

# Matthew S. Clancy

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## Employment

*Open Philanthropy Project* November 2022 – Present  
Research Fellow

*Institute for Progress* May 2022 – November 2022  
Senior Innovation Economist

*Iowa State University – Department of Economics* 2018-May 2022  
Assistant Teaching Professor – Agricultural Entrepreneurship Initiative  
Associate Member of the Graduate Faculty (Department of Economics)

*Economic Research Service – United States Department of Agriculture* 2015-2018  
Research Economist

## Education

PhD (Economics)	<i>Iowa State University</i>	2015
MSc (Economics)	<i>London School of Economics, U.K.</i>	2010
Diploma (Economics)	<i>University of Cambridge, U.K.</i>	2007
BS (Physics)/BA (Religious Studies)	<i>Iowa State University</i>	2006

## Digital Projects

NewThingsUnderTheSun.com – A living literature review on social science research related to innovation. Over 10,000 subscribers to the associated newsletter (December 2022). Site launched in August 2021. Supported by grants from Emergent Ventures (2021), the Institute for Progress, and Open Philanthropy (2022).

301.withorbit.com – Online intermediate microeconomics course mixing short video lectures with personalized review questions built on the Orbit platform. Launched February 2021 with Andy Matuschak.

## Publications

Clancy, Matthew. Forthcoming. Are Ideas Getting Harder to Find? A Short Review of the Evidence. Chapter in *AI and the Productivity of Science*, ed. Alistair Nolan. *OECD*.

Clancy, Matthew. Forthcoming. Is Technological Progress in Agriculture Slowing? Chapter in *AI and the Productivity of Science*, ed. Alistair Nolan. *OECD*.

Clancy, Matthew, Paul Heisey, Yongjie Ji, and GianCarlo Moschini. 2021. The Roots of Agricultural Innovation: Patent Evidence of Knowledge Spillovers. Chapter in *The Economics of Research and Innovation in Agriculture*, ed. Petra Moser. *National Bureau of Economic Research*.

Sneeringer, Stacy, and Matt Clancy. 2019. Incentivizing New Veterinary Pharmaceutical Products to Combat Antibiotic Resistance. *Applied Economic Perspectives and Policy* ppz022.

Sneeringer, Stacy, Maria Bowman and Matthew Clancy. 2019. The Animal Pharmaceutical Industry in the Age of Antibiotic Resistance: Trends in Demand and Supply of Antibiotics for Food Animal Production. *USDA Economic Research Service Economic Research Report 264*.

Gold, Richard E., et al. 2019. An Open Toolkit for Tracking Open Science Partnership Implementation and Impact. Outcome of the Designing Indicators for Open Science Performance Workshop, London UK, 2018

Clancy, Matthew. 2018. Combinations of Technology in US Patents, 1926-2009: A Weakening Base for Future Innovation? *Economics of Innovation and New Technology*.

Clancy, Matthew, and GianCarlo Moschini. 2018. Mandates and the Incentive for Environmental Innovation. *American Journal of Agricultural Economics* 100(1): 198-219.

Clancy, Matthew. 2017. Inventing by Combining Pre-Existing Technologies: Patent Evidence on Learning and Fishing Out. *Research Policy* 47(1): 252-265.

Clancy, Matthew, and GianCarlo Moschini. 2017. Intellectual Property Rights and the Ascent of Proprietary Technology in Agriculture. *Annual Review of Resource Economics* (9): 53-74.

Fuglie, Keith, Matthew Clancy, Paul Heisey, and James MacDonald. 2017. Research, Productivity, and Output Growth in U.S. Agriculture. *Journal of Agricultural and Applied Economics*: 1-41.

Fuglie, Keith O., Matthew S. Clancy, and Paul W. Heisey. Forthcoming. Private Sector Research and Development. Chapter in *Handbook of Agriscience and Agribusiness*, ed. N. Kalaitzandonakes.

Clancy, Matthew, and GianCarlo Moschini. 2013. Incentives for Innovation: Patents, Prizes, and Research Contracts. *Applied Economic Perspectives and Policy* 35(2): 206-241.

## **Working Papers**

Clancy, Matthew. 2022. The Credit Economy in Science.

Clancy, Matthew. 2022. Optimal Long-Term Knowledge with Dangerous Knowledge.

Clancy, Matthew, and Stacy Sneeringer. 2018. Eating the Seed Corn? The Impact of Generic Drug Entry on Innovation in Animal Health. Forthcoming selected presentation at 2018 AAEA Annual Meeting.

Clancy, Matthew, and GianCarlo Moschini. 2016. Pushing and Pulling Environmental Innovation: R&D Subsidies and Carbon Taxes. Prepared for 2016 AAEA Annual Meeting in Boston, MA. <http://purl.umn.edu/235710>.

## **Presentations**

“Is innovation a process of combination? A roundup of recent evidence.” 2022. Modeling an evolving economy conference, London UK.

“Why is scientific and technological progress getting harder? Thirteen explanations plus one meta-explanation.” 2022. Nesta UK.

“Where do good ideas come from?” Invited lecture. 2022. Global Agribusiness Academy.

“Citation games in science.” 2021. Invited seminar. Drake University.

“Is technological progress in agriculture slowing down?” 2021. OECD conference on AI and the productivity of Science.

“Putting the studies in progress studies.” 2021. Progress Studies Summit. San Francisco, CA.

“The State of Private Agricultural R&D in the States: New Data from Patents.” 2021. USDA ERS Brown Bag lunch series.

