "Manipulating Wild and Tamed Phytobiomes: Challenges and Opportunities." *Phytobiomes Journal* 3:3-21. doi.org/10.1094/PBIOMES-01-19-0006-W

Pixley, Kevin V., Jose Falck-Zepeda, Ken Giller, Leland L. Glenna, Fred Gould, Carol A. Mallory-Smith, David M. Stelly, and C. Neal Stewart. 2019. "Genome Editing, Gene Drive, and Synthetic Biology: Will They Contribute to Disease-Resistant Crops, and Who Will Benefit?" *Annual Review of Phytopathology* 57: 165-188. www.annualreviews.org/phyto/planned

Geiger, Nathan, Janet Swim, and Leland Glenna. 2019. "Spread the Green Work: A Social Community Perspective into Environmentally Sustainable Behavior." *Environment & Behavior* 51(5): 561-589.

Hesse, Arielle, Leland Glenna, Clare Hinrichs, and Robert Chiles. 2018. "Qualitative Research Ethics in the Big Data Era." *American Behavioral Scientist* 63(5): 560-583.

<https://journals.sagepub.com/doi/10.1177/0002764218805806>

Tobin, Daniel, and Leland Glenna. 2018. "Value Chain Development and the Agrarian Question: Actor Perspectives on Native Potato Production in the Highlands of Peru." *Rural Sociology* 84(3): 541-568. <https://doi.org/10.1111/ruso.12251>

Jacquet, Jeffrey B., Anne N. Junod, Dylan Bugden, Grace Wildermuth, Joshua T. Fergen, Kirk Jalbert, Brian Rahm, Paige Hagley, Kathryn J. Brasier, Kai Schafft, Leland Glenna, Timothy Kelsey, Joshua Fershee, David L. Kay, Richard C. Stedman, James Ladlee. 2018. "A Decade of Marcellus Shale: Impacts to People, Policy, and Culture from 2008 to 2018 in the Greater Mid-Atlantic Region of the United States." *The Extractive Industries and Society* 5(4): 596-609.

Chiles, Robert M., Leland Glenna, Amit Sharma, Jeffrey Catchmark, C. Daniel Azzara, and Audrey Maretzki. 2018. "Agri-food Firms, Universities, and Corporate Social Responsibility: What's in the Public Interest?" *Renewable Agriculture and Food Systems*, 1-11.

<https://doi.org/10.1017/S1742170518000376>

Hoy, Kyle A., Irene M. Xiarchos, Timothy W. Kelsey, Kathryn J. Brasier, and Leland L. Glenna. 2018. "Marcellus Shale Gas Development and Farming." *Agricultural and Resource Economics Review*, 1-31.

Glenna, Leland L., Yetkin Borlu, Thomas Gill, Janelle Larson, Vincent Riccardi, and Rahma Adam. 2017. "Food Security, Sweet Potato Production, and Proximity to Markets in Northern Ghana." *FACETS* 2:919-936.

Glenna, Leland L. 2017. "The Purpose-Driven University: The Role of University Research in the Era of Science Commercialization." *Agriculture and Human Values* 34(4): 1021-1031.

Fred Gould, Richard M. Amasino, Dominique Brossard, C. Robin Buell, Richard A. Dixon, Jose B. Falck-Zepeda, Michael A. Gallo, Ken E. Giller, Leland L. Glenna, Timothy Griffin, Bruce R. Hamaker, Peter M. Kareiva, Daniel Magraw, Carol Mallory-Smith, Kevin V. Pixley, Elizabeth P. Ransom, Michael Rodemeyer, David M. Stelly, C. Neal Stewart Jr., and Robert J. Whitaker. 2017. "Elevating the Conversation about GE Crops." (Letter) *Nature Biotechnology* 35(4):302-304.

Brandl, Barbara and Leland Glenna. 2017. "Intellectual Property and Agricultural Science and Innovation in Germany and the United States." *Science, Technology, & Human Values* 42(4): 622-

Tobin, Daniel, Leland Glenna, and Andre Devaux. 2016. "Pro-poor? Inclusion and Exclusion in Native Potato Value Chains in the Central Highlands of Peru." *Journal of Rural Studies* 46:71-80.

Borlu, Yetkin and Leland Glenna. 2015. "Fostering Consent in a Post-Fordist Regime: The Case of Industrial Maize Farming in Turkey." *Current Perspectives in Social Theory* 34: 17-40.

Glenna, Leland, Sally Shortall, and Barbara Brandl. 2015. "The University, Public Goods, and Food & Agricultural Innovation." *Sociologia Ruralis* 55(4): 438-459.

Glenna, Leland L., John Tooker, J. Rick Welsh, and David Ervin. 2015. "Intellectual Property, Scientific Independence, and the Efficacy and Environmental Impacts of Genetically Engineered Crops." *Rural Sociology* 80(2): 147-172.

Jones, Kristal, Leland L. Glenna, and Eva Weltzien. 2014. "Assessing Participatory Processes and Outcomes in Agricultural Research for Development from Participants' Perspectives." *Journal of Rural Studies* 35: 91-100.

Lacy, William B., Leland L. Glenna, Dina Biscotti, Rick Welsh, and Kate Clancy. 2014. "The Two Cultures of Science: Implications for University-Industry Relationships in U.S. Agriculture Biotechnology." *Journal of Integrative Agriculture* 12(1): 60345-60347.

Schafft, Kai A., Leland L. Glenna, Yetkin Borlu, and Brandn Q. Green. 2014. "Local Impacts of Unconventional Gas Development within Pennsylvania's Marcellus Shale Region: Gauging Boomtown Development through the Perspectives of Educational Administrators." *Society & Natural Resources* 27(4): 389-404.

Glenna, Leland L. and Christopher R. Henke. 2014. "Agricultural Technologies and the Structure of the North American Agrifood System." Pp. 85-102 in Connor Bailey, Leif Jensen, and Elizabeth Ransom (Eds.) *Rural America in a Globalizing World: Problems and Prospects for the 2010s* Morgantown, WV: West Virginia University Press.

Schafft, Kai A., Yetkin Borlu, and Leland Glenna. 2013. "The Relationship between Marcellus Shale Gas Development in Pennsylvania and Local Perceptions of Risk and Opportunity." *Rural Sociology* 78(2): 143-262.

Glenna, Leland, David Ader, Wenda Bauchspies, Abou Traoré, and Rita Afiavi Agboh-Noameshie. 2012. "The Efficacy of a Program Promoting Rice Self-Sufficiency in Ghana during a Period of Neoliberalism." *Rural Sociology* 77(4): 520-546.

Hirschl, Thomas A., James G. Booth, Leland L. Glenna, and Brandn Q. Green. 2012. "Politics, Religion, and Society: Is the United States Experiencing a Period of Religious-Political Polarization?" *Review of European Studies* 4(4): 95-109.

Biscotti, Dina, William B. Lacy, Leland L. Glenna, and Rick Welsh. 2012. "Constructing 'Disinterested' Academic Science: Relational Work in University-Industry Research

Collaborations.” *Politics & Society* 40(2): 273-308.

Glenna, Leland L., Rick Welsh, David Ervin, William B. Lacy, and Dina Biscotti. 2011. “Commercial Science, Scientists’ Values, and University Biotechnology Research Agenda” *Research Policy* 40(7): 957-968.

Ervin, David E. Leland L. Glenna, and Raymond A. Jussaume, Jr. 2011. “The Theory and Practice of Genetically Engineered Crops and Agricultural Sustainability.” *Sustainability* 3: 847-874.

Glenna, Leland L., Raymond A. Jussaume Jr., and Julie C. Dawson. 2011. “How Farmers Matter in Shaping Agricultural Technologies: Social and Structural Characteristics of Wheat Growers and Wheat Varieties.” *Agriculture and Human Values* 28(2): 213-224.

Glenna, Leland L. and Raymond A. Jussaume Jr. 2010. “Social Equity and the Genetically Engineered Crops Controversy.” *Choices* 25(2).

Glenna, Leland L. and Robert Roy Thomas. 2010. “From Renewable to Alternative: Waste Coal, the Pennsylvania Alternative Energy Portfolio Standard, and Public Legitimacy.” *Society & Natural Resources* 23(9): 856-871.

