

October 2025

Kate Schneider Lecy, PhD MPA
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EDUCATION

Ph.D., Food Policy and Applied Nutrition **February 2021**

Friedman School of Nutrition Science & Policy, Tufts University

Fields: Food policy, Microeconomics of food & nutrition policy, Nutrition

Committee: Prof. William A. Masters, Tufts University

Prof. Patrick C. Webb, Tufts University

Dr. Luc Christiaensen, World Bank

Dissertation: “Household consumption, individual requirements, and the affordability of nutrient-adequate diets – An application to Malawi”

M.P.A., Public Administration and International Development **June 2011**

Evans School of Public Policy & Governance, University of Washington

B.A., Sociology **June 2006**

McGill University

RESEARCH & RELATED PROFESSIONAL EXPERIENCE

Assistant Professor, Arizona State University, Tempe, AZ **August 2025 –**

School of Sustainability, College of Global Futures

Faculty affiliate, Swette Center for Sustainable Food Systems

Faculty member, Economics for Sustainability Lab

Research Scholar (research faculty), Johns Hopkins University, Washington, DC **July 2023 – August 2025**

Paul H. Nitze School of Advanced International Studies

Co-Lead, Development, Climate & Sustainability Focus area

July 2023 – June 2024

Fellow (research faculty), Johns Hopkins University **July 2021 – June 2023**

Paul H. Nitze School of Advanced International Studies

Senior Research Data Analyst, Johns Hopkins University, Baltimore, MD **March – June 2021**

Berman Institute of Bioethics

Graduate Researcher, Tufts University, Boston, MA **2016 – 2020**

Changing Access to Nutritious Diets in Africa and South Asia Project

2018 – 2020

PI: William Masters

United in Building and Advancing Life Expectations Project, Blantyre, Malawi

2016 – 2018

PI: William Masters

Agricultural Development, Bill & Melinda Gates Foundation, Seattle, WA **2011 – 2016**

Program Officer

2016

Associate Program Officer

2013 – 2015

Research Analyst

2011 – 2013

Field Research Assistant, University of Washington, Seattle, WA **2011**

Water & Time Use Study, Oromia, Ethiopia

PI: Joseph Cook

Graduate Research Assistant, University of Washington, Seattle, WA**2009 – 2011**

Evans School Policy Analysis & Research (EPAR) Group

PIs: Leigh Anderson & Mary Kay Gugerty

TEACHING EXPERIENCE

Arizona State University, School of Sustainability**2025 –**

Professor, Sustainable Food and Farms (SOS 327)

Spring 2026

Professor, Research Methods and Analysis (SFS 565)

Summer 2026

Johns Hopkins University, Paul H. Nitze School of Advanced International Studies**2021 – 2025**

Instructor, Practical Research Methods

Spring 2022, Fall 2022, Fall 2023, Fall 2024

Instructor, Agricultural Development

Spring 2024

Instructor, Agriculture and Economic Development in the Modern World

Spring 2023

Faculty Advisor, SAIS Women Lead Practicum (2 groups)

2021 – 2022

Tufts University, Friedman School of Nutrition Science & Policy, Boston, MA**Co-Instructor** with Prof. Sean Cash, Statistical Methods

Fall 2020

Co-Instructor with Prof. Lynne Ausman, Research Methods and Proposal Writing

Summer 2020

Curriculum Development Assistant for Prof. Sean Cash, Economics of Ag. & Environment

2020

Curriculum Development Assistant for Prof. Sean Cash, Statistical Methods

2020

Teaching Assistant for Prof. Sean Cash, Statistical Methods

Fall 2018 & 2019

Teaching Assistant for Prof. Lynne Ausman, Research Methods and Proposal Writing

Summer 2019

Teaching Assistant for Prof. Parke Wilde, Regression Analysis

Spring 2019

Tutor for Academic Dean Ed Saltzman, Advanced Data Analysis

Spring 2019

JOURNAL ARTICLES

*Denotes graduate student first author(s) under my supervision.

