


# Paul Rogé, PhD

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## Education and Training

**Undergraduate Institution:** University of California, Berkeley

**Location:** Berkeley, California, United States  
**Major:** Conservation and Resource Studies  
**Degree and Year:** Bachelor of Science, 2004

**Graduate Institution:** University of California, Berkeley

**Location:** Berkeley, California, United States  
**Major:** Environmental Science, Policy, and Management  
**Degree and Year:** Doctor of Philosophy, 2013

**Postdoctoral Institution:** Michigan State University

**Location:** Lansing, Michigan, United States  
**Area:** Agroecology  
**Inclusive Dates:** 2014-2016

## Funding and Awards

USDA Beginning Farmer and Rancher Development Program grant (2020–present)  
USDA Community Food Projects grant (2018 – 2020)  
USDA Western Sustainable Agriculture Research and Education grant (2020–present)  
USDA Community Food Projects grant (2018 – 2020)  
Foundation for Food and Agriculture Research grant (2017 – present)  
USDA Western Extension Risk Management Education Program grant (2017 – 2019)  
American Cultures Engaged Scholarship award (2017–2019)  
UC Berkeley Lecturer Teaching Fellow (2017–2018)  
Healing Living Systems and Riverside Food Systems Alliance contract (2018)  
USDA Beginning Farmer and Rancher Development Program grant (2015 – 2018)  
USAID Modernizing Extension and Advisory Services Leader award (2015 – 2016)  
Gates Foundation Scoping Grant (2014 – 2015)  
LASPAU Climate Change Professional Fellows Program (2012)  
Fulbright-Garcia Robles Scholar (2010 – 2011)  
UC MEXUS-CONACYT and UC MEXUS small grant (2009 – 2010)

## Professional Experience

**Environmental Management & Technology Faculty** (August 2019 – present). Merritt College.  
I coordinate and teach courses toward a [Certificate of Achievement in Urban Agroecology](#)

offered by Merritt College's Natural History and Sustainability program. In addition, I serve as Vice Chair of Merritt College's Curriculum Committee.

**Visiting Scholar** (*August 2019 – October 2020*), **Staff Research Associate** (*August 2018 – August 2019*), and **Lecturer** (*July 2016 – December 2019*). University of California, Berkeley. I am evaluating the productivity, labor requirements, and the potential of no-till vegetable production and forage radish cover crops to improve soil quality and enhance water retention in urban production systems. This research is funded by [FFAR](#) and [Western SARE](#). For two years, I also taught undergraduate courses related to food systems and agroecology.

**Faculty Owner** (*February 2017 – present*). The Cooperative New School for Urban Studies and Environmental Justice ([The CNS](#)).

**Education and Community Science** (20 – 60% appointment *May 2016 – January 2020*), [Multi-national Exchange for Sustainable Agriculture](#) (MESA).

**Farm Operations** (*August 2018 – October 2019*), [Don Bugito](#).

**Research Associate** (*February 2014 – May 2016*). Michigan State University. I evaluated the potential for perennial staple food crops through literature reviews and interviews with farmers in Mali and Malawi. This research was funded by the [Gates Foundation](#).

## Recent Research

**Biointensive No-Till Agriculture** (*2017 – present*): evaluations of biointensive no-till vegetable production and tillage radish cover crops for improved soil quality and enhanced water retention at a research station and on California small farms. Funding: [FFAR](#) and [Western SARE](#).

**Perennial Staple Food Crops** (*2014 – 2016*). I evaluated the potential for perennial staple food crops through literature reviews and interviews with farmers in Mali and Malawi. This research was funded by the [Gates Foundation](#).

**Climatic Variability and Rainfed Agriculture** (*2008 – 2013*). My dissertation research at UC Berkeley focused on how farmers in the Mixteca Alta Region of Oaxaca, Mexico prepared for and coped with climatic variability. This research was funded by [Fulbright](#) and [UC MEXUS](#).