Ervin, David E., Leland L. Glenna, and Raymond A. Jussaume Jr. 2010. “Are biotechnology and sustainable agriculture compatible?” *Renewable Agriculture and Food Systems* 25(2): 143-157.

Mendum, Ruth and Leland L. Glenna. 2010. “Socioeconomic Obstacles to Establishing a Participatory Plant Breeding Program for Organic Growers in the United States.” *Sustainability* 2: 73-91.

Lacy, William B., Leland Glenna, Dina Biscotti and Rick Welsh. 2009. “Agricultural biotechnology, socioeconomic effects, and the fourth criterion.” Pp. 1-16 in Michael C. Flickinger (Ed.) *Wiley Encyclopedia of Industrial Biotechnology: Bioprocess, Bioseparation, and Cell Technology*. Hoboken, NJ: John Wiley & Sons, Inc.

Glenna, Leland L. and Daniel R. Cahoy. 2009. “Agribusiness Concentration, Intellectual Property, and the Prospects for Rural Economic Benefits from the Emerging Biofuel Economy.” *Southern Rural Sociology* 24(2): 111-129.

Gronski, Robert and Leland Glenna. 2009. “World Trade, Farm Policy and Agribusiness Accountability: The Role of Reflexive Modernization in Constructing a Democratic Food System.” *Southern Rural Sociology* 24(2): 130-148.

Hirschl, Thomas A., James G. Booth, and Leland L. Glenna. 2009. “The Link Between Voter Choice and Religious Identity in Contemporary Society: Bringing Classical Theory Back In.” *Social Science Quarterly* 90(4): 927-944.

Glenna, Leland L. and Georgi V. Mitev. 2009. “Global Neo-liberalism, Global Ecological Modernization, and a Swine CAFO in Rural Bulgaria.” *Journal of Rural Studies* 25(3):289-298.

Biscotti, Dina, Leland L. Glenna, William B. Lacy, and Rick Welsh. 2009. "The 'Independent' Investigator: How Academic Scientists Construct Their Professional Identity in University-Industry Agricultural Biotechnology Research Collaborations." *Economic Sociology of Work* 18: 261-285.

Glenna, Leland L. 2009. "Value-Laden Technocratic Management and Environmental Conflicts: The Case of the New York City Watershed Controversy." *Science, Technology, & Human Values* 34(6): 81-112.

Cahoy, Daniel R. and Leland Glenna. 2009. "Private Ordering and Public Energy Innovation Policy." *Florida State University Law Review* 36(3): 415-458.

Jussaume Jr., Raymond A. and Leland Glenna. 2009. "Considering Structural, Individual and Social Network Explanations for Ecologically Sustainable Agriculture: An Example Drawn from Washington State Wheat Growers." *Sustainability* 1:120-132.

Welsh, Rick, Leland Glenna, William Lacy, and Dina Biscotti. 2008. "Close Enough but Not Too Far: Assessing the Effects of University-Industry Research Relationships and the Rise of Academic Capitalism." *Research Policy* 37: 1854-1864.

Hirschl, Thomas A., Daniel A. Ahlquist, and Leland L. Glenna. 2008. "Ideology and the crisis of capitalism." *Workplace* 15: 75-92.

Glenna, Leland L. 2008. "Redeeming Labor: Making Explicit the Virtue Theory in Habermas's Discourse Ethics." *Critical Sociology* 34(6): 767-786.

Glenna, Leland L., Rick Welsh, William B. Lacy, and Dina Biscotti. 2007. "Industry Perceptions of University-Industry Relationships Related to Agricultural Biotechnology Research." *Rural Sociology* 72(4): 608-631.

Glenna, Leland and Ray Jussaume. 2007. "Organic and Conventional Farmers' Opinions on GM Crops and Marketing Strategies." *Renewable Agriculture and Food Systems* 22(2): 118-124.

Glenna, Leland, Margaret Gollnick, and Stephen Jones. 2007. "Eugenic Opportunity Structures: Teaching Genetic Engineering at US Land-Grant Universities Since 1911." *Social Studies of Science* 37(2): 281-296.

Glenna, Leland L., William B. Lacy, Rick Welsh, and Dina Biscotti. 2007. "University Administrators, Agricultural Biotechnology, and Academic Capitalism: Defining the Public Good to Promote University-Industry Relationships." *The Sociological Quarterly* 48(1): 141-164.

Welsh, Rick and Leland Glenna. 2006. "Considering the Role of the University in Conducting Research on Agri-biotechnologies." *Social Studies of Science* 36(6): 929-942.

Lacy, William B. and Leland Glenna. 2005/2006. "Democratizing Science in an Era of Expert and Private Knowledge." *International Journal of Technology, Knowledge, and Society* 1(3): 37-46.
www.technology-journal.com

Glenna, Leland. 2003. "Farm Crisis or Agricultural System Crisis: Defining National Problems in a Global Economy." *International Journal of Sociology of Agriculture and Food* 11(1):15-30.

Glenna, Leland. 2002. "Operationalizing Evil: Christian Realism, Liberal Economics, and Industrial Agriculture." *Agriculture and Human Values* 19(3): 205-216.

Glenna, Leland. 2002. "Liberal Economics and the Institutionalization of Sin: Christian and Stoic Vestiges in Economic Rationality." *Worldviews: Environment, Culture, Religion* 6(1): 31-57.

Glenna, Leland. 1999. "Systemic Constraints to Ecological Well-being: The Case of the 1985 Food Security Act." *Rural Sociology* 64(1): 131-155.

Glenna, Leland. 1999. "The Relative-Autonomy State Theory and Emancipatory Strategies." *Rural Sociology* 64(1): 162-169.

Glenna, Leland. 1996. "Rationality, Habitus, and Agricultural Landscapes: Ethnographic Case Studies in Landscape Sociology." *Agriculture and Human Values* 13(4): 21-38.

Books

Committee on Genetically Engineered Crops. 2016. *Genetically Engineered Crops: Experiences and Prospects*. Washington, DC: The National Academies Press.

Evangelical Lutheran Church in America Task Force on Genetics. 2008. *Genetics and Faith: Power, Choice, and Responsibility* Chicago: Evangelical Lutheran Church in America.

Book Chapters and Non-refereed Publications

Hoffelmeyer, Kathleen Sexsmith, and Leland Glenna. 2024. "Divergent Approaches to the 'Family Farm': Celebrate, Reform, or Abolish?" *Agriculture and Human Values* 41: 1309-1316.

Glenna, Leland, Paige Castellanos, Leif Jensen, Janelle Larson, Kaitlin Fischer, Edward Martey, Doris Puozaa, and Richard Oteng-Frimpong. 2025. "Time Poverty Among Women Smallholders in Ghana: Implications for Gender Priorities in the Peanut Value Chain." Pp. 212-216 in Jemimah Njuki, Hale Tufan, Vivian Polar, Hugo Campos, and Monifa Morgan-Bell (Eds.) *Gender, Power, and Politics in Agriculture: Revisiting Theory and Practice Cham*, Switzerland: Springer Nature.

Glenna, Leland L. 2023. "Intellectual property rights in agriculture: ethical issues." Ed. By Robert Zimdahl. *Key Issues in Agricultural Ethics*. Cambridge, UK: Burleigh Dodds Science Publishing Limited.

Glenna, Leland and Elizabeth Ransom. 2021. "Impacts of GE Crop Technologies on Farmers." Pp. 86-101 in Harvey S. James (Ed.) *Handbook on the Human Impact of Agriculture* Cheltenham, UK: Edward Elgar Publishing Ltd.

Glenna, Leland. 2020. "The Value of Public Agricultural and Food Knowledge During Pandemics." *Agriculture and Human Values* 37: 607-608.

Camacho-Villa, Tania Carolina, Luis Barba-Escoto, Juan Burgueño-Ferreira, Ann R. Tickamyer, Leland Glenna, and Santiago López-Ridaaura. 2019. "Diversity of Small-Scale Maize Farmers in the Western Highlands of Guatemala: Integrating Gender into Farm Typologies." Pp. 93-110 in Sachs, Carolyn E. (Ed.) *Gender, Agriculture and Agrarian Transformations*. London, UK: Routledge.