IF = Journal impact factor, Clarivate *Journal Citation Reports* (IF noted as listed at time of individual publication)➤ **Monitoring Global Food Systems**

Schneider, K., Remans, R., Bekele, T.H., et al. (2025). “[Governance and resilience as entry points for transforming food systems in the countdown to 2030.](#)” *Nature Food*, 6(1). doi:10.1038/s43016-024-01109-4. **IF: 23.6**

*Dewi, D., *Aytekin, N.D., **Schneider, K.**, Resnick, D., Covic, N. (2024) “[Defining and measuring policy coherence for food systems transformation: A scoping review.](#)” *Global Food Security*, 43, 100803. doi: 10.1016/j.gfs.2024.100803. **IF: 9.8**

Schneider, K. (2024). “[Health–environment interactions across food systems.](#)” *Nature Food*, 5(1), 96-97. doi:10.1038/s43016-024-00928-9. **IF: 23.6**

Schneider, K., Fanzo, J., Haddad, L., et al. (2023). “[The state of food systems worldwide in the countdown to 2030.](#)” *Nature Food*, 4(12), 1090-1110. doi: 10.1038/s43016-023-00885-9. **IF: 23.6**

Ambikapathi, R., **Schneider, K.**, Davis, B., Herrero, M., Winters, P., Fanzo, J. (2022) “[Global food system transitions and patterns in the last decades: what have we learned so far? A Country Level Perspective.](#)” *Nature Food*, 3(9), 764–779. <https://doi.org/10.1038/s43016-022-00588-7>. **IF: 23.6**

Fanzo, J., Haddad, L., **Schneider, K.**, et al. (2021). [Viewpoint: Rigorous monitoring is necessary to meet the food system transformation challenge in the countdown to 2030 global goals.](#) *Food Policy*, 104, 102163. doi:10.1016/j.foodpol.2021.102163 **IF: 6.8**

Schneider, K., Fanzo, J., Haddad, L., Rosero Moncayo, J. (2021). [Global health has a stake in the upcoming UN Food Systems Summit](#). *Lancet*, 398(10305), 1027-1029. doi:10.1016/S0140-6736(21)02047-X. **IF: 98.4**

Schneider, K. & Herforth, A. (2020). [Software tools for practical application of human nutrient requirements in food-based social science research](#). *Gates Open Research*, 4(179).

➤ **Access to and Consumption of Healthy, Sustainable Diets**

Schneider, K., Webb, P., Christiaensen, L., & Masters, W. (2023) “[Assessing the affordability of nutrient-adequate diets](#).” *American Journal of Agricultural Economics*, 105(2), 503-524. doi:10.1111/ajae.12334. (Preprint; [World Bank Policy Research Working Paper](#)) **IF: 4.2**

Schneider, K. (2022) “[Nationally representative estimates of the cost of adequate diets, nutrient level drivers, and policy options for households in rural Malawi](#).” *Food Policy*, 113, 102275. doi:10.1016/j.foodpol.2022.102275 **IF: 6.8**

Schneider, K., Webb, P., Christiaensen, L., & Masters, W. (2021) [Assessing diet quality when families share their meals: Evidence from Malawi](#). *Journal of Nutrition*, 151(12), 3820-3830. doi:10.1093/jn/nxab287. **IF: 3.7**

Seymour, G., Masuda, Y., Williams, J., **Schneider, K.** (2019). [Household and child nutrition outcomes among the time and income poor in Bangladesh](#). *Global Food Security*, 20, 82-92. doi:10.1016/j.gfs.2019.01.004 **IF: 9.8**

Schneider, K., & Masters, W. A. (2019). [Orange Fanta versus orange fruit: A novel measure of nutrition knowledge in Malawi](#). *Maternal & Child Nutrition*, 15, e12656. doi:10.1111/mcn.12656 **IF: 2.8**

➤ **What works to generate healthy, sustainable, resilient, and just food systems?**

Westengen O.T., **Schneider Lecy, K.,** Angelsen, A., Aspholm, M.E., Bjugstad, N., Eriksen, S.H., Haug, R., Karlsson, C., Olsen, H.F., Rognli, O.A., Schwarm, A., Smedshaug, C.A., Varela, P. (2025). “[Three reasons why food system transformations are contested, and why food system scientists and policymakers should care](#).” *Frontiers in Sustainable Food Systems*, 9(1570961). doi: 10.3389/fsufs.2025.1570961. **IF: 3.1**

