

ANALENA B. BRUCE

Indiana University Bloomington
The Ostrom Workshop for Political Theory and Policy Analysis
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EDUCATION

- Ph.D. Sociology, Rutgers, The State University of New Jersey, 2016.
- M.A. Sociology, Rutgers, The State University of New Jersey, 2013.
- B.A. Sociology and Latin American Studies, University of Pittsburgh, 2007.
Summa cum Laude

RESEARCH AND TEACHING INTERESTS

Agriculture and Food Systems, Collective Behavior and Social Movements,
Environmental Nonprofits, Policy Analysis, Science, Technology and Society

CURRENT POSITION

Postdoctoral Research Fellow, Dr. Farmer's Human Dimensions Lab. The Ostrom
Workshop, Indiana University Bloomington. 2016- present.

REFEREED JOURNAL ARTICLES

- Shwom, R.L. and **A.B. Bruce**. 2018. Theorizing Cross-Sectoral Entrepreneurship to
Advance Climate Governance: Tactics of U.S. Energy Efficiency Non-
Governmental Organizations. *Regional Environmental Change*.
- Bruce, A.B.**, J.R. Farmer, L.E. Maynard and J.D. Valliant. 2017. Assessing the
Impact of the EQIP High Tunnel Initiative. *Journal of Agriculture, Food Systems,
and Community Development*. 7(3), pp. 159–180.
<http://dx.doi.org/10.5304/jafscd.2017.073.012>
- Farmer, J.R., J.D. Valliant, S.L. Dickinson, **A.B. Bruce**, and J.M. Robinson. 2017.
Family as a catalyst in farms' diversifying agricultural products: A mixed
methods analysis of diversified and non-diversified farms in Indiana, Michigan
and Ohio. *Journal of Rural Studies*. 55C, pp. 303-315. DOI:
10.1016/j.jrurstud.2017.08.017

Bruce, A.B. and R.L. Som Castellano. 2016. Labor and alternative food networks:

challenges for farmers and consumers. *Renewable Agriculture and Food Systems* pp. 1–14. DOI: 10.1017/S174217051600034X

Bruce, A.B. 2016. Frankenfish or Fish to Feed the World? Scientism and Biotechnology Regulatory Policy. *Rural Sociology* DOI:10.1111/ruso.12146

Bruce, A.B. 2016. The Legacy of Agrarian Reform in Latin America: Foundations of the Fair Trade Cooperative System, *Geography Compass*, 10: 485–498. DOI: 10.1111/gec3.12298.

Bruce, A.B. and R. L. Shwom. 2015. Friend or Foe? Why U.S. Energy Efficiency Nonprofits Collaborate with Business and Government. *Environmental Sociology* 1 (1): 48–58. DOI: 10.1080/23251042.2014.993796

MANUSCRIPTS UNDER REVIEW

A.B. Bruce, Farmer, J.R., L.E. Maynard, J.D. Valliant. Using high tunnels to extend the growing season and improve crop quality and yield: assessing outcomes for organic and conventional growers in the U.S. Midwest. (Revised and resubmitted).

Bruce, A.B. Pathways into Alternative Agriculture: First-generation, Returning, and Legacy farmers. (Revise and Resubmit).

Bruce, A.B. Labor of Love: Livelihood Strategies in Sustainable Farming.

Valliant, J.D., **A.B. Bruce**, J.R. Farmer, and S.L. Dickinson. Farmers' firsthand experiences of climate change in the USA Corn Belt: quantifying biophysical challenges faced, regional subpopulations, and motivations to adapt agricultural practice, Michigan and Ohio.

MANUSCRIPTS IN PREPARATION

Bruce, A.B., L.T. Maynard, J.R. Farmer. Opportunities and challenges with using high tunnels to enhance specialty crop production in the U.S. Midwest.

Bruce, A.B., L.T. Maynard, J.R. Farmer. Factors affecting successful high tunnel management for farmers in Indiana.

Bruce, A.B. and L.L. Glenna. Evaluating the Trustworthiness of EPA Pesticide Regulatory Policy.

OTHER PUBLICATIONS

Bruce, A.B., L.E. Maynard, J.R. Farmer, J. Carpenter. Indiana High Tunnel Handbook. Purdue University Extension. *Forthcoming*.