Glenna, Leland and Elizabeth P. Ransom. 2016. "Agricultural Science and Technology: Tensions and Contradictions." Pp. 240-249 in Mark Shucksmith and David L. Brown (Eds.) *Routledge International Handbook of Rural Studies*. New York, NY: Routledge.

Brasier, K., L. Davis, L. Glenna, T. Kelsey, D. McLaughlin, K. Schafft, K. Babbie, C. Biddle, A. Delessio-Parson, D. Rhubart, and M. Suchyta. 2015. "Communities under the Boom of Shale Gas Development." Pp. 149-178 in W. E. Hefley and Y. Wang (eds.), *Economics of Unconventional Shale Gas Development - Case Studies and Impacts*. Geneva, Switzerland: Springer.

Glenna, Leland, Barbara Brandl, and Kristal Jones. 2015. "International Political Economy of Agricultural Research and Development." Pp. 322-343 in Alessandro Bonanno and Lawrence Busch (Eds.) *Handbook of International Political Economy of Agriculture and Food*. Northhampton, MA: Edward Elgar Publishing Limited.

Glenna, Leland and Kristal Jones. 2014. "Genetically Engineered Crops and Rural Society." Pp. 93-106 in A. Richroch, S. Chopra and S. Fleischer (Eds.), *Plant Biotechnology: Experience and Future Prospects*. Cham, Switzerland: Springer International Publishing.

Brasier, K., L. Davis, L. Glenna, T. Kelsey, D. McLaughlin, K. Schafft, K. Babbie, C. Biddle, A. Delessio-Parson, and D. Rhubart. 2014. *The Marcellus Shale Impacts Study: Chronicling Social and Economic Change in North Central Pennsylvania*. Final Report to the Center for Rural Pennsylvania.

Brasier, K., L. Davis, L. Glenna, T. Kelsey, D. McLaughlin, K. Schafft, K. Babbie, C. Biddle, A. Delessio-Parson, and D. Rhubart. 2014. *The Marcellus Shale Impacts Study: Chronicling Social and Economic Change in Southwest Pennsylvania*. Final Report to the Center for Rural Pennsylvania.

Swim, Janet K., Brandn Q. Green B. Q., Leland L. Glenna. 2011. "Religious organizations as a social context for achieving a more environmentally sustainable society." In Paul J. Kirbas (Ed.), *This Sacred Earth: Scientific and Religious Perspectives on Nature and Humanity's Place Within It*. Lima, OH: Wyndom Hall Press.

Evangelical Lutheran Church in America Task Force on Genetics. 2010. *Draft Social Statement on Genetics* Chicago: Evangelical Lutheran Church in America.

Glenna, Leland and Robert Gronski. 2008. "Neoliberal Economics." Volume 2, pp. 675-682 in Gary A. Goreham (Ed.) *Encyclopedia of Rural America: The Land and People* Millerton, NY: Grey House Publishing.

Glenna, Leland. 2004. "Religion." In *Challenges for Rural America in the 21st Century* Ed. by David L. Brown and Louis Swanson. University Park, PA: The Pennsylvania State University Press. Pp. 262-272.

Glenna, Leland. 2004. "Commercial Science and World Hunger: Issues of Social Justice Concerning Genetically Modified Organisms." *Journal of Lutheran Ethics*. April 4(4).

Pfeffer, Max J., J. Mayone Stycos, Leland Glenna and Joyce Altobelli. 2001. "Forging New Connections Between Agriculture and the City." In Otto Solbrig, Rob Paarlberg and Francesco DiCatri (eds.), *Globalization and the Rural Environment*. Cambridge: Harvard University Press.

Stycos, J. Mayone, Leland Glenna, and Max J. Pfeffer. 1998. "Watershed Views: A Public Opinion Survey on the New York City Watershed. Report 7." February. Cornell University.

Glenna, Leland. 1998. "A Response to the Vision Statement for a New Farming Ethic." *Earth Ethics* 9(3&4): 6.

Book Reviews

Glenna, Leland L. 2025. "Review of Nahoko Kameo's *Cosmopolitan Scientists: How a Global Policy of Commercialization Became Japanese*." *Social Forces* 103: 1-3.

Glenna, Leland. 2024. "From Market Concentration to Political Corruption." A Review of *Barrons: Money, Power, and the Corruption of America's Food Industry* by Austin Frerick. *Journal of Agriculture, Food Systems, and Community Development* 13(3): 363-365.

Glenna, Leland. 2023. "On the Rural: Economy, Sociology, Geography." *Contemporary Sociology* 52(5): 454-455.

Glenna, Leland. 2015. "Review of Corporate Crops: Biotechnology, Agriculture, and the Struggle for Control." By Gabriela Pechlaner. *Contemporary Sociology* 43(4): 568-570.

Glenna, Leland. 2010. "Review of Ly de Angeles, Emma Restall Orr, and Thom van Dooren, eds., *Pagan Visions for a Sustainable Future*." *The Pomegranate* 12(1): 114-117

Glenna, Leland. 2007. "Review of Jack R. Kloppenburg, Jr., *First the Seed: The Political Economy of Plant Biotechnology* (2nd Ed.)." *Agriculture and Human Values* 24(2): 269-270.

Glenna, Leland. 2006. Review of T.J. Centner, *Empty Pastures: Confined Animals and the Transformation of the Rural Landscape*. *Journal of Rural Studies* 22(2006): 246-247.

Glenna, Leland. 2003. Review of *Economics as Religion: From Samuelson to Chicago and Beyond* by Robert H. Nelson. *Worldviews: Environment, Culture, Religion*. 7(1/2): 221-222.

Glenna, Leland. 2002. Review of *The Eclipse of Morality: Science, State, and Market* by Lawrence Busch. *Journal of Peasant Studies* 18(1): 105-106.

Glenna, Leland. 2001. Review of *Farm: A Year in the Life of an American Farmer* by Richard Rhodes and *Changing the Way America Farms: Knowledge and Community in the Sustainable Agriculture Movement* by Neva Hassanein. *Rural Sociology* 66(4): 638-642.

Glenna, Leland. 1996. Review of *The Yahwist's Landscape* by Theodore J. Hiebert. *Agriculture and Human Values* 14(2): 194-196.

Grants Received

2019-2022	\$519,964 to study alternative economic platforms for cellular agriculture
2019-2022	\$436,961 from USAID to study women's time poverty among peanut producers in Northern Ghana
2018-2023	\$3,000,000 from the NSF to promote interdisciplinary graduate education
2018	\$10,000 from Oxfam to study Neglected and Underutilized Species of Crops
2017-2020	\$358,470 to study Farmer Adoption of Sustainability Metrics and Standards in the U.S.
2016-2018	\$59,000 from NSF to hold workshop on Qualitative Ethics in an Era of Big Data
2015-2016	\$30,000 from the USDA to study farm-level impacts of natural gas drilling
2014-2018	\$194,897 from AfricaRice to study rice production in West Africa
2014-2015	\$27,993 from the USDA to study farm-level impacts of natural gas drilling
2014-2015	\$100,000 from the Pennsylvania Center for Rural Pennsylvania to study social and economic impacts of Marcellus Shale development
2012-2016	\$516,031 from USDA to study the social impacts of automated specialty crop pruning devices
2012-2014	\$85,000 from USAID to study sweet potato value chain in Ghana
2012-2013	\$100,000 from the Pennsylvania Center for Rural Pennsylvania to study social and economic impacts of Marcellus Shale development

2011-2014	\$74,202 McKnight Foundation/ICRISAT funding to examine effects of participatory plant breeding projects
2011-2013	\$75,000 Penn State Alliance for Education, Science, Engineering and Development in Africa to develop a service learning program in Kenya
2010	\$19,000 seed grant to study effects of Marcellus Shale gas development on Pennsylvania school districts
2008	\$15,000 seed grant from the Penn State University College of Agricultural Sciences to study rice farming in northern Ghana
2006	\$1500 from the Pennsylvania State University Office of International Programs for a Student Group Travel Grant to support a study abroad trip to Belize.
2001-2005	\$2.1 million from USDA. Part of a team of researchers to study Public Goods and University-Industry Relationships in Agricultural Biotechnology. (Administered through Portland State University)
2003-2005	\$200,000 from US State Department. Part of a team of Cornell University and Rouse University researchers that secured to develop a Regional Economic Development Curriculum at Rouse University in Rouse, Bulgaria (Administered through Cornell University)
1997	\$1500 from Aid Association for Lutherans to host a biotechnology and ethics panel at Cornell University.