## Teaching and Mentorship

**Bay Area Food Culture, Introduction to Sustainable Systems, Introduction to Urban Agroecology, and Social Issues in Agriculture** (*2019 – 2021*). Instructor at Merritt College. I teach required courses for Merritt College's [Certificate of Achievement in Urban Agroecology](#) to Merritt College students and to students in Oakland Unified High Schools.

**Experiential Learning Through Engagement in Food Systems** (*2016 – 2018*). Lecturer, UC Berkeley. I taught and mentored approximately 20 students annually through the [capstone project-based course](#) for the Food Systems undergraduate minor.

**Urban Agriculture and Food Justice** (*2017 – present, 2013, 2019*). Lecturer and graduate instructor, UC Berkeley. This course taught ecologically-based horticulture and examined urban agriculture from the perspective of food justice.

**Undergraduate Mentorship** (2016 – 2018). Lecturer, UC Berkeley. I supervised four undergraduate students honors theses and one masters student practicum.

**International Agricultural Systems** (2014 – 2015). Lecturer, Michigan State University. This course reviewed the biophysical and social dimensions of food production globally.

**Society Culture and Environment** (2010). Graduate instructor, UC Berkeley. I led discussion sections on feminist, post-colonial, and indigenous critiques of science and technology.

## Community Engagement

**Community-engaged scholarship and education** (2015 – present). I currently serve as Vice Chair of the [Curriculum Committee](#) at Merritt College, and on the Board of [Guerrilla Cartography](#), a loose band of mapmakers, researchers, and designers intent on widely promoting the cartographic arts. I participated in the [Listening, Learning & Engagement Institute](#) and the *Just Listening Program* facilitated by [Luna Jiménez Seminars](#) in 2017 with financial support from the [American Cultures Program](#) and [Public Service Center](#) at UC Berkeley. I also participated in the 2015 *Pen to Paper Writing Retreat on Writing With, For and About Service- and Community-Engagement*.

**Popular education in food systems** (2017 – present). I co-founded two organizations dedicated to popular education: [Agroecology Commons](#) and the [Cooperative New School for Urban Studies and Environmental Justice](#). I served as the principal investigator for a USDA-funded [Community Food Projects](#) grant with [MESA](#) to establish a multi-stakeholder cooperative farm incubator and to form a network of community-based food systems educators. I co-designed the curriculum for the “Bay Area Farmer Training,” a collaboration between [MESA](#) and [Planting Justice](#). Also through [MESA](#), I co-designed an online course for farmers on climate resilience funded by [Western ERME](#), and facilitated a “Training of Farmer Trainers” funded by [Healing Living Systems](#) and [Grow Riverside](#).

**Farming** (2001 – present). My 7+ years of practical experience with farming is the foundation for research and teaching in agroecology. I supported a friend in managing an edible insect farm from 2018 – 2019 for [Don Bugito](#) in West Oakland, CA, and I designed from 2017 – 2019 an urban farm incubator for [MESA](#) in El Sobrante, CA. From 2006 – 2007, I was responsible for regional direct marketing and organic vegetable and fruit production on a demonstration farm at [ALBA](#). From 2001 – 2004, I was a member of Berkeley Worms, a democratic workplace that composted food scraps to make an organic soil amendment sold at local plant nurseries.

## Professional Activities

**Board service:** [Agroecology Commons](#) (co-founder and Treasurer, 2020 – present), [Guerrilla Cartography](#) (member, 2019 – present), [Golden Gate Cohousing](#) (Treasurer, 2020 – present), and the [Cooperative New School for Urban Studies and Environmental Justice](#) (co-founder and faculty-owner, 2017 – present).

**Active member to the following associations and networks:** [Agroecology Action Research Collective](#), [Association of American Geographers](#) (AAG), [Campus Compact](#), [Latin American](#)

Scientific Society of Agroecology (SOCLA), Latin American Studies Association (LASA), National Incubator Farm Training Initiative (NIFTI), Non-Profit Democracy Network, and Sustainable Agriculture Education Association (SAEA).