Watkins, David,...**A.B. Bruce**,...and 50 Natural and Social Scientists. Coupled Production-Consumption Systems for Climate Change Mitigation: Designing Equitable Food, Energy, and Water Conservation Strategies. Product of a Workshop held at Michigan Technological University, Houghton, MI, October 16-17, 2015. National Science Foundation (Award #1541816), January 12, 2016.

Bruce, A.B. Labor of Love: Small-scale Farmers in Alternative Food Networks. *The Blue Review; Popular Scholarship in the Public Interest*. October 5, 2015. <https://thebluereview.org/small-scale-farmers-in-alternative-food-networks/>

Bruce, A.B. Making Food Slower. *Contexts; understanding people in their social worlds*. Spring 2013. <http://contexts.org/articles/making-food-slower/>

AWARDS AND FELLOWSHIPS

- 2015 Rural Sociological Society Doctoral Dissertation Award, \$1,500
- 2013 Agriculture, Food and Human Values Graduate Student Paper Award. “Labor of Love: Livelihood Strategies in Sustainable Farming”, \$550
- 2013 Matilda White Riley Award for Best Qualifying Paper. Rutgers Sociology. “Labor of Love: Livelihood Strategies in Sustainable Farming”, \$250
- 2009 National Science Foundation Graduate Research Fellowship, Honorable Mention
- 2007-2012 Excellence Fellowship, Rutgers University.
*2 years no-obligation stipend, 3 years Teaching Assistantship
- 2007 Robert W. Avery Award for Top Sociology Major, \$500
- 2007 Center for Latin American Studies Undergraduate Teaching Fellowship, University of Pittsburgh, \$750
- 2005 Savina S. Skewis Award, Nationality Rooms Scholarship. School for International Training: Education, Policy and Social Change in Chile, \$4,000

GRANTS (External funding: \$384, 183) (Internal funding: \$2.5M)

- 2018 **PI-Bruce, A.B.**, Co-PI- J.A. Eldon, Co-PI- E.S. Carman- Sweeney and Co-PI- J.R. Farmer. Increasing the productivity, profitability, and

sustainability of high tunnel production systems for Indiana specialty crops. Specialty Crop Block Grant, Indiana State Dept. of Agriculture. \$ 118,020 Awarded.

- 2018 PI- J. Farmer, and E. Brondizio, **A.B. Bruce**, S. Dickinson, B. Fulton. S. Giroux, C. Ipsen, D. Knudson, S. Osterhoudt, J. Robinson, P. Todd, K. Waldman, J. Valliant. Sustainable Food Systems Science. Emerging Areas of Research, IU Office of the Provost. \$2.5 million awarded.
- 2017 PI- Torres, A., Co-PI- J.R. Farmer, **Co-PI- A.B. Bruce**, and Co-PI- M. McDonnell. “Organic Transition and Certification: Supporting Indiana Grain Farmers’ Capacity to Meet Market Demand.” Sustainable Agriculture Research and Education: North Central Region, USDA. \$194,663 Awarded
- 2017 PI- J.R. Farmer, **Co-PI- A.B. Bruce**. “Strengthening Indiana Christmas Tree Farms: A Framework for the Future.” Specialty Crop Block Grant, Indiana State Dept. of Agriculture, \$70,000 Awarded
- 2017 PI- S. Giroux, **Co-PI- A.B. Bruce**, K.B. Waldman, and J.R. Farmer. “A Comparative Approach to Understanding New Farmer Entry into Agriculture”. Social Science Research Commons, Indiana University Bloomington. \$14,982.50 requested, *Not funded*
- 2015, 2014 Conference Travel Grants, Department of Human Ecology, \$1,500
- 2015, 2014 Small Research Grants, Department of Sociology, \$750
- 2015, 2014 Conference Travel Grants, Department of Sociology, \$600
- 2013 Conference Travel Awards, Rutgers Graduate School, \$900
- 2011 Summer Special Study Award, Rutgers Graduate School, \$700
- 2009 Pre-dissertation Research Grant, Department of Human Ecology, \$1,750
- 2009 Social Science History Association Rockefeller Travel Award, \$300
- 2007 Special Opportunity Grant, University of Pittsburgh, \$320

INVITED PRESENTATIONS

- 2018 Hunger Banquet co-organized by IU Oxfam America and the IU Global Living Learning Community, March 22nd. (event postponed until 2019).