Teaching

“Classical Theory for Rural Sociology” Fall 2009, 2011, 2013, 2015, 2017 Graduate (Penn State)

“Contemporary Social Theory” Spring 2008, Fall 2010, 2012, 2014, 2016 Graduate (Penn State)

“Power, Conflict, and Community Decision Making” Spring 2015, 2016, Fall 2017 Undergraduate (Penn State)

“Society and Natural Resources” Spring 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, Fall 2011 and 2012 Undergraduate (Penn State)

“Agricultural Science and Technology Studies” Fall 2006 Graduate (Penn State)

“Agriculture, Community, and Environment” Spring 2005, Undergraduate (Washington State)

“Foundations of Environmental Sociology” Fall 2000, Graduate (Cornell)

“Genomics and Society” Fall 2001, Undergraduate (Cornell)

“Environment and Society” Springs 1998-2002, Undergraduate (Cornell)

“Sociology of Sustainable Development” Falls 2000-2001, Undergraduate (Cornell)

Advising

I served as Community, Environment, and Development Program Coordinator from 2011 to 2017. During that time, I had anywhere from 25-30 undergraduate advisees. I have advised or am advising 9 graduate students since coming to Penn State.

I served as faculty advisor for four senior theses and four independent studies, as an interviewer for the Health Careers Evaluation Committee (preparing students for the medical school application process), and for one year as a Faculty Fellow. While at the University of Missouri, I was a teaching assistant for a course on the Amish and introductory rural sociology.

Professional Membership and Service

- Advisory Board Member of the Science, Medicine, and Technology in Culture Initiative of the Penn State STS Program.
- Rural Sociological Society
- Agriculture, Food, and Human Values Society
- American Sociological Association
- Rural Sociological Society (Co-Chair Sociology of Agriculture Interest Group 2000-2001), current RSS Council Member
- Manuscript Reviewer for numerous Journals

Invited Seminars and Lectures

Glenna, Leland. “Reforming Intellectual-Property Policies to Promote Agricultural Innovation.” Seminar sponsored by the Rural Computing Research Consortium and the Mary B. Quello Center for Media & Information Policy at The Michigan State University (via Zoom). East Lansing, Michigan. 18 November 2024.

Glenna, Leland. “Reforming Intellectual-Property Policies to Promote Agricultural Innovation.” Seminar given to the Delaware Valley University One Health Seminar Series (via Zoom). Doylestown, Pennsylvania. 6 November 2024.

Glenna, Leland. “Corporate Influence on US Intellectual Property Policy.” Guest lecture delivered to Daniel Azzara’s class at The Pennsylvania State University, “Corporate Social and Environmental Performance.” University Park, Pennsylvania. 5 November 2024.

Glenna, Leland. “Data-driven Governance of the US Ag and Food System.” Guest lecture delivered to Rick Welsh’s class at Syracuse University (via Zoom). Syracuse, New York. 29 March 2023.

Glenna, Leland. “The Future of Gene Editing in the European Union’s Agriculture Research.” Invited presentation to the James Hutton Institute. Dundee, Scotland. 24 February 2023.

Glenna, Leland. “Are Intellectual Property Policies for Gene-Edited Crops Fit for Purpose? The Perspectives of German Scientists.” Invited presentation to the James Hutton Institute. Aberdeen, Scotland. 23 February 2023.

Glenna, Leland. “Gene-Edited Crops and the Public Good: The Case of the 2018 European Court of Justice Ruling.” Invited presentation to the Department of Food and Resource Economics at the University of Copenhagen. Copenhagen, Denmark. 2 June 2022.

Glenna, Leland. “Suborning Science for Profit.” Guest lecture delivered to Barbara Brandl’s class at Frankfurt University. Frankfurt, Germany. 10 May 2022.

Glenna, Leland. “The Future of Gene Editing in the European Union’s Agriculture and Food Research.” Invited presentation to the Center for Sustainable Society Research at the University of Hamburg. Hamburg, Germany. 5 May 2022.

Glenna, Leland. “Reflexive Subterfuge and the End of the Second Modernity?” Invited presentation to the Center for Sustainable Society Research at the University of Hamburg. Hamburg, Germany. 18 November 2021.

Glenna, Leland, Edward Martey, and Kaitlin Fischer. “Finding enough hours in the day: Can agricultural innovation help alleviate women’s time poverty?” Invited presentation to the University of Georgia’s Peanut Innovation Lab Webinar. https://kaltura.uga.edu/media/t/1_45xc79g9. 11 November 2021.

Glenna, Leland. “Reflexive Subterfuge and the End of the Second Modernity?” Invited presentation to the Center for Sustainable Society Research at the University of Hamburg. Hamburg, Germany. 18 November 2021.

Glenna, Leland, Edward Martey, and Kaitlin Fischer. “Finding enough hours in the day: Can agricultural innovation help alleviate women’s time poverty?” Invited presentation to the University of Georgia’s Peanut Innovation Lab Webinar. https://kaltura.uga.edu/media/t/1_45xc79g9. 11 November 2021.

Glenna, Leland, Chris Newman, Michael K. Doane, and Modesta Abugu. “Peering into the AG Pipeline: What Gene-Edited Products are Coming Soon, and How Should Potential Societal Benefits be Prioritized and Assessed.” Panel Discussion for CRISPRcon: Conversations on science, society & the future of Gene Editing. Moderated by Franklin Holley. A program of the nonprofit non-advocacy The Keystone Center. 1 October 2020.

Glenna, Leland, Lee Ahern, and Maria Vivanco. “Perspectives on Social Innovation Among Agricultural Scientists.” Invited presentation to the 21st Penn State Plant Biology Symposium: Wild and Tamed Phytobiomes. The Pennsylvania State University, University Park, PA, USA. 19-22 June 2018.

Glenna, Leland. "Managing Global Climate Change Through Mitigation and Adaptation." Invited presentation at the Public Affairs Conference. Missouri State University, Springfield, MO, USA. 11-12 April 2018.

Glenna, Leland. "Armchair Experts: The Role of Social Media in Authentic Public Information." Invited presentation at the Public Affairs Conference. Missouri State University, Springfield, MO, USA. 11-12 April 2018.

Glenna, Leland. "The Role of Science, Facts, and Research in Creating a Sustainable Future." Invited presentation at the Public Affairs Conference. Missouri State University, Springfield, MO, USA. 11-12 April 2018.

Glenna, Leland and Abou Traore. "Social Institutional Factors Affecting Rice Yield Gaps." Invited Presentation to the Bordo Agricultural Research Center, Kankan, Guinea. 12 July 2017.

Glenna, Leland. "GMOs, Organic, & Agricultural Industries." Pennsylvania State University Extension Conference 2017. Altoona, Pennsylvania. 19 April 2017.

Glenna, Leland. "The Purpose-Driven Research University." Invited presentation for The Social Thought Program "Does the Public University Have a Future?" The Pennsylvania State University. State College, PA. 25 March 2017.

Glenna, Leland. "The Future of Rural Studies as an Interdisciplinary Enterprise: Agricultural Science and Technology." Cornell University, Ithaca, New York. 2 February 2016.

Glenna, Leland. "Social and Economic Effects of GE Crops - Report Finding." Forum of Scientific Society Leaders on Genetically Engineered Crops: Experiences and Prospects. National Academies of Science, Washington, DC. 7 December 2016.

Glenna, Leland. "Climate Justice and Rural America." Pennsylvania Interfaith Power & Light 2016 Annual Conference, 30 October 2016, State College, Pennsylvania.

Glenna, Leland, Yetkin Borlu, Anouk Patell-Campillo, and Tyler Augst. "Social and Economic Dimensions of Automated Pruning in Apple and Wine-Grape Production." Indiana Horticultural Congress, Indianapolis, IN, 21 January 2016.

Glenna, Leland. "Socio-Technical Change in Agri-Food Systems: A Research Agenda." Newcastle University, Newcastle, UK, 16 December 2015.

