

## BRUCE A. WEINBERG

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**Education:**

University of Chicago, Ph.D., Economics, 1996.

University of Chicago, B. A., with Honors, Economics, 1991.

**Professional Positions:**

- Ohio State University, Department of Economics.
  - Eric Byron Fix-Monda Endowed Professor, November 2021-
  - Professor, October 2010-2021.
  - Associate Professor, October 2001-September 2010.
  - Assistant Professor, October 1996-September 2001.
  - Distinguished Scholar Award for exceptional scholarly accomplishments. 2022.
  - Joan N. Huber Faculty Fellow in recognition of outstanding scholarship. 2015.
  - Director of Undergraduate Studies, 2007-2012.
  - John Glenn School of Public Affairs 2007-.
  - Faculty Associate, Battelle Center; Center for Higher Education Excellence; Center for Human Resource Research; Criminal Justice Research Center; Center for Urban and Regional Analysis (and Oversight Committee Member); Initiative in Population Research; Mershon Center.
- National Bureau of Economic Research
  - Research Associate, 2010-
  - Faculty Research Fellow, 2005-2010.
  - Visiting Scholar 2004-2005.
- Visiting Scholar. Princeton University, Industrial Relations Section and Department of Economics, 2012-13.
- Visiting Scholar, Federal Reserve Bank of Cleveland, 2009-2010.
- Taubman Center, Harvard University, Visiting Scholar, 2004-2005.
- Institute for the Study of Labor (IZA), Bonn, Research Fellow, 2002-.
- Hoover Institution, National Fellow, 2000-2001.
- Extended Visits: Hebrew University; IZA; LSE; Maastricht University.

**Teaching Experience:**

- Undergraduate Microeconomics (Honors Principles, Intermediate, Calculus-Based Intermediate, and MBA), Ohio State University.
- Undergraduate and Graduate Labor Economics, Ohio State University.

- Undergraduate Research. Ohio State University.

### **Fellowships and Grants**

- National Institutes of Health. National Institute on Aging, National Institute for General Medical Sciences, Office of the Director. PI. \$2,333,719. “The Health and Economic Impacts of COVID-19 and Policy Responses.” With Meta Brown, Hanbat Jeong, Kurt Lavetti, Rebecca McKibbin. September 30, 2021-May 31, 2026. U01AG076549.
- National Science Foundation. Division of Graduate Education. Co-PI. \$2.5 (OSU \$1,389,539). “Collaborative Research: Examining Training Environments and Career Outcomes of Interdisciplinary STEM PhD Students.” With Enrico Berkes, Drew Hanks, Gabi Jiang, Kevin Kniffin, and Stasa Milojevic. June 1, 2021-May 31, 2026. Award # 2100234.
- National Science Foundation. Economics. Mentor. \$405,665 (OSU \$25,869). “MCA-ECON: The Impacts of Supply and Demand on Ideas, Innovation, and Diversity in Economics” with Francisca Antman (PI / Midcareer Awardee) and Kirk Doran (Co-Mentor).
- National Institutes of Health. National Institute of General Medical Sciences. PI. “Invisible Collaborators: Underrepresentation, Research Networks, and Outcomes of Biomedical Researchers.” \$869,402. August 1, 2020-June 30, 2024. With Enrico Berkes and Jason Owen-Smith. R01GM140281.
- National Institutes of Health. National Center for the Advancement of Clinical and Translational Sciences. (Supplement Lead). “Center for Clinical and Translational Science Supplement: The Economic Impact, Incidence, and Diffusion of COVID-19.” \$671,710. July 1, 2020-May 31, 2021. With Kurt Lavetti, Rebecca Jackson (PI), Tamar Oostrom. UL1TR002733 03S2
- National Institutes of Health. National Institute on Aging. (Co-Investigator) \$299,149. “Improving Health Outcomes for an Aging Population Supplement: The Impact of the COVID-19 Pandemic and Subsequent Economic Downturn on Population Health and Mortality.” July 1, 2020-June 30, 2021. With Marcella Alsan, Katherine Baicker, Amitabh Chandra, Christopher Ruhm, David Cutler, Hannes Schwandt, Till von Wachter. P01AG005842
- National Institutes of Health. National Center for the Advancement of Clinical and Translational Sciences.” (Module Lead). “Center for Clinical and Translational Science Optional Module: Innovation, Commercialization, and Entrepreneurship, an Optional Module of the Center for Clinical and Translational Science. \$1,034,170. September 1, 2018-May 31, 2023. Rebecca Jackson (PI). UL1 TR002733.
- National Science Foundation. Division of Graduate Education. Co-PI. \$2,417,408 (OSU \$745,764). “Collaborative Research: New Insights into STEM Pathways: The Role of Peers, Networks, and Demand.” May 1, 2018-April 30, 2021. With Julia Lane and Jason Owen-Smith. Award #1760544.
- National Science Foundation, National Center of Science and Engineering Statistics. Subcontract from SRI International. PI. “Scientific Productivity Data of SDR Sample through Linkage: Expanded Manual Validation.” January 18, 2018-August 1, 2018. \$44,083.