**Recent peer reviewer for manuscripts submitted to:** *ACME: An International Journal for Critical Geographies*, *Agronomy for Sustainable Development*, *Ecology and Society*, *Human Ecology*, *Renewable Agriculture and Food Systems*, *Sustainability*

## Professional Skills

**Scientific computing and web design:** Statistics in *R* and geospatial analysis in *ArcGIS*, *Grass GIS*, and *QGIS*; web design (*Drupal*, *Wordpress*, *CiviCRM*, *Moodle*, etc.);<sup>1</sup> and linux systems administration.

**Fluency in English, French, Spanish, and Portuguese.** My first languages are English and French. I gained fluency in Spanish through my doctoral research in Mexico and my years of farmwork in the United States. I learned Portuguese from two years of residence in Brazil.

**Agricultural Pest Control Adviser License** (2009)

## Publications

### *Forthcoming*

1. **Rogé, Paul**, Chuang Liu, and Natalia Pinzón-Jiménez. Under review. "Overcoming the challenges of an agroecological transition for smallholder farmers in China." *Elementa*.

### *Peer-Reviewed Journal Articles*

1. Arnold, Joshua, and **Paul Rogé**. 2018. "Indicators of land insecurity for urban farms: institutional affiliation, investment, and location." *Sustainability* 10 (6): 1963. <https://doi.org/10.3390/su10061963>.
2. **Rogé, Paul**. 2018. "Improvisatory activist scholarship: dance practice as metaphor for participatory action research." *ACME: An International Journal for Critical Geographies* 17 (4): 1045–1066. <https://www.acme-journal.org/index.php/acme/article/view/1510>.
3. Snapp, Sieglinde, **Paul Rogé**, Patrick Okori, Regis Chikowo, Brad Peter, and Joseph Messina. 2018. "Perennial grains for Africa: possibility or pipedream?" *Experimental Agriculture*, 1–22. <https://doi.org/10.1017/S0014479718000066>.
4. Pérez-Marin, Aldrin M., **Paul Rogé**, Miguel A. Altieri, Luis F. Ulloa Forer, Luciano Silveira, Victor M. Oliveira, and Barbara E. Domingues-Leiva. 2017. "Agroecological and social transformations for coexistence with semi-aridity in Brazil." *Sustainability* 9 (6): 990. <https://doi.org/10.3390/su9060990>.

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1. See [paulroge.net](http://paulroge.net), [cooperativenewschool.com](http://cooperativenewschool.com), and [nature.berkeley.edu/food-systems-projects](http://nature.berkeley.edu/food-systems-projects)

5. **Rogé, Paul**, Tidiane Diarisso, Fatoumata Diallo, Youssouf Boiré, Diakaridia Goïta, Brad Peter, Moussa Macalou, Eva Weltzien, and Sieglinde Snapp. 2017. "Perennial grain crops in the West Soudanian Savanna of Mali: perspectives from agroecology and gendered spaces." *International Journal of Agricultural Sustainability*, 1–20. <https://doi.org/10.1080/14735903.2017.1372850>.
6. Kane, Daniel Aloysius, **Paul Rogé**, and Sieglinde Snapp. 2016. "A systematic review of perennial staple crops literature using topic modeling and bibliometric analysis." *PLOS ONE* 11 (5): e0155788. <https://doi.org/10.1371/journal.pone.0155788>.
7. **Rogé, Paul**, Aida C. Ríos, Silvia V. Ruiz, Patricio Sánchez, Francisco Mora, Miguel A. Altieri, and Marta Astier. 2016. "Manejo de agroambientes para la resiliencia agroecológica al cambio climático: Los sistemas maíz cajete y maíz de temporal en San Miguel Huautla Nochixtlán Oaxaca" [in Spanish]. *Agroecología* 11 (2). <https://paulroge.net/sites/default/files/documents/2018-07/roge-2016-manejo.pdf>.
8. **Rogé, Paul**, Sieglinde Snapp, Mayamiko Nathaniel Kakwera, Leah Mungai, Isaac Jambo, and Brad Peter. 2016. "Ratooning and perennial staple crops in Malawi: A review." *Agronomy for Sustainable Development* 36 (3). <https://doi.org/10.1007/s13593-016-0384-8>.
9. **Rogé, Paul** and Marta Astier. 2015. "Changes in climate, crops, and tradition: cajete maize and the rainfed farming systems of Oaxaca, Mexico." *Human Ecology* 43 (5): 639–653. <https://doi.org/10.1007/s10745-015-9780-y>.
10. **Rogé, Paul**, Andrew R. Friedman, Marta Astier, and Miguel A. Altieri. 2014. "Farmer strategies for dealing with climatic variability: A case study from the Mixteca Alta Region of Oaxaca, Mexico." *Agroecology and Sustainable Food Systems* 38 (7): 786–811. <https://doi.org/10.1080/21683565.2014.900842>.