Glenna, Leland. "Relevance of Research Agenda to Socio-Technical Change in Agri-Food Systems." Newcastle University, Newcastle, UK, 15 December 2015.

Glenna, Leland. Author Meets Critic on Jess Gilbert's *Planning Democracy Agrarian Intellectuals and the Intended New Deal*. Panelist. Annual Meeting of the Rural Sociological Society, Madison, WI, 6-9 August 2015.

Harper, Jayson, Leland Glenna, and Anouk Patel-Campillo. “Pruning Running Late: Time to Automate?” Paper presented at the Mid-Atlantic Fruit and Vegetable Convention, Hershey, PA, 27 January 2015.

Glenna, Leland and Ross Pifer. “GMOs and Intellectual Property: Impacts of GMOs on Researchers, Farmers, and Companies.” Penn State Agricultural Council Research Tour 2014. 25 September 2014. Russell E. Larson Agricultural Research Farm, Pennsylvania Furnace, PA.

Glenna, Leland, Sally Shortall, and Barbara Brandl. “The University, Public Goods, and Food & Agricultural Innovation.” Invited paper presented at the Institut für Soziologie at the Ludwig-Maximilians-Universität, München, Germany. 5 June 2014.

Glenna, Leland L. “Social and Economic Effects of Marcellus Shale Gas Development on Pennsylvania Schools and Communities.” Environmental Studies and Sustainability Program Lecture, Colgate University, Hamilton, NY, 19 April 2013.

Glenna, Leland. “University Agricultural Biotechnology Research in an Era of Commercial Science.” Invited presentation at the IGERT Symposium “Re-examining U.S. GMO Governance: Continuing Tensions & Contemporary Conflicts.” University of Minnesota, St. Paul, MN. 27 April 2012.

Glenna, Leland. “Should Seeds be Patented?” Paterno Fellows Forum. The Pennsylvania State University, University Park, PA. 30 August 2011.

Glenna, Leland. “Obstacles to Achieving Food Security: The Case of Rice Farmers in Northern Ghana.” Plenary Speaker for the Thiel College 13th Annual Earth Celebration “Justice, Just Us and the Earth.” Greenville, PA. 12 April 2011.

Glenna, Leland L. “Food Security, Gender, and African Rice Farming: Conceptual Framework for a Social Impact Assessment Working Group.” Invited paper presentation, Africa Rice Institute (WARDA), Cotonou, Benin, 18 July 2006.

Glenna, Leland. “University Agricultural Biotechnology Research and Commercialized Science.” Invited paper presented at the Washington State University Crops Seminar Series. 14 February 2005.

Glenna, Leland. “Globalization, Ecological Modernization, and CAFOs.” Delivered to Professor Georgi Mitev’s class at Rousse University, Rousse, Bulgaria. 19 May 2005.

Glenna, Leland. “Globalization and Sustainable Agriculture.” Delivered to Professor Nikolay Naydenov’s class at Rousse University, Rousse, Bulgaria. 19 May 2005.

Conference Presentations

Glenna, Leland. “The Future of Intellectual Property on Agricultural Crops: Reforming Intellectual-Property Policies to Promote Agricultural Innovation.” Paper presented at the annual meeting of the Rural Sociological Society, Salt Lake City, Utah. 30 July to 2 August 2025.

Glenna, Leland. "Contributions of Bill Heffernan's Work in Understanding and Informing Intellectual Property." Paper presented at the annual meeting of the Rural Sociological Society, Salt Lake City, Utah. 30 July to 2 August 2025.

Glenna, Leland. "Structural and Cultural Dimensions of White Christian Nationalism in the Rural United States." Paper presented at the bi-annual congress of the European Society for Rural Sociology, Riga, Latvia. 7-11 July 2025.

Glenna, Leland, Garrett Broad, Ellie Martin, and Rob Chiles. 2024. "Factors Affecting Consumer Perspectives on Cell-Cultured Meat: Examining the Role of Trust." Paper presented at the annual meeting of the Rural Sociological Society, Madison, Wisconsin. 24-28 July 2024.

Borlu, Yetkin and Leland Glenna. "Ecological Concern in a Capitalist Economy: Climate Change Perception among U.S. Specialty Crop Producers." Paper presented at the annual meeting of the American Sociological Association, New York, New York. 10-13 August 2019.

Konefal, Jason, Maki Hatanaka, Johan Strube, Leland Glenna, and David Conner. "Private Governance and Sustainability Transitions: Sustainability Assemblages in US Agriculture." Paper presented at the annual meeting of the American Sociological Association, New York, New York. 10-13 August 2019.

Hatanaka, Maki, Johann Strube, Jason Konefal, and Leland Glenna. "Calculating Sustainability: Metrics, Calculators, and Governance in Agrifood Alternative Economic Platforms for Cellular Agriculture." Paper presented at the Rural Sociological Society Annual Conference, Richmond, Virginia. 7-10 August 2019.

Glenna, Leland and Analena Bruce. "Questioning the Legitimacy of the United States' Agriculture and Food Regulatory System: The Case of Monsanto and Glyphosate." Paper presented at the Rural Sociological Society Annual Conference, Richmond, Virginia. 7-10 August 2019.

Glenna, Leland and Daniel Tobin. "The Role of Agricultural Science in a Chayanovian Approach to Agricultural Development." Paper presented at the Agriculture, Food, and Human Values Society Annual Conference, The University of Alaska, Anchorage Alaska, 26-29 June 2019.

Konefal, Jason, Maki Hatanaka, Johan Strube, Leland Glenna, and David Conner. "Implementing Sustainability in Big Food: Metrics, Assemblages, and Sustainability in US Agriculture." Paper presented at the Agriculture, Food, and Human Values Society Annual Conference, The University of Alaska, Anchorage Alaska, 26-29 June 2019.

Hatanaka, Maki, Jason Konefal, Johan Strube, Leland Glenna, and David Conner. "Governing Sustainability through Performance Metrics." Paper presented at the Agriculture, Food, and Human Values Society Annual Conference, The University of Alaska, Anchorage Alaska, 26-29 June 2019.

Glenna, Leland and Analena Bruce. "Questioning the Legitimacy of the United States' Agriculture and Food Regulatory System: The Case of Monsanto and Glyphosate." Paper presented at the Trans-Atlantic Rural Research Network. Aberdeen, Scotland. 3-5 April 2019.

Borlu, Yetkin and Leland Glenna. "Three Materialisms: Climate Change Perception among U.S. Specialty Crop Producers." Paper presented at the Rural Sociological Society Annual Conference, Portland, Oregon. 27-30 July 2018.

Glenna, Leland and Maria Vivanco. "Institutional Corruption, Commercial Science, and Agricultural Research at Land-Grant Universities." Paper presented at the Rural Sociological Society Annual Conference, Portland, Oregon. 27-30 July 2018.

Strube, Johann, Maki Hatanaka, Jason Konefal, and Leland Glenna. "Understanding the Increasing Private Ordering of Sustainability in US Agriculture Through a Study of Multi-Stakeholder Initiatives." Paper presented at the Agriculture, Food, and Human Values Society Annual Conference, Madison, Wisconsin. 13-16 June 2018.

Glenna, Leland, Lawrence Busch, and David Ervin. "Agricultural Automation & the Future of Farm Work." Presentation at the Pennsylvania Association for Sustainable Agriculture Annual Meeting, State College, Pennsylvania. 10 February 2018.

Glenna, Leland, Grace Wildermuth, Kathy Brasier, Kai Schafft, and Tim Kelsey. "The Gap between the Economic Growth Narrative and Individual Economic Benefits in the Marcellus Shale Region." Paper presented at the Rural Sociological Society Annual Conference, Columbus, Ohio. 27-30 July 2017.

Glenna, Leland and Abou Traore. "Technoscience and Development in Guinean Rice Production." Paper presented at the Rural Sociological Society Annual Conference, Columbus, Ohio. 27-30 July 2017.

Glenna, Leland, Yetkin Borlu, and Maria Vernando Vivanco. "Factors Associated with Apple and Wine-Grape Producer Interest in Automated Pruning." Paper presented at the Rural Sociological Society Annual Conference, Columbus, Ohio. 27-30 July 2017.