- National Science Foundation. Division of Graduate Education. PI. \$2,369,713. “Collaborative Research: STEM Training, Employment in Industry, and Entrepreneurship.” September 2013-August 2020. With Barbara McFadden Allen, Josh Hawley, Julia Lane, and Jason Owen-Smith. Award #1535399.
- Ewing Marion Kauffman Foundation. Co-PI. \$1,497,751. “The Institute for Research on Innovation and Science (IRIS).” January 2015-February 2018. With Barbara McFadden Allen, Julia Lane, Jason Owen Smith (PI), and Rebecca Rosen.
- Alfred P. Sloan Foundation. Co-PI. \$999,785. “The Institute for Research on Innovation and Science (IRIS).” January 2015-December 2017. With Barbara McFadden Allen, Julia Lane, Jason Owen-Smith (PI), and Rebecca Rosen.
- Ewing Marion Kauffman Foundation. PI. \$216,491. “Building an Implementation Roadmap for an Institute for Research on Innovation and Science (IRIS).” February 2014-October 2014. With Barbara McFadden Allen, Julia Lane, Jason Owen Smith, and Rebecca Rosen. Award #20140049.
- National Institutes of Health. National Institute on Aging, Office of Behavioral and Social Science Research, and National Science Foundation (SciSIP Program). PI. \$4,361,971 + Numerous Supplements. “Innovation in an Aging Society.” September 30, 2013-June 30, 2018. With Pierre Azoulay, Jay Bhattacharya, David Blau, Katy Borner, Josh Graff Zivin, John Ham, Gerald Marschke Mikko Packalen, Subhra Saha, Neil Smalheiser, and Vetle Torvik. P01 AG039347.
- National Science Foundation. Division of Graduate Education. PI. \$1,457,737. “Collaborative Research: STEM Workforce Training: A Quasi-Experimental Approach Using the Effects of Research Funding.” September 2013-August 2017. With Lee Giles, Julia Lane, Christopher Morphew, and Vetle Torvik. Award #1348691.
- National Science Foundation. Science of Science and Innovation Policy. PI. \$471,784. “The Economic Spillovers from Science.” April 2011-March 2014. With Subhra B. Saha. Award #1064220.
- National Science Foundation. \$23,560. REU Supplement. September 2011-March 2014.
- Federal Reserve Bank of Cleveland. PI. \$80,000. “Research, Social Interactions, and Local Economic Performance.” January 2009-December 2009. With Subhra B. Saha.
- John Templeton Foundation. PI. \$140,000. “Geography and Creativity.” January 2008-December 2009. With John Ham and Ben Jones. Award #12665.
- National Institutes of Health. Directorate. \$15,000. “Geography and Competitiveness.” Fall 2007-Spring 2008.
- Ohio State University, Mershon Center. Various Grants.
- National Science Foundation. Social and Economic Sciences. Co-PI. \$257,764. “The Economics of Creativity,” with David W. Galenson. April 2001-April 2003. Award #0095776.
- National Science Foundation. \$6000. REU Supplement. Summer 2002.
- Hoover Institution, National Fellowship, 2000-2001.
- Ohio State University Seed Grant, 1998-1999.
- Ohio State University, College of Social and Behavioral Sciences Grant, 1997.
- Alfred Sloan Foundation, Doctoral Dissertation Fellowship, 1995-1996.
- National Science Foundation, Graduate Studies Fellowship, 1992-1995.

- University of Chicago, Century Fellowship, 1991-1995.

### **Editorial Work, Service and Honors:**

- Member, Committee on Science, Engineering and Public Policy (COSEPP), American Association for the Advancement of Science, (2022-2024)
- Associate Editor, *Industrial and Labor Relations Review* (2018-)
- Co-Organizer with Donna Ginther (Lead) and Kaye Husbands Fealing of 3 Sloan Foundation funded NBER Conferences on Investments in Early Career Scientists.
- Member, Next Generation Working Group, Advisory Committee to the Director, National Institutes of Health (2017-2018).
- Ohio State. Joan N. Huber Faculty Fellow, recognizing outstanding scholarship. 2015.
- Midwest Economics Association, First Vice President, 2013-14.
- Editorial Board, *Pacific Economic Review* (2013-).
- Co-Chair of Subcommittee to model the Biomedical Research Workforce for the Advisory Committee to the Directorate of the National Institutes of Health, 2011-2012.
- Associate Editor, *Regional Science and Urban Economics* (2007-2018).
- Associate Editor, Labor Economics, *New Palgrave Dictionary of Economics* (2007-).
- H. Gregg Lewis Prize Selection Committee, Society of Labor Economists, 2012, 2014.
- Co-Organized (with Julia Lane) a Conference to Build an Institute for Research on Innovation and Science under the Auspices of the Sloan Foundation. July 2013.
- ORCID, Multiple Associations Working Group. Member. 2013.
- Society of Labor Economists, Paper Selection Committee, 2011.
- Clark Lecture, Wayne State University, April 2011.
- Review Committee Panelist, Korean Science Foundation, World Class Universities (2008).
- Review Committee Panelist, National Science Foundation, Science of Science and Innovation Policy (2007).
- Co-organizer, Universities, Innovation, and Economic Growth Conference, Federal Reserve Bank of Cleveland (2006).
- Co-organizer, New Ideas about New Ideas Conference, National Bureau of Economic Research (2006).
- Lee Award, University of Chicago, highest performance on Income Examination.

### **Journal Articles:**

- Reza Sattari, Jung Bae, Enrico Berkes, and Bruce A. Weinberg. 2022. “The Ripple Effects of Funding on Researchers and Output.” Forthcoming, *Science Advances*.
- Laura Montenovo, Xuan Jiang, Felipe Lozano Rojas, Ian M. Schmutte, Kosali I. Simon, Bruce A. Weinberg, and Coady Wing. 2021. “Determinants of Disparities in Covid-19 Job Losses.” NBER Working Paper No. 27132. Forthcoming *Demography* (DOI): 10.3386/w27132

