

# Matthew S. Clancy

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## Employment

<i>Iowa State University – Department of Economics</i>	2018-Present
Assistant Teaching Professor – Agricultural Entrepreneurship Initiative	
Associate Member of the Graduate Faculty (Department of Economics)	

<i>Economic Research Service – United States Department of Agriculture</i>	2015-2018
Research Economist	

## Research Interests

Economics of Innovation, Industrial Organization, Agricultural Economics, Remote Work

## 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 3,900 subscribers to the associated newsletter (November 2021). Site launched in August 2021. Supported by a grant from Emergent Ventures.

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, Paul Heisey, Yongjie Ji, and GianCarlo Moschini. Forthcoming. 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. 2021. Citation Games in Science. Invited seminar at Drake University.

Clancy, Matthew. 2021. Is technological progress in agriculture slowing down? OECD Conference on AI and the Productivity of Science.

Clancy, Matthew. 2018. How Deep are the Roots of Agricultural R&D? Evidence from Patents. Selected presentation at 2018 AAEA Annual Meeting.

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 Stacy Sneeringer. 2018. How Much Does it Cost to Induce R&D 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**

“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**

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

Iowa State University, *Instructor*

Economics 383X – Economics of Innovation	2019
Economics 416 – Industrial Organization	2019, 2020
Economics 301 – Intermediate Microeconomics	2021, 2020, 2019, 2018
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*, *PLOS ONE*, *Research Policy*

President: Iowa State University Economic Graduate Student Association, 2011-2012

## 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