Bruce, Analena and Leland Glenna. "Evaluating the Trustworthiness of EPA Pesticide Regulatory Policy." Paper presented at the Rural Sociological Society Annual Conference, Columbus, Ohio. 27-30 July 2017.

Glenna, Leland. "The Purpose-Driven Research University." Invited presentation for The Social Thought Program "Does the Public University Have a Future?" Presidential Address to the Agriculture, Food, and Human Values Society Annual Conference, Occidental, California. 17 June 2017.

Glenna, Leland, Rick Welsh, and David Ervin. "Genetically Engineered Crops and the Public Good." Paper presented at the International Rural Sociological Association Conference, Toronto, Canada. 10-14 August 2016.

Glenna, Leland L., Yetkin Borlu, and Anouk Patel-Campillo. "Prospects for Automated Pruning in Apple and Wine-Grape Production." Paper presented at the Rural Sociological Society Annual Conference, Toronto, Canada. 7-11 August 2016.

Glenna, Leland and Carmen Hubbard. "Comparing the Impacts of Neoliberalism on Food and Agricultural Research in the UK and the US." Paper presented at the Agriculture, Food, and Human Values Conference, Toronto, Ontario. 22-25 June 2016.

Brandl, Barbara and Leland Glenna. "Intellectual Property and Agricultural Science and Innovation in Germany and the United States." Paper presented at the Trans-Atlantic Rural Research Network, Belfast, Ireland. 16-17 May 2016.

Glenna, Leland, Yetkin Borlu, Anouk Patell-Campillo, and Tyler Augst. "Apple and Wine-grape Growers' Perspectives on Automated Pruning." Paper presented at the Annual Meeting of the Rural Sociological Society, Madison, WI, 6-9 August 2015.

Leland Glenna, Yetkin Borlu, Tom Gill, Janelle Larson, Vincent Ricciardi, Rahma Adam. "Sweet Potato Production, and Distance to Trade Centers in Northern Ghana." Paper presented at the Annual Meeting of the Agriculture, Food, and Human Values Society, Pittsburgh, PA, 24-28 June 2015.

Glenna, Leland and Barbara Brandl. "New Public Goods Theory and Good and Agricultural Science and Innovation in Germany and the United States." Paper presented at the Annual Meeting of the Rural Sociological Society, New Orleans, LA, 31 July- 3 August 2014.

Glenna, Leland, John Tooker, Rick Welsh, and David Ervin. "Intellectual Property and Agricultural Innovation: The Case of Genetically Engineered Crops." Paper presented at the Annual Meeting of the Social Science History Association, Chicago, IL, 18-21 November 2013.

Glenna, Leland, John Tooker, Rick Welsh, and David Ervin. "Intellectual Property and Agricultural Innovation: The Case of Genetically Engineered Crops." Paper presented at the Annual Meeting of the Rural Sociological Society, New York, NY, 6-9 August 2013.

Glenna, Leland and Shoshana Inwood. "The Revitalization of Rural Sociology in Undergraduate Education." Panel participation at the Annual Meeting of the Rural Sociological Society, New York, NY, 6-9 August 2013.

Schafft, Kai Arthur, Leland L. Glenna, and Yetkin Borlu. "Marcellus Shale Natural Gas Development: Perception of Risk and Opportunity amongst School Administrators in Pennsylvania." Paper presented at the Annual Meeting of the Rural Sociological Society, Chicago, IL, 26-29 July 2012.

Glenna, Leland L. and Curtis Stofferahn. "Status Strain in Farmer Opposition to the ELCA's Genetics and Faith Statement." Paper presented at the Annual Meeting of the Rural Sociological Society, Chicago, IL, 26-29 July 2012.

Glenna, Leland, William Lacy, Rick Welsh, and Dina Biscotti. "Institutional Norms, Scientists' Values, and Intellectual Property in the Context of Agricultural Biotechnology Research." Paper presented at the Annual Meeting of the Rural Sociological Society, Boise, ID. 28-31 July 2011.

Glenna, Leland L. and Curtis Stofferahn. "When "Farming and Faith Collide": Factors Shaping a Controversy over the ELCA's Genetics and Faith Statement." Paper presented at the Annual Meeting of the Rural Sociological Society, Boise, ID, 28-31 July 2011.

Hirschl, Thomas, James G. Booth, Leland Glenna, and Brandn Green. "An Empirical Test of Individualist vs. Social Models." Paper presented at the Annual Meeting of the Rural Sociological Society, Boise, ID, 28-31 July 2011.

Kai Schafft, Leland Glenna, James Ladlee, and Jeannette Carter. "Marcellus Shale Opportunities and Challenges: What Schools Are Saying." Research presented at 2010 ShaleNET Workforce Forum. Altoona, Pennsylvania. 11 October 2010.

Kai Schafft, Leland Glenna, James Ladlee, and Jeannette Carter. "Assessing School Responses to Changing Workforce and Community Conditions in Rural Pennsylvania in the Context of Marcellus Shale Development." Research proposal presented at 2010 Marcellus Summit: Building a Sustainable Future. State College, Pennsylvania. 11 October 2010.

Leland Glenna, Rick Welsh, William Lacy, and Dina Biscotti. "Effects of University-Industry Research Collaborations on participating Organizations and Scientists." Paper presented at the Annual Meeting of the Rural Sociological Society, Atlanta, GA. 12-15 August 2010.

John Eshleman, John, Kathryn J. Brasier, and Leland L. Glenna. "Knowledge Co-Production, Farming Networks, and 'The Cutting Edge': A Comparison of Three Agricultural Field Day Models." Paper presented at the Annual Meeting of the Rural Sociological Society, Atlanta, GA. 12-15 August 2010.

Leland Glenna, William Lacy, Rick Welsh, and Dina Biscotti. "Agricultural Biotechnology, Biopolitics, and the Re-disciplining of University Scientists." Annual Meeting of the Agriculture, Food, and Human Values Society, Bloomington, Indiana, 2-5 June 2010.

William B. Lacy, Leland Glenna, Dina Biscotti, and Rick Welsh. "Agricultural biotechnology, socioeconomic effects, and the fourth criterion." Annual Meeting of the Agriculture, Food, and Human Values Society, Bloomington, Indiana, 2-5 June 2010.

Rick Welsh, Leland Glenna, William Lacy, and Dina Biscotti. "Scientists' and Administrators' Perspectives on University Research Environment and the Criteria for Research Problem Choice." Paper presented at the Annual Meeting of the Society for Social Studies of Science, Washington, DC. 28-31 October 2009.

William B. Lacy, Leland Glenna, Dina Biscotti, and Rick Welsh. "Agricultural biotechnology, socioeconomic effects, and the fourth criterion." Annual Meeting of the Agriculture, Food, and Human Values Society, State College, PA. 28-31 May 2009.

Ruth M. Mendum and Leland Glenna. "The rightful place of agricultural science." Annual Meeting of the Agriculture, Food, and Human Values Society, State College, PA. 28-31 May 2009.

David Ader and Leland Glenna. "The efficacy of a program promoting rice self-sufficiency in Ghana." Annual Meeting of the Agriculture, Food, and Human Values Society, State College, PA. 28-31 May 2009.

Jessica Bagdonis, Leland Glenna, Frank Higdon and Esther Prins. "Local agriculture in Belize: Challenges and opportunities in the Placencia Peninsula." Annual Meeting of the Agriculture, Food, and Human Values Society, State College, PA. 28-31 May 2009.

Ruth Mendum and Leland Glenna. "Social Relations of Plant Breeding in an Era of Climate Change." Paper presented at the Annual Meeting of the Rural Sociological Society, Madison, WI. 30 July-2 August 2009.

C. Clare Hinrichs, Dara Bloom, and Leland Glenna. "Discourse and Strategy Regarding Biotechnologies in Developing Sustainable Biofuel Standards." Paper presented at the Annual Meeting of the Rural Sociological Society, Madison, WI. 30 July-2 August 2009.

Leland Glenna, Wenda Bauchspies, David Ader, Abou Traore, and Rita Afiavi Agboh-Noameshie. "Impacts of Agricultural Technologies on Food Security and Economic Prosperity for Farm Households in Guinea and Ghana." Paper presented at the Annual Meeting of the Rural Sociological Society, Madison, WI. 30 July-2 August 2009.