- Wan-Ying Chang, Maryah Garner, Jodi E. Basner, Bruce A. Weinberg, and Jason Owen-Smith. 2022. “A linked data mosaic for policy-relevant research on science and innovation: Value, Transparency, Rigor, and Community.” Forthcoming *Harvard Data Science Review*.
- Valerie K. Bostwick and Bruce A. Weinberg. 2022. “Nevertheless She Persisted: Gender Peer Effects in Doctoral STEM Programs.” *Journal of Labor Economics*. <https://www.journals.uchicago.edu/doi/10.1086/714921>
- Huifeng Yu, Gerald Marscke, Joseph Staudt, Matthew B. Ross, and Bruce A. Weinberg. 2019. “Publish or Perish: Selective Attrition as an Unifying Explanation for Lifecycle Patterns in Innovation.” Forthcoming at the *Journal of Human Resources*.
- Xuan “Gabi” Jiang, Wan-Ying Chang, Bruce A. Weinberg. 2021. “Man Versus Machine? Self-Reports Versus Algorithmic Measurement of Publications.” *PLoS One* (September 29) <https://doi.org/10.1371/journal.pone.0257309>
- Bruce A. Weinberg and David W. Galenson. 2020. “Creative Careers: Age and Creativity among Nobel Laureate Economists” *De Economist* 167, 221–239. <https://doi.org/10.1007/s10645-019-09339-9>
- Eric D. Gould, Avi Simhon, and Bruce A. Weinberg. 2020. “Does Parental Quality Matter? Evidence on the Transmission of Human Capital Using Variation in Parental Influence from Death, Divorce, and Family Size.” *Journal of Labor Economics* 38 (No. 2, April): 569–610. <https://doi.org/10.1086/705904>
- Akina Ikudo, Julia Lane, Joe Staudt, and Bruce A. Weinberg. 2020. “Occupational classifications: A machine learning approach.” *Journal of Economic and Social Measurement* 44 (Issue 2-3): 57-87. DOI: 10.3233/JEM-190463.
- Wan-Ying Chang, Wei Cheng, Julia Lane, and Bruce Weinberg. 2019. “Federal Funding of Doctoral Recipients: Results from new Linked Survey and Transaction Data.” *Research Policy* 46 (No. 6, July): 1487-1492. <https://doi.org/10.1016/j.respol.2019.03.001>
- Joseph Staudt, Huifeng Yu, Robert P. Light, Katy Borner, Gerald Marschke, and Bruce A. Weinberg. 2018. “High-impact and transformative science (HITS) metrics: definition, exemplification, and comparison.” *PLoS One* 13(7, July 19): e0200597 <https://doi.org/10.1371/journal.pone.0200597>.
- Nathan Goldschlag, Nikolas Zolas, Julia I. Lane, and Bruce A. Weinberg. 2019. “Research Funding and Regional Economies” *Journal of Regional Science* 59 (No. 1): m n163-182. <https://doi.org/10.1111/jors.12397>.
- Gerald Marschke, Allison Nunez, Bruce A. Weinberg, and Huifeng Yu. 2018. “Last Place? The Intersection of Ethnicity, Gender, and Race in Biomedical Authorship” *American Economic Review Papers and Proceedings* 108 (No. 5, May): 222-27. <https://doi.org/10.1257/pandp.20181111>
- David M. Blau and Bruce A. Weinberg. 2017. “Why the United States Science and Engineering Workforce Is Aging Rapidly.” *Proceedings of the National Academy of the Sciences* 117 (No. 15): 3879-3884. [doi:10.1073/pnas.1611748114](https://doi.org/10.1073/pnas.1611748114).
- Catherine Buffington, Benjamin Cerf, Christina Jones, and Bruce A. Weinberg. 2016. “STEM Training and Early Career Outcomes of Female and Male Graduate Students: Evidence from UMETRICS Data linked to the 2010 Census.” *American Economic Review Papers and Proceedings* 106 (No. 5, May): 333-38. <http://dx.doi.org/10.1257/aer.p20161124>

- Nikolas Zolas, Nathan Goldschlag, Ron Jarmin, Paula Stephan, Jason Owen Smith, Rebecca Rosen, Barbara McFadden Allen, Bruce Weinberg (Corresponding Author) and Julia Lane. 2015. “Wrapping it up in a person: Examining employment and earnings outcomes for PhD recipients.” *Science* 350 (December 11, No. 6266): 1367-1371. <http://www.sciencemag.org/content/350/6266/1367>
- Julia Lane, Jason Owen-Smith, Rebecca Rosen, and Bruce A. Weinberg. 2015 “New linked data on science investments, the scientific workforce and the economic and scientific results of science” *Research Policy* 44 (Issue 4, November): 1659-71. <http://www.sciencedirect.com/science/article/pii/S0048733315000025>
- Xu Lin and Bruce A. Weinberg. 2014. “Unrequited Friendship? How Reciprocity Mediates Adolescent Peer Effects.” *Regional Science and Urban Economics* 48 (September): 144-53. <http://www.sciencedirect.com/science/article/pii/S0166046214000568>.
- Bruce A. Weinberg (Lead Author) Jason Owen-Smith, Rebecca Rosen, Lou Schwarz, Barbara McFadden Allen, Roy Weiss, Julia Lane. 2014 “Science Funding and Short-Term Economic Activity.” *Science* 304 (April 4): 41-43. [DOI:10.1126/science.1250055](https://doi.org/10.1126/science.1250055).
- Borghans, Lex, Bas ter Weel, and Bruce A. Weinberg. 2014. “People Skills and the Labor Market Outcomes of Underrepresented Groups.” *Industrial and Labor Relations Review* 67 (No. 2, April): 287-334.
- Bruce A. Weinberg. 2013. “Group Design with Endogenous Associations.” *Regional Science and Urban Economics* 43 (No. 2, March): 411-21.
- “Opting For Families: Recent Trends in the Fertility of Highly-Skilled Women.” with Qingyan Shang. *Journal of Population Economics* 26 (No. 1, January 2013): 5-32. Lead Article.
- “Standards and Infrastructure for Innovation Data Exchange.” Senior Author, with Laurel L. Haak, David Baker, Donna K. Ginther, Gregg J. Gordon, Matthew A. Probus, and Nirmala Kannankutty. *Science* 338 (October 12, 2012): 196-97.
- “Age Dynamics in Scientific Creativity.” with Ben Jones. *Proceedings of the National Academy of the Sciences* 108 (November 22, 2011): 18,910-14. doi: 10.1073/pnas.1102895108.
- “Developing Science: Brain Drains and Scientific Performance in the Developing World.” *Journal of Development Economics* 95 (Issue 1, May 2011): 95-104.
- “An Assessment of British Science Over the 20<sup>th</sup> Century.” *Economic Journal* 119 (June 2009, No. 583): F252-269.
- “Evaluating Teaching in Higher Education.” with Belton M. Fleisher and Masanori Hashimoto. *Journal of Economic Education* 40 (No. 3, 2009): 227-261.
- “A Model of Overconfidence.” *Pacific Economic Review* 14 (Issue 4, October 2009): 502-15.
- "Interpersonal Styles and Labor Market Outcomes," with Lex Borghans and Bas ter Weel. *Journal of Human Resources* 43 (No. 4, Fall 2008): 815-858.
- “Do Neighborhoods Affect Hours Worked? Evidence from Longitudinal Data,” with Patricia B. Reagan and Jeffrey J. Yankow. *Journal of Labor Economics* 24 (no. 4, 2004): 891-924.
- “Testing the Spatial Mismatch Hypothesis Using Inter-City Variations in Industrial Composition,” *Regional Science and Urban Economics* 34 (no. 5, September 2004): 505-532.

