

Matthew S. Clancy

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Employment

Iowa State University – Department of Economics 2018-Present
Lecturer – Agricultural Entrepreneurship Initiative
Associate Member of the Graduate Faculty (Department of Economics)

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

Research Interests

Economics of Innovation, Industrial Organization, Agriculture and the Environment

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

Publications

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, Paul Heisey, Yongjie Ji, and GianCarlo Moschini. The Roots of Agricultural Innovation: Evidence from Patents. Part of the 2019 NBER Conference on The Economics of Research and Innovation in Agriculture, Washington DC.

Clancy, Matthew, Stacy Sneeringer, and Maria Bowman. 2018. The Animal Pharmaceutical Industry in the Age of Antibiotic Resistance: Trends in Demand and Supply of Antibiotics for Food Animal Production. Forthcoming USDA Economic Research Report.

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

“The Roots of Agricultural Innovation: Evidence from Patents.” 2019 NBER Conference on the Economics of Research and Innovation in Agriculture (with GianCarlo Moschini, Paul Heisey, and Yongjie Jie), Washington, DC.

“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

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

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 416 – Industrial Organization (27 students)	2019
Economics 301 – Intermediate Microeconomics (~45 students)	2018
Economics 101 – Principles of Microeconomics (~270 students)	2018
Economics 101 – Principles of Microeconomics (~30 students)	2014

Iowa State University, <i>Teaching Assistant</i>	
Economics 416 – Industrial Organization	2015
Economics 102 – Principles of Macroeconomics	2010
Economics 380 – Environmental and Resource Economics	2010
Economics 480 – Intermediate Environmental and Resource Economics	2010
Economics 101 – Principles of Microeconomics	2011
Economics 102 – Principles of Macroeconomics	2011

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*, *PLOS ONE*

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