Rick Welsh, Leland Glenna, William Lacy, and Dina Biscotti, "Choice of Research Priorities by Public and Private Sector" Paper presented at the European Association for the Study of Science and Technology meetings, Rotterdam, The Netherlands. 21 August 2008,

Dina Biscotti, William B. Lacy, Leland Glenna, and Rick Welsh "The "Independent Investigator": Resource Dependence Dilemmas in University-Industry Agricultural Biotechnology Research Collaborations" Paper presented at the American Sociological Society meetings, Boston, Massachusetts. 3 August 2008.

Leland Glenna, Raymond Jussaume, and Julie Dawson, "How Farmers Matter in Technology Development: Social Characteristics of Wheat Growers and Wheat Varieties" Paper presented at the Rural Sociological Society meetings, Manchester, New Hampshire. 31 July 2008.

Rick Welsh, Leland Glenna, William B. Lacy, and Dina Biscotti, "Measuring Agricultural Science Orientations" Paper presented at the Rural Sociological Society meetings, Manchester, New Hampshire. 31 July 2008.

William B. Lacy, Leland Glenna, Rick Welsh, and Dina Biscotti. "University and Industry Cultures of Science in Agricultural Biotechnology: Conflictual, Complementary or Convergent" Paper presented at the Rural Sociological Society meetings, Manchester, New Hampshire. 31 July 2008.

Leland Glenna. "Defining the public good in the post-neoliberal period" Paper presented at the Rural Sociological Society meetings, Manchester, New Hampshire. 28 July 2008

Daniel Cahoy and Leland Glenna. "Patent Ownership and Consolidation in Essential Biofuel Technology." Paper presented at the Summer Institute in Intellectual Property, Biotechnology and Agricultural Sciences, Intellectual Property Law Center, Drake University, May 19-20, 2008.

Daniel Cahoy and Leland Glenna. "Forecasting Alternative Energy Patent Environments in View of Private Ordering Trends." Paper presented at the Annual Meeting of the Academy of Legal Studies in Long Beach, CA, August 12-16, 2008.

Leland Glenna and Daniel Cahoy. "Concentration and Intellectual Property: Implications for the Biofuel Economy." Paper presented at The Missouri School of Agrifood Studies: Understanding Corporate Concentration in Agriculture. Columbia, Missouri. 18 April 2008.

Leland L. Glenna. Guest Lecturer for Clare Hinrichs's RSOC 597c: Qualitative Research Methods. November 6, 2007.

Leland L. Glenna and Georgi Mitev. "Globalization, Ecological Modernization, and a Swine CAFO in Rural Bulgaria." Paper presented at the bi-annual meeting of the European Society for Rural Sociology, Wageningen, the Netherlands. 23 August 2007.

Leland Glenna. "From Renewable to Alternative: Waste Coal and the Pennsylvania Alternative Energy Portfolio Standard" Science, Technology and Society Brown Bag Seminar. Wednesday, 3 October 2007. University Park, PA.

Leland L. Glenna, Rick Welsh, William B. Lacy and Dina Biscotti. "Academic Capitalism and Re-Disciplining University Science: Scientists' Values, Intellectual Property, and Agricultural Biotechnology." Paper presented at the annual meeting of the Rural Sociological Society, Santa Clara, CA. 3 August 2007.

Robert Thomas and Leland Glenna. "From Renewable to Alternative Energy: The Case of Pennsylvania's Energy Portfolio Standard." Paper presented at the annual meeting of the Rural Sociological Society, Santa Clara, CA. 4 August 2007.

Raymond Jussaume and Leland Glenna. "Understanding Diversity amongst United States Agricultural Producers: An Example Drawn from Wheat Growers in Washington State." Paper presented at the annual meeting of the Rural Sociological Society, Santa Clara, CA. 3 August 2007.

Leland Glenna and Raymond Jussaume. "Can wheat growers be characterized according to their association with wheat varieties?" Presented at the annual meeting of the Agriculture, Food, and Human Values Society. Victoria, Canada, May 30-June 3 2007.

Leland Glenna. "Globalization, Agriculture, and Food Labels." Guest Lecture delivered to the State College High School Delta Program on Sustainable Agriculture. State College, PA. 19 April 2007.

Leland Glenna. "The Social Relations of Wheat: Distinguishing Characteristics of Wheat Growers and Wheat Varieties." Agricultural Economics and Rural Sociology Departmental Seminar. The Pennsylvania State University. University Park, PA. 13 April 2007.

Leland Glenna. "GMOs and World Hunger." In the course "AG 160: Agricultural Ethics and Issues." Professors James Beierlein and Felix L. Lukezic. The Pennsylvania State University. University Park. 23 March 2007.

Leland Glenna. "Mixed Methods Used to Study University-Industry Relationships in Agricultural Biotechnology Research." In the course "EDLDR 585: Research Design." Professor Kai Schafft, The Pennsylvania State University. University Park. 20 March 2007.

Leland Glenna and Thomas Hirschl. "Polanyi Goes to Church: The Confluence of Christian and Market Fundamentalism on U.S. Presidential Elections." Paper presented at the annual meeting of the American Sociological Association, Montreal, Canada, 8 August 2006.

Welsh, Rick and Leland L. Glenna, W.B. Lacy and D. Biscotti. "Science, Agri-biotechnology, and Economy." Paper presented at the annual meeting of the American Sociological Association, Montreal, Canada, 8 August 2006.

Leland Glenna, Rick Welsh, William Lacy, and Dina Biscotti. "University and Industry Perceptions of University-Industry Relationships Related to Agricultural Biotechnology Research." Paper presented at the 10th International Consortium on Agricultural Biotechnology Research, Ravello, Italy, 29 June 2006.

Leland Glenna and Robert Gronski. "The World Trade Organization and New Opportunities for U.S. Agricultural Policy." Presented at the annual meeting of the Agriculture, Food, and Human Values Society, Boston, 7 June 2006.

Dave Ervin, Leland Glenna, and Rick Welsh. "Agricultural Biotechnology Research: The Roles of University-Industry Relationships in Supplying Public Goods and Private Products." Three papers presented to the USDA Economists Group, Washington, DC, 2 May 2006.

William Lacy, Leland Glenna, Rick Welsh, and Dina Biscotti. "University-Industry Relationships in Agricultural Biotechnology: Key Findings from University and Industry Case Studies." Three papers presented at the conference on Agricultural Biotechnology Research for Public and Private Goods: Roles of University-Industry Relationships, Washington, DC, 1 May 2006.

Leland Glenna, Rick Welsh, William Lacy, and Dina Biscotti. "University and Industry Perceptions of University-Industry Relationships Related to Agricultural Biotechnology Research." Paper presented at the NC-1003 Symposium "Funding Agricultural Research: Evolving Institutional Frameworks." Jekyll Island, Georgia. 24 March 2006.

Leland Glenna and Thomas Hirschl. "Polanyi Goes to Church: The Confluence of Christian and Market Fundamentalisms on U.S. Presidential Elections." Paper presented at The Pennsylvania State University Sociology Department seminar, 1 March 2006.

Leland Glenna. "Academic Capitalism and Agricultural Biotechnology." In the course "Critical Issues in Higher Education," Professor Esther Prins, at Washington State University. 2 March 2005.

Rick Welsh, Leland Glenna, William Lacy and Dina Biscotti. "Academic capitalism in agricultural biotechnology: results of case studies of six U.S. land-grant universities." Paper presented at the Conference on Economic Sociology and Technology, Ithaca, NY, 23 September 2005.

William B. Lacy, Leland Glenna, Rick Welsh and Dina Biscotti. "The two cultures of science: university/industry research environments in agricultural biotechnology." Paper presented at the fourth global conference of the Global Consortium of Higher Education and Research for Agriculture, Hangzhou, China. September 2005.

Dina Biscotti, William B. Lacy, Leland Glenna and Rick Welsh. "Institutional boundaries and interorganizational collaboration in the field of agricultural biotechnology." Paper presented at the annual meeting of the American Sociological Association, Philadelphia. 16 August 2005.

Leland Glenna, Rick Welsh, William Lacy, and Dina Biscotti. "University Agricultural Biotechnology Research in the Context of Academic Capitalism." Paper presented at the annual meeting of the American Sociological Association, Philadelphia. 15 August 2005.