- “The Impact of Neighborhood Homeownership Rates: A Review of the Theoretical and Empirical Literature,” with Donald R. Haurin and Robert D. Deitz. *Journal of Housing Research*, 13 (no. 2, December 2002): 119-151.
- “Foreign GTAs can be Effective Teachers of Economics,” with Belton M. Fleisher and Masanori Hashimoto. *Journal of Economic Education* 33 (no. 4, Fall 2002): 299-326.
- “Crime Rates and Local Labor Market Opportunities in the United States: 1979-1997,” with Eric D. Gould and David B. Mustard. *Review of Economics and Statistics* 84 (no. 1, February 2002): 45-61. Reprinted in:
  - *Ekonomiczne Podejście Do Przestępczości*. Mark a. Cohen and Jacek Czabański, Eds. Warsaw, Poland: Ius et Lex. 2007.
  - *The Economics of Crime*. Isaac Ehrlich and Zhiqiang Liu, Eds. Cheltenham, UK and Northampton, MA: Edward Elgar. 2005.
- “Precautionary Demand for Education, Inequality, and Technological Progress,” with Eric D. Gould and Omer Moav. *Journal of Economic Growth* 6 (no. 4, December 2001): 284-315.
- “Creating Modern Art: The Changing Careers of Painters in France from Impressionism to Cubism,” with David W. Galenson. *American Economic Review* 91 (no. 4, September 2001): 1063-1071.
- “An Incentive Model of the Effect of Parental Income on Children,” *Journal of Political Economy* 109 (No. 2, April 2001): 266-280.
- “Long-Term Wage Fluctuations with Industry-Specific Skills,” *Journal of Labor Economics* 19 (No. 1, January 2001): 231-264.
- “Age and the Quality of Work: The Case of Modern American Painters,” with David W. Galenson. *Journal of Political Economy* 108 (No. 4, August 2000): 761-777.
- “Black Residential Centralization and the Spatial Mismatch Hypothesis,” *Journal of Urban Economics* 48 (No. 1, July 2000): 110-134.
- “Computer Use and the Demand for Female Workers,” *Industrial and Labor Relations Review* 53 (No. 2, January 2000): 290-308.

#### **Other Publications:**

- Bostwick, Valerie K. and Bruce A. Weinberg. “Gender Peer Effects in Graduate Programs” in *Women in Economics – VoxEU*. CEPR. <https://cepr.org/content/women-economics-voxeu>. Forthcoming. 2020.
- Kunho Kim, Athar Sefid, Bruce A. Weinberg, C. Lee Giles. 2018. “A Web Service for Author Name Disambiguation in Scholarly Databases,” in Proceedings of IEEE International Conference on Web Services (ICWS’18), pp.265-273. DOI: 10.1109/ICWS.2018.00041.
- Julia Lane, Jason Owen-Smith, Joseph Staudt, and Bruce Weinberg. “New Measurement of Innovation” in *Center for Economic Studies and Research Data Centers Research Report: 2017*. U.S. Government Printing Office. Washington, DC. 2017, 13-20.
- “Life-Cycles, Creative” Forthcoming in the *Encyclopedia of Adulthood and Aging*, Susan Krauss Whitbourne, Editor. Hoboken, NJ: Wiley-Blackwell. 2016.
- Barbara McFadden Allen, Julia I. Lane, Rebecca Rosen, Jason Owen Smith, and Bruce A. Weinberg. “UMETRICS as a Tool for Quantifying the Value of Research

and Assessing Underrepresentation” *Association of Women in Science (AWIS) Journal* 47 (Issue 2, Summer 2015): 36-39.

- Comment on Paula Stephan. *The Changing Frontier*. NBER / University of Chicago Press. 2015.
- “Age and Scientific Genius” In *Handbook of Genius*, Dean Keith Simonton, Editor. With Benjamin F. Jones and E. J. Reedy. 2014. Hoboken, NJ: Wiley-Blackwell. 422-450.
- “Group Effects and Economic Outcomes.” Federal Reserve Bank of Cleveland, Community Development, CR Report. 2011.
- Comment on “What Explains the Quantity and Quality of Local Inventive Activity,” by Gerald Carlino and Robert Hunt. *Brookings-Wharton Papers on Urban Affairs*, 2009. Forthcoming.
- Comment on “Neighborhoods, Economic Self-Sufficiency, and the MTO,” by John Quigley and Steven Raphael. *Brookings-Wharton Papers on Urban Affairs*, 2008.
- “Labour Economics.” with Christopher Taber. In *The New Palgrave Dictionary of Economics*. Lawrence Blume and Steven N. Durlauf, Eds. London: Palgrave MacMillan. 2008.
- “Minimum Wages.” Update of Piece by Donald Parsons. In *The New Palgrave Dictionary of Economics*. Lawrence Blume and Steven N. Durlauf, Eds. London: Palgrave MacMillan. 2008.
- “The Impact of Neighborhood Homeownership Rates on Child Outcomes” with Donald R. Haurin and Patricia B. Reagan. Submitted to the Department of Housing and Urban Development. 2001.
- “A Review of Neighborhood Effects: Models, Methodology, and Empirical Results.” with Robert D. Deitz and Donald R. Haurin. Submitted to the Department of Housing and Urban Development. 2001.
- “Skill Obsolescence and Wage Inequality Within Education Groups.” with Eric D. Gould and Omer Moav. In *Research in Labor Economics, Vol 21. The Economics of Skills Obsolescence*. Andries De Grip, Jasper Van Loo and Ken Mayhew, Eds. Amsterdam: JAI Press. 2002.
- “New Technologies, Skills Obsolescence, and Skill Complementarity.” In *Research in Labor Economics, Vol 21. The Economics of Skills Obsolescence*. Andries De Grip, Jasper Van Loo and Ken Mayhew, Eds. Amsterdam: JAI Press. 2002.
- “Incentives, Efficiency, and Government Provision of Public Services” with Sherwin Rosen, in *Annual World Bank Conference on Development Economics 1997* Boris Pleskovic and Joseph E. Stiglitz, editors. The World Bank.