Schneider, K., De La O Campos, A.P., Cavatassi, R., Davis, B. (2024) “[Resilient and inclusive rural transformation in sub-Saharan Africa under climate, demographic, and social change: Challenges and opportunities for income growth and job creation](#).” *Global Food Security*, 43, 100815. doi:10.1016/j.gfs.2024.100815. **IF: 9.8**

Schneider, K., Oslund, J., & Liu, T. (2021). [The impact of the Community Eligibility Provision on School Meal Participation in Texas](#). *Public Health Nutrition*, 24(18), 6534–6542. doi:10.1017/S1368980021003712. **IF: 3.0**

CURRENT MANUSCRIPTS & WORKING PAPERS

➤ Monitoring Global Food Systems

Schneider Lecy, K., Yi, J., Conforti, P., Boero, V., Cerilli, C., Vollaro, M., Jiang, S., Rosero Moncayo, J., Barrett, C. “Estimating value added of the world’s agri-food systems.” *Under review*.

Carducci, B., **Schneider Lecy, K.**, et al. “Setting global, regional, and national targets and benchmarks for sustainable food systems transformation.” *Under review*.

Davis, B., Winters, P., Mane, E., Gurbuzer, Y., **Schneider Lecy, K.**, Caivano, G., Piedrahita, N., Chaudhary, N., Ambikapathi, R. “Estimating global and country-level employment in agri-food systems.” *Under review*. ([FAO working paper](#))

➤ Access to and Consumption of Healthy, Sustainable Diets

Schneider Lecy, K., Cash, S., Feng, W., Thorne-Lyman, A., & Love, D. “What happens to diet quality when food prices rise? Revealed preference from national household scanner data, 2015-2018.” *Under review*.

Manners, R., Warner, J., **Schneider Lecy, K.**, Umugwaneza, M., Benimana, G., Matsiko, E., Vasanthakalam, H., & Spielman, D. “The cost and affordability of new dietary recommendations in Rwanda.” *Under review*.

Schneider Lecy, K. & Thorne-Lyman, A. “Are Americans willing to pay for healthy and sustainable foods? Results of a nationally representative choice experiment and informational intervention of whole grains and legumes.” *Under review*.

Thorne-Lyman, A. & **Schneider Lecy, K.** “American consumers say it would be somewhat hard to make the dietary shifts recommended by the American Heart Association.”

Thorne-Lyman, A., **Schneider Lecy, K.**, Altema-Johnson, D., Angela, KC, Lee, H., Love, D., Neff, R., Nussbaumer, E., & Ramsing, R. “Strategies to Boost Consumption of Beans, Peas, and Lentils: Results of a National Survey of Americans.”

Schneider Lecy, K., Sanjeevi, N., Monsivais, P., McCracken, V., & Zhen., C. “Consumer demand for whole grains: Revealed preference from scanner data analysis, 2015-2022”.

Sanjeevi, N., **Schneider Lecy, K.**, Monsivais, P., & McCracken, V. “Whole grains and legumes in consumer food expenditure and diets: Scanner data analysis, 2015-2022”.

➤ What works to generate healthy, sustainable, resilient, and just food systems?

Schneider Lecy, K., Snapp, S., et al. “Crops that Nourish: Agricultural research approaches for opportunity crops to improve nutrition, soil health, resilience, and prosperity”. *Under review*.

GRANTS & AWARDS

*Denotes the budget includes paid student researchers

“Food Systems Countdown Initiative” (pending)
 Nourishing Food Pathways sub-award from GAIN
 Award to ASU: **\$54,327***
PI: Kate Schneider Lecy