Leland Glenna. "Constructing a Just Farm Bill." Paper presented at the annual meeting of the Rural Sociological Society, Tampa, FL. 10 August 2005.

William B. Lacy, Leland Glenna, Rick Welsh, and Dina Biscotti. "The two cultures of science: university/industry research environments in agricultural biotechnology." Paper presented at the annual meeting of the Rural Sociological Society, Tampa, FL. 10 August 2005.

Dina Biscotti, William B. Lacy, Leland Glenna, and Rick Welsh. "Systems of exchange in U.S. university-industry agricultural biotechnology research collaborations." Poster presented at the ninth international conference of the Consortium on Agricultural Biotechnology Research, Ravello, Italy. July 2005.

Leland Glenna and Ray Jussaume. "Differences Among Conventional and Organic Farmers Who are Willing to Plant GM Crops." Paper presented at the annual meeting of the Agriculture Food and Human Values Society, Portland, OR. 10 June 2005.

Dina Biscotti, William Lacy, Leland Glenna, and Rick Welsh. "Agricultural biotechnology and the land grant university research mission." Paper presented at the annual meeting of the Agriculture Food and Human Values Society, Portland, OR. 10 June 2005.

Leland Glenna. "Agricultural Biotechnology, University Research, and Academic Capitalism: Some Preliminary Results." Invited paper presented at the Washington State University All-Extension Conference. 3 March 2005.

Lacy, William B. and Leland Glenna. "Democratizing Science in an Era of Expert and Private Knowledge." Paper presented at the International Conference on Technology, Knowledge, and Society. University of California, Berkeley. 19 February 2005.

Leland Glenna, Rick Welsh, William Lacy and Dina Biscotti. "University Agricultural Biotechnology Research in the Global Context of Commercialized Science." Invited paper presented at the "Centro de Capacitacion y Desarrollo en Tecnologia de Semillas" conference at the Universidad Autonoma Agraria Antonio Narro. 18 November 2004.

Rick Welsh and Leland Glenna. "Considering the Role of the University in Conducting Research on Agricultural Biotechnologies." Paper presented at the annual meeting of the American Sociological Association, San Francisco. 16 August 2004

Leland Glenna, William Lacy, Rick Welsh, and Dina Biscotti. "Agricultural Biotechnology in Institutional Context." Paper presented at the annual meeting of the Rural Sociological Society, Sacramento, CA. 12 August 2004

Dina Biscotti, Leland Glenna, William Lacy, and Rick Welsh. "Institutional and Ideological Regulation of University-Industry Agricultural Biotechnology Research Collaborations." Paper presented at the annual meeting of the Rural Sociological Society, Sacramento, CA. 12 August 2004

Leland Glenna. "Regional Economic Growth and Research Universities." In the course "Regional Economic Development." Professor Martin Kenney. University of California at Davis. 24 February 2004.

Leland Glenna. "Redeeming Labor: Virtue, Vocation, and the Public Good." Paper presented as part of Organized Symposium "The Dark Side of Social Capital and the Ethics of Economic Rationality" at the annual meeting of the American Agricultural Economics Association, Denver. 2 August 2004.

Leland Glenna. "Commercial Science and World Hunger: Issues of Social Justice Concerning Genetically Modified Organisms." Paper presented at the Annual Gathering of Lutheran Ethicists, Chicago. 8 January 2004.

Rick Welsh, Leland Glenna, William Lacy, and Dina Biscotti. "Factors Influencing University Scientists' Opinions of University-Industry Relationships in Agricultural Biotechnology." Paper presented at the annual meeting of the American Sociological Association, Atlanta, GA. 18 August 2003.

Leland Glenna. "Operationalizing Evil." Paper presented at Organized Symposium on "Evil in Public Policy" at the annual meeting of the American Agricultural Economics Association, Montreal, Canada. 28 July 2003.

Leland Glenna, William Lacy, Rick Welsh, and Dina Biscotti. "The Two Cultures of Science: University/Industry Research Environments, Criteria for Problem Choice and Perceived Impact." Paper presented at the annual meeting of the Rural Sociological Society, Montreal, Canada. 29 July 2003.

Leland Glenna, William Lacy, Rick Welsh, and Dina Biscotti. "The Land-Grant University and Marketable Science." Paper presented at the annual meeting of the Agriculture, Food, and Human Values Society, Austin, Texas. 13 June 2003.

Leland Glenna. "Redeeming Labor: Rescuing the Protestant Work Ethic from the Spirit of Capitalism." Paper presented at the annual meeting of the Agriculture, Food, and Human Values Society, Austin, Texas. 14 June 2003.

Leland Glenna. "The Commercialized University, Genetic Engineering, and the Threat to Organized Skepticism." Paper presented at the annual meeting of the Rural Sociological Society, Chicago, IL. 15 August 2002.

Leland Glenna. "Bias in Social and Natural Science Research." In the course "Sociological Methods." Instructor Aimee Schreck. October 2002.

Leland Glenna. "Farm Crisis or Agricultural System Crisis: The Farm in the Industrial Agricultural System." Paper presented at the annual meeting of the Rural Sociological Society, Albuquerque, NM. 18 August 2001.

Leland Glenna. "Liberal Economics and the Institutionalization of Sin: Christian and Stoic Vestiges in Economic Rationalism." Paper presented at the International Institute of Sociology, 35th Congress, Jagiellonian University, Krakow, Poland. 13 July 2001.

Leland Glenna. "Operationalizing Evil: Christian Realism, Liberal Economics, and Industrial Agriculture." Paper presented at the annual meeting of the Agriculture, Food, and Human Values Society, Minneapolis, MN. 10 June 2001.

Leland Glenna. "Organized Skepticism and Scientific Miracles: Questions about Agricultural Biotechnology Effects on Local Food Systems." Paper presented at Informing the Dialogue About Agricultural Biotechnology, Cornell University, Ithaca, NY. 15 November 2000.

Leland Glenna. "Conjoint Constitution of Watershed Systems." Paper presented at the Annual Meeting of the Rural Sociological Society, Washington, DC. 16 August 2000.

Leland Glenna. "Prospects for a New York City Food and Water Security Zone." Paper presented at the Annual Meeting of the Agriculture, Food, and Human Values Society, New York, NY. 2 June 2000.

Leland Glenna. "Classical Liberal Economics and the Institutionalization of Sin." Paper presented at the annual regional meeting of the American Academy of Religion, Syracuse, NY. 8 April 2000.

Leland Glenna. "Environmental Mediation and Attitudinal Change: The Case of the New York City Watershed." Paper presented at the annual meeting of the Agriculture, Food, and Human Values Society, Toronto, Canada. 4 June 1999.

Leland Glenna. "Integrating Rural Development, Environmental Planning, and Civic Participation: The Case of the New York City Watershed." Paper presented at the International Symposium on Society & Resource Management. Brisbane, Australia. 8 July 1999.

Leland Glenna. "Cultural Praxis and the Form and Content of Environmental Knowledge." Paper presented at the annual meeting of the American Sociological Association, Chicago, Illinois. 9 August 1999.

Leland Glenna. "Producer-Consumer Linkages in the New York City Watershed." Paper presented at the annual meeting of the Rural Sociological Society, Chicago, IL. 6 August 1999.

Leland Glenna. "Systemic Constraints to Ecological Well-being: The Case of the 1985 Food Security Act." Paper presented at the Seventh International Symposium on Society and Resource Management, Columbia, MO. 28 May 1998.

Leland Glenna. "Cultural Explanations for a Conflict over Water and Land Use." Paper presented at the Seventh International Symposium on Society and Resource Management, Columbia, MO. 29 May 1998.

Leland Glenna. "The Jeffersonian Ideal vs. The Administrative State: The New York City Watershed in Historical Context." Paper presented at the annual meeting of the Agriculture, Food, and Human Values Society, San Francisco. 5 June 1998.

Leland Glenna. "Cultural Praxis, Material Interests, and Environmental Knowledge: Implications for the Resolution of a Watershed Conflict." Paper presented at the annual meeting of the Rural Sociological Society, Portland, OR. 8 August 1998.

Languages other than English

Basic Spanish

Passed Harvard Language Examinations: German and Ancient Greek

Studied Biblical Hebrew