“The Case for Remote Work” 2021. NASA Langley Future of Work Seminar Series; 2021 Work From Anywhere Event; 2021 NorthernLands 3 conference; 2020 Challey Institute for Global Innovation and Growth at North Dakota State University; 2020 Northernlands 2 conference.

“The Roots of Agricultural Innovation: Patent Evidence of Knowledge Spillovers.” 2020 AEA ASSA Annual Meeting (session on “Studying Innovation in Agriculture – New Data and New

Tools"). San Diego, CA; 2019 NBER Conference on the Economics of Research and Innovation in Agriculture (with GianCarlo Moschini, Paul Heisey, and Yongjie Jie), Washington, DC

"The Economics of Innovation in Animal Health." 2019 Anivive company retreat. Los Angeles, CA.

"Does Regulation Hurt Innovation in Animal Pharma? The Case of New Animal Antibiotics." Poster (with Stacy Sneeringer) at 2017 AAEA Annual Meeting, Chicago, IL.

"Private R&D: Structure, Competition, and Incentives for Agricultural Biotechnology." Presentation at 2017 International Consortium on Applied Bioeconomy Research, Annual Meeting, Berkeley, CA.

"US Agricultural R&D in an Era of Falling Public Funding." Presentation at 2017 Aquaculture America Conference, San Antonio, TX.

"Pushing and Pulling Environmental Innovation: R&D Subsidies and Carbon Taxes." Paper presented at the 2016 AAEA Annual Meeting, Boston, MA.

"Incentivizing R&D for New Products for Use in Food Animal Agriculture." Presentation (with Stacy Sneeringer) to June 21 2016 Public Meeting of the Presidential Advisory Council on Combating Antibiotic-Resistance Bacteria, Washington, DC.

"Mandates and the Incentives for Innovation." Paper presented at the 2014 AAEA Annual Meeting, Minneapolis, MN.

## **Non-Peer Reviewed Publications**

Clancy, Matthew and Adam Ozimek. 2021. The Case for a More Distributed Federal Workforce. Report for *The Progressive Policy Institute*.

Clancy, Matthew. 2021. What Ails the Social Sciences? Work in Progress Issue #3

Clancy, Matthew. 2020. The Case for Remote Work. Report for *The Entrepreneur Network*.

Clancy, Matthew. 2020. Remote Work's Time Has Come. *City Journal*.

Clancy, Matthew. 2020. Remote Work is Here to Stay. *The Economist Intelligence Unit Blog*.

Clancy, Matthew, Keith Fuglie, and Paul Heisey. 2016. U.S. Agricultural R&D in an Era of Falling Public Funding. *USDA Amber Waves*.

## Grants

Open Philanthropy Grant to Support New Things Under the Sun 2022  
Institute for Progress Grant to Support New Things Under the Sun 2022  
Emergent Ventures Progress Studies Fellow, 2020  
USDA Economic Research Service Cooperative Grant, 2018-2020

## Awards and Honors

Amber Waves Best Feature, *USDA Economic Research Service*, 2016.  
Best Dissertation, *Center for Agricultural and Rural Development*, 2016  
Outstanding Dissertation, *Agricultural and Applied Economics Association*, 2016  
Outstanding AEPP Article Award, *Agricultural and Applied Economics Association*, 2014  
Brown Graduate Fellowship, Iowa State University, 2014  
USDA National Needs Graduate Fellowship, 2011-2014  
Nils Olsen Graduate Fellowship, Iowa State University, 2010  
MSc with distinction, London School of Economics, 2010  
BS/BA with distinction, Iowa State University, 2006  
Phi Beta Kappa, 2005  
National Merit Scholar, 2002-2006

## Teaching

Institute for Progress, *Course Instructor*  
The Economics of Ideas, Science, and Innovation Economics PhD Short Course  
(w/ Pierre Azoulay, Ina Ganguli, Benjamin Jones, and Heidi Williams) 2022  
Iowa State University, *Instructor*  
Economics 383X – Economics of Innovation 2019  
Economics 416 – Industrial Organization 2019, 2020  
Economics 301 – Intermediate Microeconomics 2018-2022  
Economics 101 – Principles of Microeconomics 2014, 2018

## Professional Activities

Membership: Presidential Advisory Council on Combatting Antibiotic-Resistant Bacteria  
(PACCARB) Strategic Planning Working Group (2016-2018), American Economic  
Association, Agricultural and Applied Economics Association  
Invited Participant: Designing Indicators for Open Science Performance, London UK, 2018  
Referee: *American Journal of Agricultural Economics*, *Agricultural and Resource Economics Review*,  
*Applied Economic Perspectives and Policy*, *BE Journal of Economic Analysis and Policy*, *Canadian  
Journal of Agricultural Economics*, *Economics of Innovation and New Technology*, *Journal of  
Economic Management and Strategy*, *Journal of Economic Teaching*, *Nature*, *PLOS ONE*, *Research  
Policy*

President: Iowa State University Economic Graduate Student Association, 2011-2012  
#EconTwitter: Runs WelcomeEcon account, organizes #EconTwitter Science Fiction Book Club

## **Non-Academic Experience**

Business Monitor International, U.K.

Sub-Saharan Africa Economic Analyst, 2007-2009

## **Other**

ChangeMaker Academy (Co-head): extracurricular program for undergraduates interested in entrepreneurship, run through the Agricultural Entrepreneurship Initiative

Programming – Python, R, Matlab

Citizenship – Dual US/Irish