2026 – 2027

<p>“Whose diet quality is most at risk when food prices rise?” Robert Wood Johnson Foundation Award to Johns Hopkins: \$96,324* PI: Kate Schneider</p>	2023 – 2025
<p>“Value added in Agri-food Systems” Food and Agriculture Organization of the United Nations Award to Johns Hopkins: \$98,369* PI: Kate Schneider</p>	2023 – 2024
<p>“Food Systems Countdown Initiative Bellagio Workshop” Rockefeller Foundation Bellagio Center Conference space and travel grants for all participants Lead applicant and coordinator: Kate Schneider</p>	April 2023
<p>“Food Systems Countdown Initiative” Dutch Ministry of Foreign Affairs sub-award from GAIN Award to Johns Hopkins: \$375,000* PI: Kate Schneider</p>	2022 – 2024
<p>“Optimizing human health and nutrition: from soil to society,” U.S. Department of Agriculture, sub-award from Washington State University Award to Johns Hopkins: \$987,014* (total award: \$10 million) PI: Andrew Thorne-Lyman</p>	2022 – 2027
<p>“Food Systems Countdown Report” Dutch Ministry of Foreign Affairs sub-award from GAIN Award to Johns Hopkins: \$236,000* PI: Jessica Fanzo</p>	2021 – 2022
<p>“Changing Access to Nutritious Diets in Africa and South Asia” Bill & Melinda Gates Foundation Award to Tufts: \$239,837* PI: William Masters</p>	2018 – 2020
Gerald J. Friedman Fellowships in Nutrition and Citizenship	2016 – 2020
Tufts University Provost Fellow Award	2016 – 2018
Bill & Melinda Gates Foundation High Impact Bonus	2015 & 2016

ADVISING & CONSULTANCIES

<p>“Crops that Nourish” International Maize and Wheat Improvement Centre Role: Convening co-organization, Op-ed co-authorship, Leadership of empirical paper</p>	2024 – 2025
<p>“Resilient Inclusive Rural Transformation: Income, Jobs and Labor” Food and Agriculture Organization of the United Nations Role: Member of core organizing group, Leader of review paper on income, jobs, and labor</p>	2023 – 2024
<p>“Investment Evaluation” Global Investment Fund Role: Evaluator</p>	2021

BOOK CHAPTERS

Fanzo, J., **Schneider, K.**, Wood, S. (2024). “Health Impacts Due to Food and Nutrition Insecurity.” Levy, B. & Patz, J., (Eds). [Climate Change & Public Health, 2nd Edition](#). Oxford: Oxford University Press.

Cliffer, I., Marshak, A., **Schneider, K.**, Venkat, A., Naimova, E. (2023). “[Seasonality of nutrition](#).” Cheskin, L., Franco, M., & Hoffman, D. (Eds.). *Encyclopedia of Human Nutrition*, 4th Edition. Cambridge, MA: Academic Press.

Pingali, P., **Schneider, K.**, Zurek, M. (2014). “[Poverty, agriculture and the environment: the case of sub-Saharan Africa](#).” Von Braun, J. & Gatzweiler, F. (Eds.). *Marginality: Addressing the Nexus of Poverty, Exclusion and Ecology*. New York: Springer.

POLICY BRIEFS AND WORKING PAPERS

Food Systems Countdown Initiative. 2025. [The Food Systems Countdown Report 2024: Tracking progress and managing interactions](#). New York: Columbia University; Ithaca: Cornell University; Rome: Food and Agriculture Organization of the United Nations (FAO); Geneva: Global Alliance for Improved Nutrition (GAIN). doi:10.36072/fsci2024.

Nordhagen, S., Beal, T., & **Schneider, K.** (2023). “[The Food Systems Countdown Report 2023: The state of food systems worldwide](#).” Food Systems Countdown Initiative. Geneva, Rome, and New York: Global Alliance for Improved Nutrition, Food and Agriculture Organization of the United Nations, Columbia University, and Cornell University.

Schneider, K., Bellows, A., Downs, Bell, W., Ambikapathi, R., Masters, W., Nordhagen, S., Nugent, R., Branca, F., Fanzo, J. (2023) “[Inequities and access to healthy diets: A landscaping review and ways forward](#).” GAIN Discussion Paper No. 12. Geneva: Global Alliance for Improved Nutrition. doi:10.36072/dp.12.

Schneider, K., Gugerty, M.K. (2011). [Agricultural Productivity and Poverty Reduction: Linkages and Pathways](#). *The Evans School Review* 1(1). Seattle, WA: University of Washington.