### Books and Magazines

1. Galvis-Martínez, Ana C., Brooke Porter, **Paul Rogé**, Leah Atwood, and Natalia Pinzón-Jiménez. 2021. "Holistic pedagogies for social change: reflections from an urban agroecology farmer training." In *Urban Agroecology: Interdisciplinary Research and Future Directions*, edited by Monika Egerer and Hamutahl Cohen, 209–224. Advances in Agroecology. CRC Press.
2. Solis, Daniela, Mackenzie Feldman, and **Paul Rogé**. 2019. *Discussing the Food Systems Minor at UC Berkeley*. A three year report. University of California, Berkeley. <https://nature.berkeley.edu/food-systems-projects/discussing-the-fs-minor/>.
3. Altieri, Miguel A., Clara I. Nicholls, **Paul Rogé**, and Joshua Arnold. 2017. "Urban agroecology: principles and potential." *Urban Agriculture Magazine* 33:18–20. <http://www.ruaf.org/urban-agroecology-principles-and-potential/>.
4. Atwood, Leah, Ana Cecilia Galvis, Natalia Pinzón, and **Paul Rogé**. 2017. "Advancing on-farm climate resilience with citizen science." *Farming Matters* 33, no. 2 (June): 26–27. <https://www.ileia.org/2017/06/26/advancing-farm-climate-resilience-citizen/>.
5. Young, Sarah, **Paul Rogé**, and Janna Meiring. 2017. "E|M|MERGING: addressing racism and instigating change at earthdance." *Contact Quarterly: Dance & Improvisation Journal* 42 (1): 9–11. <https://paulroge.net/sites/default/files/documents/2018-07/young-2017-emerging.pdf>.

6. Chikowo, Regis, **Paul Rogé**, and Sieg Snapp. 2016. *Integrating diverse grain legumes for increased land productivity on small farms in Malawi*, 52 Profiles on Agroecology. Rome: FAO. <http://www.fao.org/agroecology/detail/en/c/443574/>.
7. Altieri, Miguel, Clara I. Nicholls-Estrada, Alejandro Henao-Salazar, Ana C. Galvis-Martínez, and **Paul Rogé**. 2015. *Didactic toolkit for the design, management, and assessment of resilient farming systems*. Penang: TWN. <https://paulroge.net/sites/default/files/documents/2018-07/altieri-2015-didactic.pdf>.
8. **Rogé, Paul** and Marta Astier. 2013. "Previniéndose para el cambio climático: una metodología participativa" [in Spanish]. Chap. 9 in *Agroecología y Resiliencia Socioecológica: adaptándose al cambio climático*, edited by Clara Nicholls, Leonardo Ríos, and Miguel Altieri, 124–148. Medellín, Colombia: REDAGRES. <https://paulroge.net/sites/default/files/documents/2018-07/roge-2013-previniendose.pdf>.
9. Altieri, Miguel, and **Paul Rogé**. 2009. "The ecological role and enhancement of biodiversity in agroecosystems: Livelihoods and Agroecology in Comparative Perspective." In *Agriculture, Biodiversity and Markets*, edited by Stewart Lotkie and David Carpenter, 15–32. London: Earthscan. <https://paulroge.net/sites/default/files/documents/2018-07/altieri-2009-ecological.pdf>.