- 2015 *Workshop participant. National Science Foundation Workshop. "Coupled Production-Consumption Systems for Climate Change Mitigation: Designing Equitable Food, Energy, and Water Conservation Strategies."* October 16-17. Michigan Technological University, Houghton, MI.

CONFERENCE PARTICIPATION

- 2018 **Bruce, A.B.** (panel organizer) and R.L. Castellano (co-chair). "Opportunities and Challenges with Interdisciplinary Research." *Rural Sociological Society*. July 27-30, 2018. Portland, OR.
- 2018 **Bruce, A.B.** "Pathways Into Alternative Farming: Greenhorns, Returning, and Legacy Farmers." *Rural Sociological Society*. July 27-30, 2018. Portland, OR.
- 2017 **Bruce, A.B.** and L.L. Glenna. "Evaluating the Trustworthiness of EPA Pesticide Regulatory Policy." *Rural Sociological Society*. July 27-30. Columbus, OH.
- 2017 **Bruce, A.B.**, J.R. Farmer, and L.E. Maynard. "Evaluating Farmer Participation and Outcomes of the EQIP High Tunnel Initiative." *Rural Sociological Society*. July 27-30. Columbus, OH.
- 2017 **Bruce, A.B.**, J.R. Farmer, and L.E. Maynard. "Indiana High Tunnel Production: Current Status and Where We Grow From Here." (Poster)
1) *Indiana Small Farms Conference*. March 4. Danville, IN.
2) *Midwest Organic & Sustainable Education Service*. Feb. 23-25. La Crosse, WI.
- 2017 J.R. Farmer (presenter), **Bruce, A.B.**, and L.E. Maynard. "Problems and opportunities for Indiana high tunnel growers." *Indiana Horticulture Congress*. January 10. Indianapolis, IN.
- 2016 **Bruce, A.B.** XIV *World Congress of Rural Sociology*. "Labor and Alternative Food Networks." August 11, Toronto, Canada.
- 2015 **Bruce, A.B.** (Presenter), and R. Som Castellano. *Rural Sociological Society*. "Labor as a barrier to scaling up alternative food networks." August, Madison, WI.
- 2015 **Bruce, A.B.** *Rural Sociological Society*. Session Chair. "Smallholder Agriculture." August, Madison, WI.
- 2015 **Bruce, A.B.** *Agriculture, Food & Human Values Society*. "Inequality and Small-Scale Sustainable Farming." June, Pittsburgh, PA.

- 2014 **Bruce, A.B.** *Rural Sociological Society*. "Frankenfish or Fish to Feed the World? Science-based regulatory policy and the FDA's review of genetically engineered salmon." August, New Orleans, LA.
- 2013 **Bruce, A.B.** *Rural Sociological Society*. "Inequality and the Viability of Sustainable Agriculture." July, New York, NY.
- 2013 **Bruce, A.B.** *Agriculture, Food & Human Values Society*. "Labor of Love: Livelihood Strategies in Sustainable Farming." June, East Lansing, MI.
- 2012 **Bruce, A.B.** (Presenter), and R.L. Shwom. *American Sociological Association*. Regular Session, "Friend or Foe? Why US Energy Efficiency Nonprofits Collaborate with Business and Government." August, Denver CO.
- 2009 **Bruce, A.B.** *Agriculture, Food & Human Values Society*. "The Troubled Legacy of Agrarian Reform: Small Coffee Farmers and Foundations of the Fair Trade Cooperative System." June, University Park, PA.
- 2009 **Bruce, A.B.** *Social Science History Association*. "The Troubled Legacy of Agrarian Reform: Smallholders and Foundations of the Fair Trade Cooperative System." November, Long Beach CA.
- 2007 **Bruce, A.B.** *Midwest Sociological Society*. "Explaining Cycles of Antiwar Movement Activity in Pittsburgh." April, Chicago, IL.