### **Working Papers:**

- Matthew B. Ross; Britta Glennon; Raviv Murciano-Goroff; Enrico Berkes; Bruce A. Weinberg; and Julia I. Lane. “Rosalind Franklin at Scale: Credit and Women in Science.” Revise and Resubmit at *Nature*.
- Wei Cheng, Patrick Carlin, Joanna Carroll, Sumedha Gupta, Felipe Lozano Rojas, Laura Montenovio, Thuy D. Nguyen, Ian M. Schmutte, Olga Scrivner, Kosali I. Simon, Coady Wing, and Bruce A. Weinberg. 2020. “Back to Business and (Re)employing Workers? Labor Market Activity During State COVID-19



Reopenings.” NBER Working Paper No. 27419. Revise and Resubmit at *Industrial and Labor Relations Review*.

- Sumedha Gupta, Laura Montenovoy, Thuy D. Nguyen, Felipe Lozano Rojas, Ian M. Schmutte, Kosali I. Simon, Bruce A. Weinberg, and Coady Wing. 2020. “Effects of Social Distancing Policy on Labor Market Outcomes.” NBER Working Paper No. 27280. Revise and Resubmit at *Contemporary Economic Policy*. (DOI): 10.3386/w27280.
- Cheng, Wei and Bruce A. Weinberg. 2021. “Marginalized and Overlooked: Minoritized Groups and the Adoption of New Scientific Ideas.” NBER Working Paper No. 29179.
- Miguel Garza Casado, Britta Glennon, Julia Lane, David McQuown, Daniel Rich & Bruce A. Weinberg. 2020. “The Aggregate Effects of Fiscal Stimulus: Evidence from the COVID-19 Unemployment Supplement.” NBER Working Paper 27576. <https://www.nber.org/papers/w27576>.
- Reza Sattari, Jung Bae, Enrico Berkes, and Bruce A. Weinberg. Estimating the Marginal Product of Research Funding: The Case of the National Institute of Health.” 2018. Working Paper.
- John Ham and Bruce A. Weinberg. “Geography and Innovation: Evidence from Nobel Laureates.” Under Review.
- Matthew B. Ross, Jung Bae, Huifeng Yu, Joseph Staudt, Gerald Marschke, and Bruce A. Weinberg. “Innovation and Resources over the Career: The Case of Biomedicine” Under Review.
- Xuan “Gabi” Jiang, Joseph Staudt, and Bruce A. Weinberg. “Publish and Train or Perish: Valuing the Early Career Outcomes of STEM PhD Recipients.” In Progress.
- Huifeng Yu, Allison Nunez, Gerald Marschke, and Bruce A. Weinberg. “Trends in the Participation of Underrepresented Groups: Evidence from Biomedicine.”
- Jung Bae and Bruce A. Weinberg. “Toward a Framework for Estimating the Structure of a Sustainable NIH-Funded Workforce.”
- Kevin M. Kniffin, Andrew S. Hanks, Xuechao Qian, Bo Wang, Bruce A. Weinberg. 2020. “Dissertators with Distantly Related Foci Face Divergent Near-Term Outcomes.” NBER Working Paper No. 27825. Under Review. (DOI): 10.3386/w27825
- Felipe Lozano Rojas, Xuan Jiang, Laura Montenovoy, Kosali I. Simon, Bruce A. Weinberg, and Coady Wing. 2020. “Is the Cure Worse than the Problem Itself? Immediate Labor Market Effects of COVID-19 Case Rates and School Closures in the U.S.” NBER Working Paper No. 27127. Under Review. (DOI): 10.3386/w27127
- Ross, Matthew B., Ekaterina Levitskaya, Bruce A. Weinberg, and Enrico Berkes, “A Network Approach to Bibliometric Record Linkage with Semantic Validation.” 2021.

### **Older Papers**

- Subhra B. Saha, Joseph Staudt, and Bruce A. Weinberg. “A Framework for Estimating the Economic Spillovers from Science.”
- Wan-Ying Chang, Ahmad Emad, Julia Lane, Josh Tokle, and Bruce A. Weinberg “Linking in a Big Data World”
- Xu Lin and Bruce A. Weinberg. “Popular Peers’ Effects.”
- “Social Interactions with Endogenous Association.”

- “Scientific Leadership.”
- “Knowledge Spillovers in Industrial Cities.” with Laura Crispin and Subhra Saha.
- “Experience and Technology Adoption.”
- “The Long and Short of it: Maternity Leave Coverage and Women’s Labor Market Outcomes,” with Masanori Hashimoto, Rick Percy, and Teresa Schoellner.
- “Vintage and Scientific Revolutions.”
- “A Simple, Unified Model of Charitable Fundraising (And Related Activities).”

### **Seminars:**

Academia Sinica; Akron; Alabama; Australian National; Boston College; Brown (Economics [2] and PSTC); California at San Diego, California at Santa Barbara; Census Bureau; Chicago (Department of Economics [3] and Graduate School of Business); Chinese University of Hong Kong; City University of New York; Cleveland State; Connecticut; Copenhagen (DRUID); Cyprus; CERGE – EI; CIREQ; Clemson; Dartmouth; Diego Portales; Duke [2]; Emory; Faster Cures; Federal Reserve Banks of Cleveland [5], New York [2] and Philadelphia; Georgia; Georgia State; Georgia Tech; George Washington; Google; Harvard; Hebrew [N]; Indiana (Economics [2], and Information and Library Science [2]); Iowa State; IZA [N]; Kentucky; Koc; London School of Economics [2]; Maastricht [N]; Maryland; MIT; Melbourne [2]; Miami, Michigan; Monash [2]; Michigan State; New South Wales; New York; Paris School of Economics; Singapore Management; Singapore National; Southern California [2]; SUNY – Albany; SUNY – Buffalo [2]; National University of Singapore; Northwestern [2]; Notre Dame [2]; Oberlin; Ohio State (Departments of AED Economics [N]; Economics; Law; Geography, Medical Center; Mershon Center; Outreach; Physics [3]; Public Affairs [2]; and Sociology); Oklahoma State; Princeton; Purdue; Rochester [2]; Rutgers; Singapore Management; Stanford (Hoover Institution and Department of Economics); Texas, Austin; Texas A&M; Tufts; Vanderbilt [2]; Virginia Tech; Warwick; U Washington; Washington U; Wisconsin, Madison [2]; W. E. Upjohn Institute; Yale.