INVITED PRESENTATIONS & POSTERS

“Interdisciplinary and multisector partnerships are key to achieving the dietary guidelines recommendations for whole grain consumption.” (Selected panel session). Association for Public Policy and Management annual fall conference. Seattle, WA. November 2025.

“Soil to Society: An integrated research, education, and outreach program for more sustainable and nutritious food systems.” (Selected session). 2025 AAAS Forum on Science & Technology Policy: Farm to Table Science Policymaking. Bethesda, MD. October 2025.

“Governance and resilience as entry points for food systems transformation” (Selected lightening presentation). Agricultural and Applied Economics Association annual meeting. Denver, CO. July 2025.

“What happens to diet quality when food prices rise?” (Selected lightening presentation). Agricultural and Applied Economics Association annual meeting. Denver, CO. July 2025.

“Estimating the cost of recommended diets using (near) real-time data in Rwanda.” (Track session). Agricultural and Applied Economics Association annual meeting. Denver, CO. July 2025.

“Interactions across food systems.” (Invited Keynote). UVM Food Systems Summit. Burlington, VT. September 2024.

“The state of food systems worldwide” (Selected presentation). International Conference of Agricultural Economics (ICAE). New Delhi, India. August 2024.

- “Estimating the output value added of the world’s agri-food systems.” (Selected panel: “Does Organization of Agrifood Value Chains across Developing and Developed Countries Influence Sustainable Development Outcomes? Integrated Single and Multi-Country Comparative Analysis.”). International Conference of Agricultural Economics (ICAE). New Delhi, India. August 2024.
- “Healthy food environment policies.” (Selected panel: “Food environments for healthy diets in Africa”). International Conference of Agricultural Economics (ICAE). New Delhi, India. August 2024.
- “The state of food systems worldwide” (Invited Keynote). Paths to Sustainable Food Systems Conference. Norwegian University of Life Sciences NMBU. Oslo, Norway. April 2024.
- “Whose diet quality is most at risk when food prices rise?” (Selected paper). Association for Public Policy and Management (APPAM) Fall Conference. Atlanta, GA. November 2023.
- “Estimating global and country-level employment in agrifood systems” (Plenary presentation). 9th International Conference on Agricultural Statistics. Washington, DC. May 2023.
- “Science-based Monitoring to Transform Global Food Systems”. Tata-Cornell Institute 10th Anniversary Conference. Ithaca, NY. May 2023.
- “Labor in Agri-food Systems” (Track Session). Agricultural & Applied Economics Association Annual Meeting. Anaheim, CA. July 2022.
- “Nationally representative estimates of the cost of adequate diets, nutrient level drivers, and policy options for households in rural Malawi”. International Food Policy Research Institute, Malawi. Virtual Brown Bag. December 2021.
- “Nationally representative estimates of the cost of adequate diets, nutrient level drivers, and policy options for households in rural Malawi” (Selected Presentation). International Conference of Agricultural Economics. Virtual. August 2021.
- “Nationally representative estimates of the cost of adequate diets, nutrient level drivers, and policy options for households in rural Malawi” (Selected Presentation). Agricultural & Applied Economics Association Annual Meeting. Austin, TX. July 2021.
- “Impact of the Community Eligibility Provision Program on School Meal Participation in Texas” (Poster). Agricultural & Applied Economics Association Annual Meeting. Austin, TX. July 2021.
- “Food Policy Metrics for Access to Affordable Healthy Diets” (Selected Poster). Association for Public Policy Analysis & Management Annual Meeting. Virtual. November 2020.
- “Impact of the Community Eligibility Program on School Meal Participation in Texas.” (Selected Presentation, with J. Oslund). Association for Public Policy Analysis & Management Annual Meeting. Virtual. November 2020.
- “Use of the Malawi Food Composition Database (MAFOODS): The adequacy of current consumption and the affordability of nutrient adequate diets”. Nutrition Innovation Lab Webinar. Virtual. November 2020.
- “Access to nutrient-dense foods in Malawi”. 2020 Micronutrient Forum. Virtual. November 2020.
- “Sources, intake levels, and shadow prices of essential nutrients in rural Malawi: Evidence from household surveys and market prices reveal the cost of vitamins and minerals” (Selected Paper). Agricultural & Applied Economics Association Annual Meeting. Virtual. August 2020.
- “Household diet quality and the cost of nutritious diets in Malawi” (Oral presentation). Agriculture for

Nutrition and Health Academy Week. Virtual. July 2020.