RESEARCH EXPERIENCE

- 2017-2020 Co-PI with PI- Torres, A., Co-PI- J.R. Farmer, and Co-PI- M. McDonnell. USDA Sustainable Agriculture Research and Education. Organic Transition and Certification: Supporting Indiana Grain Farmers' Capacity to Meet Market Demand.
- 2017-2020 Co-PI with PI- J.R. Farmer. Indiana State Dept. of Agriculture. Strengthening Indiana Christmas Tree Farms: A Framework for the Future.
- 2016-2018 Project lead. PI- J. Farmer, L.E. Maynard, J.D. Valliant. Indiana State Dept. of Agriculture. Specialty crops and high tunnels: evaluating success and building future capacity.
- 2009-2011 Research Assistant. PI- Rachael L. Shwom, Human Ecology Department, Rutgers University. NSF funded study of environmental nonprofit organizations' strategies to reform energy efficiency policies.

2006-2007 Research Assistant. PI- Kathleen Blee, Sociology Department, University of Pittsburgh. NSF funded study of social movement groups.

TEACHING EXPERIENCE

Indiana University Bloomington

Supervisor for Undergraduate Research Assistant Sofia F. Veraldi.

Instructor and new course design, R-350: Food Systems and Community Resilience.
Fall 2017.

Sustainability Community of Practice. Workshop on teaching sustainability. August 2017

Guest Lectures:

“Livelihood Strategies in Sustainable Agriculture.” Sustainable Agriculture and Trade, Anthropology Department, November 30th, 2016.

“Political and Economic Context of Sustainable Agriculture.” Sustainable Agriculture, Geography Department and Recreation, Park and Tourism Studies. September 14th, 2016.

Rutgers, The State University of New Jersey- New Brunswick

Teaching Assistant, Introduction to Sociology, Spring 2011.

Recitation Instructor, Contemporary Social Theory, Fall 2010.

Guest Lecture

“Sustainability, Security, and Survival for Small Coffee Farmers.” Energy and Society. Dept. of Human Ecology, November 4th, 2009.

Instructor, Social Class and Inequalities, Summer 2008.

University of Pittsburgh

Teaching Fellow, Research Practicum: Race, Gender, and Development, Spring 2007.

PUBLIC ENGAGEMENT AND COMMUNITY SERVICE

Developed and Facilitated High Tunnel Webinar for NRCS district conservationists and extension educators (nearly 70 in attendance), April 17, 2018.

Developed and coordinated three field days around Indiana on high tunnels, summer 2017.

Board Member, Mt. Gilead Friends Retreat. Environmental education. Bloomington, IN.

Annual volunteer, Lotus Education and Arts Foundation, Bloomington, IN.

Project Leader, program design, and grant recipient. Groundswell Education Program [Community food development program]. Hillsboro, OH. Stinner Summit Grant, Ohio State University Agroecosystems Management Program, Funded 2014-2015, 2015-2016.

Intern, Ohio Ecological Food & Farm Association, Policy Program. Columbus OH. 2014-2015.

Public Comment [Oral Presentation]. USDA Animal and Plant Health Inspection Service, APHIS. Public Engagement Webinars, Biotechnology Regulation. May 20, 2015.

Organizer and facilitator: "Hungry for Change; Food, Ethics and Sustainability." Wakeman Educational Foundation, Bainbridge, OH. 2014.

SERVICE TO PROFESSIONAL SOCIETIES

Rural Sociological Society

Awards Committee, 2016-2019

Publications Committee, 2013-2015

Agriculture Food & Human Values Society

Awards Committee, 2014-2015

Student Paper Awards Committee, 2013-2014

Manuscript Reviewer

Agriculture & Human Values, Climatic Change, Food and Foodways, Journal of Agriculture, Food Systems, and Community Development, Journal of Rural Studies, Renewable Agriculture and Food Systems, Rural Sociology, Rutgers Journal of Sociology, Sociological Forum, Sustainability, VOLUNTAS: International Journal of Voluntary and Nonprofit Organizations

UNIVERSITY AND DEPARTMENT SERVICE

IU Food Working Group member, Fall 2017

Search Committee Student Representative, Environmental Sociology, Fall 2010

Colloquium Committee Student Representative (elected), 2010-2011

Graduate Program Representative/ Faculty Liaison (elected), 2008-2010

ACADEMIC MEMBERSHIPS

Agriculture, Food, and Human Values Society

American Sociological Association (Collective Behavior and Social Movements Section,
Environment and Technology Section)
Rural Sociological Society (Sociology of Agriculture and Food Research Interest Group)

REFERENCES

James R. Farmer, Ph.D.
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Assistant Professor
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