### **Graduate and Postdoc Mentoring (Role and Initial Placement):**

- Aiday Sikhova (Postdoc Mentor). Expected 2024.
- Enrico Berkes Jiang (Postdoc Mentor). Expected 2023.
- Hanbat Jeong (Postdoc Mentor). Expected 2023.
- Yanli Lin (Co-Chair). Expected 2023.
- Kyoung Hoon Lee (Chair). Expected 2023.
- Xuan “Gabi” Jiang (Postdoc Mentor). Expected 2022.
- Xuechao Qian (Chair). Expected Spring 2022.
- Rebecca McKibbin (Visiting Researcher). 2021. Visiting from the University of Sydney.
- MinSub Kim (Chair). Spring 2021. Korean Development Institute.
- Jung Dae Bae (Chair). Spring 2020. KPMG.
- Valerie Bostwick (Postdoc Mentor). 2020. Kansas State University.
- Matt Ross (Postdoc Mentor). 2020. Claremont Graduate University.
- Wei Yang Tham (Chair). Spring 2019. Postdoc at Harvard Business School.

- Reza Sattari (Postdoc Mentor). 2019. Canadian Mortgage Housing Corporation.
- Rodrigo Perez-Silva (Member). Fall 2018. Universidad Mayor, Chile.
- Shengjun Jiang (Member). Fall 2018. Assistant Professor, Wuhan University.
- Joseph Rossetti (Member). Spring 2018. Matrix Economics.
- Hyewon Kim (Member). Spring 2018. Gartner Inc.
- Shin-Yi Wu (Member). Spring 2018.
- Apoorva Rama (Member). Spring 2018. American Medical Association
- Wei Cheng (Co-Chair). Spring 2017. Assistant Professor. East China University of Science and Technology.
- Junqiushi Ren (Member). Spring 2017. Assistant Professor. Southwestern University of Finance and Economics.
- Lin Lin (Member). Expected Spring 2020.
- Rob Munk (Member). Spring 2016. Economist. U.S. Census Bureau.
- Joe Staudt (Chair). Spring 2016. Economist. U.S. Census Bureau.
- Nancy Haskell (Chair). Assistant Professor. University of Dayton. Spring 2014.
- Xiaoyi Han. Assistant Professor. Xiamen University. Spring 2014.
- Yang Chen. IMPAQ International. Spring 2014.
- Joe Staudt (Chair) Expected Spring 2015.
- Chih-Sheng Hsieh. 2013. Assistant Professor. Chinese University of Hong Kong.
- Seonghoon Kim. 2013. Assistant Professor. Singapore Management University.
- Dimitrios Nikolaou. 2013. Assistant Professor. Illinois State University.
- Amanda Weinstein (Ph. D. in Agricultural, Environmental, and Development Economics) University of Akron. 2013
- Brent Richards (Ph. D. in Agricultural, Environmental, and Development Economics) 2013
- Manisha Goel (Chair). 2012. University of North Carolina, Public Policy.
- Brandon Restrepo. 2012. Fellow. European University Institute.
- Muriel Zhang. 2012. University of Akron.
- Laura Crispin. 2012. Assistant Professor. St. Joseph's University.
- Mithuna Srinivasan (Chair). 2011. Christensen Associates.
- Andreas Schick. 2011. FDA.
- Sudipto Banerjee. 2011. Employee Benefit Research Institute.
- Yuanjie Zhang. 2011. Freddie Mac.
- Kathleen Deloughery (Chair). 2009. Assistant Professor, Rockefeller School of Public Affairs, SUNY – Albany.
- Andrew McGee. 2010. Simon Fraser
- Lexian Liu. 2009. Researcher. Freddie Mac.
- Subhra Saha (Chair). 2008. Assistant Professor, Cleveland State University.
- Taehyun Ahn. 2008. Korean Labor Institute.
- Serkan Ozbeklik (Co-Chair). 2007. Assistant Professor, Claremont-McKenna College.
- Ranjan Shrestha. 2007. Assistant Professor, University of Montana.
- Jeffrey Rosen. 2007. Economist. Aegon USA.
- Qingyan Shang (Chair). 2006. Assistant Professor, SUNY – Buffalo.

- Xu Lin. 2006 – Assistant Professor, Tsinghua University. Now Virginia Tech (tenured)
- Bill Kosteas (Chair). 2005. Assistant Professor, Cleveland State University.
- Peihong Feng. 2004. J. P. Morgan / Chase.
- Abdul Munasib. 2004. Assistant Professor, Oklahoma State University; Now Bureau of Economic Analysis.
- Robert Deitz. 2003. Initially: Joint Committee on Taxation; Now: National Association of Home Builders.
- Shoumi Mustafa. 2003. Research Consultant. Noel-Levitz.
- Robert Baumann. 2003. Assistant Professor, Holy Cross College (now tenured).
- Qing Liu (Co-Chair) 2002. Research Associate, CHRR, Ohio State University.
- Steve Heubeck. 2002. Lecturer, Ohio State University.
- Kiyoshi Matsubara. 2000. Post Doctoral Fellowship, University of Kyoto.
- Traci Mach. 2000. Initially: Assistant Professor, State University of New York, Albany; Now: Federal Reserve Bank, Board of Governors.
- Jeffrey J. Yankow. 1999. Assistant Professor, Furman University (now tenured).