### Oral Presentations

1. **Rogé, Paul** and Chuang Liu. 2019. "Overcoming the challenges of an agroecological transition for small farmers in China." In *AgroecologyNow! Bottoms up - Examining Place-Based Initiatives and Networks in Agroecology Transitions-Transformations*, edited by Colin Anderson, Jahi Chappell, and Christopher Bacon. Washington, DC: Association of American Geographers, April 3, 2019.
2. **Rogé, Paul**, Mackenzie Feldman, Leke Hutchins, and Daniela Solis. 2018. "Expanding the Bounds of Experiential Learning in Sustainable Food Systems at UC Berkeley." In *National Sustainable Agriculture Education Conference*. University of Hawai'i – West Oahu: Sustainable Agriculture Education Association, July 27, 2018.
3. **Rogé, Paul** and Peter Varas. 2018. "Building Knowledge on Food Justice and Agroecology." In *National Sustainable Agriculture Education Conference*. University of Hawai'i – West Oahu: Sustainable Agriculture Education Association, July 27, 2018.
4. Miguel, Altieri, and **Paul Rogé**. 2017. "Agroecological methods to assess the resilience of farming systems." In *EcoFarm Conference*. Pacific Grove, California: Ecological Farming Association, January 27, 2017.
5. **Rogé, Paul**. 2017. "Participatory action research and the evaluation of agroecosystems." In *Workshop on Intensified Ecological Sustainable Agriculture*. Hangzhou, Zhejiang, China: Zhejiang University, August 2, 2017.
6. **Rogé, Paul**. 2016a. "Discussant." In *Ya no es como antes: farmer adaptation to a changing climate in Latin America*. San Francisco, CA: Association of American Geographers Annual Meeting, April 1, 2016.

7. **Rogé, Paul.** 2016b. "Participatory action research viewed from the lens of improvisational dance." In *Scholar activist, activist scholar session: Cultivating an ongoing community of justice of practice*. San Francisco, CA: Association of American Geographers Annual Meeting, March 30, 2016.
8. **Rogé, Paul.** 2015a. "Network analysis of literature on perennial grains." In *Annual Meeting*. Association of American Geographers Annual Meeting, April 25, 2015.
9. **Rogé, Paul.** 2015b. "Values and practices associated with ecosystem services in agroecology." In *Regional Agroecology Meeting for Africa*. Dakar, Senegal: FAO, November 5, 2015.
10. **Rogé, Paul**, Mayamiko Kakwera, Isaac Jambo, and Sieg Snapp. 2015. "Perenniality in existing African cropping systems." In *Putting perennial crops to work in practice: pigeonpeas and sorghum*. Bamako, Mali: FAO/ICRISAT, September 3, 2015.
11. **Rogé, Paul**, Daniel Kane, and Sieg Snapp. 2015. "A quantitative review of the literature on perennial grains." In *Putting perennial crops to work in practice: pigeonpeas and sorghum*. Bamako, Mali: FAO/ICRISAT, September 4, 2015.
12. Astier, Marta, and **Paul Rogé.** 2012. "Cambios en el clima, sistemas campesinos en México y la Red Iberoamericana de Agroecología para el Desarrollo de Sistemas Agrícolas Resilientes al Cambio Climático" [in Spanish]. In *Memorias del Congreso SEAE*. Albacete, Spain, September 24, 2012.
13. **Rogé, Paul.** 2012a. "El cambio climático y agroecología" [in Spanish]. In *Special Invitation*. Universidad Rafael Landívar, Guatemala, March 16, 2012.
14. **Rogé, Paul.** 2012b. "Experiencias con Adaptación al Cambio Climático" [in Spanish]. In *Simposio Internacional de Agroecología, Cambio Climático y Resiliencia*. Universidad Nacional de Colombia – Sede Medellín, Colombia, March 16, 2012.
15. **Rogé, Paul.** 2011a. "A methodology for the participatory evaluation of biophysical resilience to climatic variability: The Mixteca Alta of Oaxaca, Mexico." In *Third Latin American Congress of Agroecology*. Morelos, Mexico, August 19, 2011.
16. **Rogé, Paul.** 2011b. "Agroecology, indicators, and farmer participation in sustainable rural development." In *Symposium of the Academy of Neotropic Biodiversity*. Oaxaca, Mexico, November 4, 2011.
17. **Rogé, Paul**, Miguel Altieri, Marta Astier, Phil Dahl-Bredine, and Aida Carmen Ríos. 2011. "Changes in sowing: cajete maize and climate change." In *Third Latin American Congress of Agroecology*. Morelos, Mexico, August 19, 2011.
18. **Rogé, Paul** and Shoshana Perrey. 2011. "Selecting for climatic variability: seed conservation for rainfed agriculture in Mexico." In *Society for Applied Anthropology (SFAA) Annual Conference*. Seattle, WA: Society for Applied Anthropology, March 30, 2011.