“Advancing the use of household surveys for nutrition: Nutrient adequacy at the household level and the cost of nutritious diets in Malawi” (Organized symposium presentation). Agricultural & Applied Economics Association Annual Meeting. Atlanta, GA. July 2019.

“Orange Fanta vs orange fruit: A novel measure of nutrition knowledge and women’s diet quality in Malawi” (Oral presentation). Triannual International Conference of Agricultural Economics (ICAE). Vancouver, BC, Canada. August 2018.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Agricultural & Applied Economics Association (AAEA), since 2016

Agriculture for Nutrition and Health Academy (ANH Academy), since 2016

International Agricultural Economics Association (IAEA), since 2018

Association for Public Policy Analysis & Management (APPAM), since 2020

SERVICE

Primary advisor to Jeffrey Rice, Doctorate in International Affairs, SAIS	2024 –
Mentoring Award Committee, Agricultural & Applied Economics Association (AAEA)	2023 –
Professional Development Committee, Committee on Women in Agricultural Economics (CWAE), Agricultural & Applied Economics Association (AAEA)	2022 –
Member, Private and Public, Scientific, Academic, and Consumer Food Policy Group (PAPSAC), Harvard Business School and Harvard Kennedy School	2022 –
Member, United Nations Development Programme	2024 – 2025
Food and Agriculture Technical Working Group	
Co-lead, Development, Climate, & Sustainability Focus Area, with John Banks	2023 – 2024
Global Agriculture Seminar Series Co-Lead with Shoumitro Chatterjee	2022 – 2024
Faculty search committee, Tufts University	2022
Survey Committee, Committee on Women in Agricultural Economics (CWAE), Agricultural & Applied Economics Association (AAEA)	2021 – 2022
Substitute instructor, Practical Research Methods for International Development, Johns Hopkins University, School of Advanced International Studies (SAIS)	Nov – Dec 2021
Curriculum & Degrees Subcommittee on Anti-Racist Curricula, Tufts University	2020 – 2021
Awards Committee, Committee on Women in Agricultural Economics (CWAE), Agricultural & Applied Economics Association (AAEA)	2020 – 2021
Career Services Hiring Committee, Tufts University	2020
Friedman School Representative, Academic Affairs Committee	2019 – 2020
Board of Trustees, Tufts University	
Submissions reviewer, Agricultural & Applied Economics Association Annual Meeting	2019
Food pantry volunteer, Rosie’s Place, Boston, MA	2017 – 2020
Advisory Council Member, Agricultural Technology Adoption Initiative (ATAI) University of California, Berkeley & Massachusetts Institute of Technology	2015 – 2016
Volunteer English Teacher in La Violeta, Costa Rica	2008
WorldTeach, Harvard University Center for International Development	

Reviewer for multiple journals across disciplines:

Applied economics: *Food Policy*, *American Journal of Agricultural Economics (AJAE)*, *Journal of the Agricultural and Applied Economics Association (JAAEA)*, *China Economic Review*, *Journal of African Economies*.

Multidisciplinary food systems: *Nature Food*, *Global Food Security*, *Food Security*, *npj Ocean Sustainability*, *Agrigender Journal*, *Agriculture*.

Sustainability: *Nature Sustainability*, *Nature Climate Change*, *PLOS One*, *One Earth*.

Nutrition: *Journal of Nutrition*, *Public Health Nutrition*, *American Journal of Clinical Nutrition*, *Maternal & Child Nutrition*, *Current Developments in Nutrition*, *Food and Nutrition Bulletin*.

SKILLS

Software: R, Stata, Microsoft Office, Zotero, Git, Open Data Kit (ODK)

Management: Grant proposal writing, project and program design and management, substantial knowledge of donor landscape and priorities, communication and leadership, organization, problem-solving, work collaboratively and independently, public speaking

Mentorship: Oversight and guidance of independent student work, managing student research assistants on faculty-led projects, supervising doctoral students

Languages: Fluent Spanish, intermediate American Sign Language, basic French