#### **Undergraduate Honors / Senior Theses / Advising**

- Jaylon Grimes, Expected Spring 2021. (Chair)
- Sarah Siddiqui, Expected Spring 2021. (Chair). Summer Internship, Federal Reserve Bank of St. Louis.
- Brandon Wong, Expected Spring 2021. (Chair)
- Will Beyer, Spring 2019.
- Annette Gailiott, Spring 2018. Federal Reserve Bank of Philadelphia.
- Bethany Cady. Spring 2018. (Member)
- Dinushi Kulasakere. Northwestern University Medical School.
- Eric Spurlino. Spring 2017 (Member). PhD Program, NYU.
- John Conlon. 2015. Federal Reserve Bank of New York. Now PhD Program at Harvard Business School.
- Nima Dahir. 2015. Federal Reserve Bank of New York. Now PhD Program at Stanford, Sociology. Beinecke Fellowship.
- Annie Kayser. 2015. (Chair)
- Akina Ikudo. 2015. (Member). PhD program at UCLA.
- Cameron Conrad, 2016. (Chair). Teach for America, Predoc U Michigan, Now PhD Program U Maryland.
- Jackson Frazier. Federal Reserve Bank of Cleveland.
- Luke Fesko. 2016. (Member). PhD Program Duke.
- Joseph Staudt. 2010. (Chair). PhD Program Ohio State (Now Census Bureau).
- Kent Cherney. Federal Reserve Bank of Cleveland.
- Dena Lomonosov, PhD Program University of Michigan.
- Ross Askanazi PhD Program at University of Pennsylvania (Now Cornerstone). NSF Graduate Research Fellowship.
- Ravi Mohan. Harvard Law School.
- Jake McKim. Google!
- Tom LaPille. Wizards of the Coast, Game Designer.

- Ama Egyaba Baidu Forson. Boston University. Now IHS Markit.
- Elizabeth LaJeunesse, St. Louis Fed. Now Joint Center for Housing Studies at Harvard University.
- Damian P. Hruszkewycz. PhD Program in Chemistry at Yale University (Now GlaxoSmithKline).
- Lisa Dettling, PhD Program at the University of Maryland (now Federal Reserve Bank, Board of Governors).
- Jose Muestre, PhD Program at the University of Rochester (now Federal Reserve Bank of Kansas City).
- Florence Neymotin, PhD Program at Berkeley (to Assistant Professor at Kansas State University, to Associate Professor at Nova Southeastern University). Fulbright recipient.

### **Conference Presentations:**

- American Economic Association, 1998, 2001, 2002, 2004-2011, 2016, 2017, 2018, 2020.
- Society of Labor Economists, 2000, 2001, 2004-2008, 2012-2012, 2016, 2020.
- UMETRICS User Meeting. Keynote. 2017, 2018, 2019.
- Association of Public Policy Analysis and Management (APPAM), 2005, 2016, 2018.
- Midwest Economics Association Meetings, 1997, 1999, 2000, 2008, 2009, 2013, 2014.
- National Expert Finder Systems Forum 2020. (Keynote)
- 3rd IDSC of IZA/University of Luxembourg Workshop: Matching Workers and Jobs Online - New Developments and Opportunities for Social Science and Practice. 2020. (Keynote).
- ProQuest Data Provider Meeting. 2020.
- Census Research Data Center User's Conference. Fall 2019. (Keynote)
- Peking University-University of Chicago. Innovation Conference. 2019.
- National Center for Advancing Translational Science. Clinical and Translational Science Award Annual Meeting, 2019.
- National Bureau of Economic Research / Institute for Fiscal Studies, Boston. 2018.
- National Bureau of Economic Research / Institute for Fiscal Studies, London. 2017.
- Overview of UMETRICS. Data-Driven Communication. Fudan University, Shanghai. Keynote. 2017.
- Broom Center. UC Santa Barbara. 2017.
- National Academies. STEM Graduate Education. 2017.
- NIH Health Economics Research Meeting. 2017.
- NIH-NSF Workshop on the Value of Data Sharing. 2017. Keynote.
- UMETRICS Overview. National Institute on Science and Technology Policy, Tokyo. 2017. Keynote.
- NIH and the Science of Science and Innovation Policy Meeting. April 7-8, 2016.
- Science of Science Meeting organized by James Evans and Dashun Wang, March 22-23, 2016.
- NIH Meeting on Science of Science. March 24-25, 2016.
- NBER-IFS Valuing Health Innovation Meeting. December 2015.
- NBER Summer Institute. Urban Studies. 2015.

- Physiology and Pharmacology Graduate Program Directors at University of Cincinnati. July 2015.
- Federal Reserve Bank of Cleveland. Federal Reserve System Summit. June 2015.
- National Research Council / National Academies. Economic Impacts of Research. Fall 2014.
- Council of Graduate Schools. 2014. Graduate Tracking Meeting.
- NBER China Meeting. 2014.
- Assessing the Research Outputs and Policy Importance of the National Science Foundation's Science of Science and Innovation Policy (SciSIP) Program. AAAS. 2014.
- AREA Meeting. 2014.
- STAR METRICS International Conference, Paris, 2013.
- NSF, Education and Human Resources PIs Meeting. 2013.
- NIH, STAR METRICS Strategic Planning Meeting. 2013.
- NIH, NIGMS, Scientific Workforce Modeling Meeting, 2013.
- VIVO Users Conference, 2013. (Keynote Address)
- AAU / APLU Economic Impacts Meeting, 2013.
- CASRAI Occupy Impact Conference, Fall 2012.
- IZA Leadership Conference, August 2012.
- Gordon Research Conference, August 2012.
- Atlanta Innovation Conference. Georgia Tech. Fall 2011.
- National Academies. Research Impact Workshop. April 2011.
- Committee on Institutional Cooperation (CIC), Center for Advanced Study in International Competitiveness (CASIC) Conference, "Scientific Competitiveness." April 2011.
- Science of Science Measurement. Federal Interagency Meeting organized by the Office of Science and Technology Policy, NSF, NIH, and the Department of Energy. December 2010.
- ZEW, Mannheim. Flexibility in Heterogeneous Labor Markets 2010. (Keynote Address).
- Federal Reserve Bank of Cleveland-University of Kentucky Center for Poverty Research. Appalachian Poverty Conference, 2009.
- Hebrew University. Rural Cooperation in the 21<sup>st</sup> Century. 2009. (Keynote Address).
- Hebrew and Bar Ilan Universities. Globalization and the Brain Drain. 2008.
- National Taiwan University. Microeconomics and Econometrics Conference, 2008.
- NBER Higher Education Program Meetings, 2008.
- Federal Reserve Bank of Cleveland. Social Interactions and Social Capital. 2008.
- University of South Australia, Managing Selection Conference, 2008.
- Universitat Autònoma de Barcelona, Conference in Memory of Toni Calvo-Armengol, 2008.
- IZA, Research in Economics: Rewards, Evaluation and Funding. 2008.
- NBER Summer Institute, Development of the American Economy, 2008.
- ZEW, Mannheim. Gender in the Labor Market. 2007.
- Korea University, Microeconomics and Econometrics, 2007.
- National Institutes of Health, Competitiveness Pre-Conference, 2007.
- NBER Higher Education, Program Meeting, 2007.