### Poster Presentations

1. Friedman, Andrew R., **Paul Rogé**, Marta Astier, and Miguel A. Altieri. 2015. "Farmer strategies for dealing with climatic variability: A case study from the Mixteca Alta Region of Oaxaca, Mexico." Association of American Geographers Annual Meeting, April 27, 2015.

2. **Rogé, Paul**, Andrew Friedman, Marta Astier, and Miguel Altieri. 2015. "Adaptation of rainfed agriculture to climatic variability in the Mixteca Alta Region of Oaxaca, Mexico." In *Toward Better Understanding of the Impacts of Climate Variability: From Ecosystem Processes to Agricultural Adaptation and Decision Making*. San Francisco, CA, December 18, 2015.
3. **Rogé, Paul**, CEDICAM, Andrew R. Friedman, Marta Astier, and Miguel A. Altieri. 2013. "Farmer responses to climatic variability in the Mixteca Alta of Oaxaca, Mexico: water, climate, and society." In *Philomathia Symposium*.
4. Ríos, Aída C, Silvia V Ruíz, Marta Astier, Jesús León Santos, Miguel Altieri, **Paul Rogé**, Francisco Mora, and Mayra Gavito. 2012. "Productividad y resiliencia en sistemas agrícolas tradicionales en la Mixteca Alta Oaxaqueña" [in Spanish]. In *III Coloquio Internacional en Geografía Ambiental*. Morelia, Michoacán, México, March 24, 2012.
5. Friedman, Andrew R, **Paul Rogé**, Marta Astier, and John Chiang. 2011. "Local climate variability and rainfed maize agriculture in highland Oaxaca, Mexico." In *Regional Integration of Climate Science, Information and Capacity Building with Regard to Climate Variability and Change in The Americas*. Denver, CO, October 25, 2011.
6. **Rogé, Paul**, Andrew Friedman, Miguel Altieri, Marta Astier, Julio Sánchez Escudero, and Jesús León Santos. 2009. "Adaptation of traditional agroecosystems to climate variability in Oaxaca, Mexico." In *Brazilian Journal of Agroecology*. Curitiba, Brazil, November 10, 2009.
7. **Rogé, Paul**, Lorena Vieli, Albie Miles, and Miguel Wilson Houston Altieri. 2009. "Effect of landscape structure on biological control of vineyard pests in Northern California." In *Brazilian Journal of Agroecology*. Curitiba, Brazil, November 10, 2009.