- Regional Science Association International, North American Conference, 2007.
- NBER Summer Institute, Labor Studies, 1998 (2 papers), 2005.
- NBER Summer Institute, Income Distribution and Macroeconomics, 2000, 2002.
- Econometrics in Tel Aviv, 1997, 2001.
- Universities, Innovation, and Economic Growth, Cleveland Federal Reserve Bank, 2006 (Co-organizer).
- NBER, Labor Studies and Productivity Joint Program Meeting. 2006.
- NBER, New Ideas about New Ideas. 2006 (Co-organizer).
- Latin American and Caribbean Economic Association (LACEA), 2005.
- IZA/SOLE Transatlantic Meetings, 2005.
- Understanding Skills Obsolescence, Maastricht, Netherlands, 2001.
- American Real Estate and Urban Economics Association, 2001.
- MacArthur Foundation Network on Social Interactions and Inequality, 2001.
- American Real Estate and Urban Economics Association, 2000.
- Minerva Center for Macroeconomics and Growth, Hebrew University, Jerusalem, 1999.
- Society of Labor Economists, Internet Conference, 1999.
- Instituto de Economica Aplicada, Tucuman, Argentina, 1998. (Keynote Address)
- World Bank, Annual Bank Conference on Development Economics, 1997.

Discussant / Chair: NBER 2012; Brookings-Wharton 2007, NBER, 2002, Santa Fe Institute, 2001; SOLE, 1997, 1999, 2000; 2004, 2005, 2006, 2007; AEA, 2000, 2004; 2005, 2006, 2007, 2008, 2010, 2011; JCPR, 1999; ARUEA 1999; Econometrics in Tel Aviv, 1997, 2001.

### **Public and Policy Activity**

- Crime research subject of presidential briefing and abstracted in *Economic Report of the President, 1999*.
- Advice given to the State of Ohio, the City of Oakland, California, National Institutes of Health and science policy meetings hosted by AAAS and NAS.
- Media coverage in or on *ABC Radio News, Atlantic Monthly, Bloomberg, Business Week, CBS 10 (Columbus), Chicago Tribune, Chronicle of Higher Education, Cincinnati Enquirer, Cleveland Plain Dealer, CNN, Chemical and Engineering News, Columbus Dispatch, Dayton Daily News, Diversity in Action, Economist, ECN Magazine, Financial Times, The Frisky, Genome Web, Inside Higher Ed, International Herald Tribune, KCSN (Northridge, CA), KIRO Radio (Seattle), MSN/Slate, Minneapolis Star Tribune, NBC 4 (Columbus), Nature, New Republic, New York Times (Daily and Magazine), Ohio Public Television and Radio, NPR (News and Marketplace), Pacific Standard, Philadelphia Inquirer, Science, Scientific American, The Scientist, The Street, U.S. News and World Report, Vox, Wall Street Journal, Washington Post.*

International Coverage in: Australia, Austria (*Die Presse, Der Standard*), Brazil (TVBrasil), Canada (*CBC, CTV, Globe and Mail, Le Journal*), Germany, Hungary (*Metropol*), India (*The Telegraph*), The Netherlands (EM.Online, *Scientias*), Spain

(*El Mundo*), Russia (*Newsweek*), UK (*BBC*, *British Psychological Society*, *London Daily Mail*; *Times Higher Education*).

**Referee Work:**

**Funding Agencies:** British Academy; Israel Science Foundation; Alfred Sloan Foundation; John Templeton Foundation; Maurice Falk Institute; National Science Foundation; Netherlands Organization for Scientific Research, Social Sciences; Social Sciences and Humanities Research Council of Canada. **Other:** University of Chicago Press, Book Division. National Academies.

**Journals:** *American Economic Journal: Applied Economics*; *American Economic Review*; *American Journal of Political Science*; *Canadian Journal of Economics*; *China Economic Review*; *Journal of Cultural Economics*; *Demography*; *Economic Development and Cultural Change*; *Economic Inquiry*; *Economic Journal*; *Economica*; *European Economic Review*; *Industrial and Labor Relations Review*; *Industrial Relations*; *International Economic Review*; *Japanese Economic Review*; *Journal of Applied Economics*; *Journal of Applied Econometrics*; *Journal of the American Statistical Association*; *Journal of Cultural Economics*; *Journal of Development Economics*; *Journal of Economic Behavior and Organization*; *Journal of Economic Dynamics and Control*; *Journal of Economic Geography*; *Journal of Economic Growth*; *Journal of Economics and Business*; *Journal of Human Capital*; *Journal of Human Resources*; *Journal of Labor Economics*; *Journal of Law and Economics*; *Journal of Monetary Economics*; *Journal of Policy Analysis and Management*; *Journal of Political Economy*; *Journal of Population Economics*; *Journal of Regional Science*; *Journal of Urban Economics*; *Labour Economics*; *Proceedings of the National Academy of the Sciences* (Reviewer and Guest Editor); *Management Science*; *Oxford Economic Papers*; *Oxford Bulletin of Business and Economics Statistics*; *Research in Labor Economics*; *Research Policy*; *Quarterly Journal of Economics*; *Review of Economic Studies*; *Review of Economics and Statistics*; *Science*; *Social Forces*; *Social Service Review*; *Southern Economic Journal*; *Weltwirtschaftliches Archiv*.