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PAULA STEPHAN  
CURRICULUM VITAE

Biographical Information

Address: Department of Economics  
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Education

B.A., economics, Grinnell College  
M.A., economics, University of Michigan  
Ph.D., economics, University of Michigan

Professional Experience

Professor of Economics and Senior Associate, Policy Research Center, Georgia State University, 1988-present  
Associate Dean, Andrew Young School of Policy Studies, Georgia State University, 1996-2001  
Professor of Economics, Georgia State University, 1981-1988  
Associate Professor of Economics, Georgia State University, 1976-1981  
Assistant Professor of Economics, Georgia State University, 1971-1976  
Teaching Fellow, University of Michigan, Department of Economics, 1969-70  
Research Assistant to Frank Stafford and George Johnson, University of Michigan, on study dealing with micro determinants of investment in human capital, Summer 1970  
Research Assistant at Institute for Social Research, University of Michigan, Economic Behavior Program, Summer 1969

Assistant in Research to Robert Haveman, Resources for the Future, Washington, D.C., Summer 1967

Visiting Appointments

Visiting Scholar, Max Planck Institute for Innovation and Competition, November 2014.

Visiting faculty, Department of Economics S. Cagnetti de Martiis, University of Turin, Fall 2011, Spring 2012  
Fellow, International Centre for Economic Research, Turin, Italy, Fall 2009, Spring and Fall 2011.  
Visiting Fellow in Innovation Studies group, Politecnico di Torino, Spring 2008.  
Wertheim Fellow, Harvard University, February, March 2007  
Visiting Fellow, Katholieke Universiteit Leuven, Leuven, Belgium, March, April, May 2005  
Visiting Scholar, Wissenschaftszentrum Berlin für Sozialforschung, Berlin, Germany, Spring 1992; Summer 1994.  
Visiting Professor of Economics, Ecole Supérieur de Commerce, Paris, France, Fall 1984

### Honors and Awards

Phi Beta Kappa, Grinnell College, 1967  
Woodrow Wilson Fellowship, 1967-68  
Rackham Prize Fellowship, Spring 1969; Summer, Fall 1970; Winter, 1971, University of Michigan  
Alumni Distinguished Professor Award, Georgia State University, 2003.  
Research Associate, National Bureau of Economic Research, 2007-  
Fellow American Association for the Advancement of Science, 2011  
Selected *ScienceCareers*' first Person of the Year, December 2012.  
28<sup>th</sup> Annual Harry A. Feldman Lecture, American Epidemiological Society, Michigan State University, March 21, 2013.  
President's Distinguished Lecture, Society for Gynecological Investigators, Orlando, Florida, March 22, 2013.  
Nordlander Lecture, Cornell University, November 11, 2013.  
State of the Art Lecture Award, American Society for Clinical Pharmacology and Therapeutics, Atlanta, GA, March 21, 2014.  
EHR Distinguished Lecture, National Science Foundation, April 17, 2014.  
SBE Distinguished Lecture, National Science Foundation, February 11, 2016  
National Associate of the National Research Council; Designated June 2016

### Editorial Assignments

Board of Reviewing Editors: *Science*, 2012-2018  
Board of Editors, *Southern Economic Journal*, 1977-1981.

### Panel and Committee Membership past ten years

Member, European Research Council (ERC) Synergy Panel, 2018  
Member, SUNY Research Council, 2017-2019  
Member, Scientific Advisory Board for the Institute for Research on Innovation & Science (IRIS)  
Member, Committee on Next Generation Researchers, National Academies, 2016-2018.

Council Delegate, Section K, AAAS, 2015-2018  
Member, European Research Council's Expert Group on Key Performance Indicators, 2014-2015  
Member, Committee on High-Skilled Immigration and the Global Competition for Talent, National Academies, 2014-2015  
Member, Committee to Review the State of the Postdoctoral Experience in Scientists and engineers, National Academies, 2011-2013  
Member, Committee on the Future Workforce for Geospatial Intelligence, National Research Council, 2011-2012.  
Member, Committee on Measuring Economic and Other Returns on Federal Investments in Research, National Research Council, November 1, 2010, November 1, 2011.  
Member Board on Higher Education and Workforce, National Research Council, 2009-2014.  
Member, National Research Council Committee on Examination of the U.S. Air Force's Science, Technology, Engineering and Mathematics (STEM) Workforce Needs in the Future and Its Strategy to Meet Those Needs. 2008-2009  
Member, National Advisory General Medical Sciences Council, NIH, January 1, 2006-December 31, 2009 (appointed by U.S. Secretary of Health and Human Services Michael Levitt, November 2005

## Publications

### A. Books (Selected)

*How Economics Shapes Science*, Harvard University Press 2012.

<http://www.hup.harvard.edu/catalog.php?recid=31302&content=reviews>.

The book has been reviewed or featured in *Science*, *Nature*, *Inside Higher Education*, *The Times Higher Education*, *The FASEB Journal*, *the Scholarly Kitchen*, *Rorotoko*, *Genome Biology*, *Science Careers*, *Science and Public Policy*, *the New Physician*, *Chemistry World*, *Issues in Science and Technology*, *Contemporary Sociology*.

Translated and published in Korean by Geulhangari Press in 2013; in Chinese, by Peking University Press, 2017. Released in paper in the US, September 2015.

*Science and the University*; edited (Paula Stephan and Ronald Ehrenberg). University of Wisconsin Press, 2007.

*Striking the Mother Lode in Science: The Importance of Age, Place and Time*, (Paula Stephan and Sharon Levin), Oxford University Press, April 1992.

### B. Selected articles

Paula Stephan, Reinhilde Veugelers, Jian Wang "Reviewers Are Blinkered by Biometrics," *Nature*. 554(7651): 393-394, 2017.

Jian Wang, Reinhilde Veugelers, and Paula Stephan, "Bias against Novelty in Science: A Cautionary Tale for Users of Bibliometric Indicators" Forthcoming, *Research Policy*

Chiara Franzoni, Giuseppe Scellato and Paula Stephan, "Context Factors and the Performance of Mobile Individuals in Research Teams," *Journal of Management Studies*, forthcoming. DOI, 10.1111/joms.12279

"Gender and the Publication Output of Graduate Students: A Case Study (Michelle Pezzoni, Jacques Mairesse, Paula Stephan and Julia Lane), *PLOS ONE*, January 13, 2016 <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0145146>

"Wrapping it up in a person: Examining employment and earnings outcomes for PhD recipients" (Nikolas Zolas, Nathan Goldschlag, Ron Jarmin, Paula Stephan, Jason Owen-Smith, Rebecca Rosen, Barbara McFadden Allen, Bruce Weinberg and Julia Lane), *Science*, vol. 350, issue 6266, pp. 1367-1371, December 11, 2015

"Migrant Scientists and International Networks," (Giuseppe Scellato, Chiara Franzoni and Paula Stephan), *Research Policy*, 44(1): 108-120, 2015.

"Global Competition for Scientific Talent: Evidence from Location Decisions of PhDs and Postdocs in 16 Countries" (Paula Stephan, Chiara Franzoni, and Giuseppe Scellato), *Industrial and Corporate Change*, 2015. doi: 10.1093/icc/dtv037

"Mobile Scientists: Superior Performance of Migrant Scientists" (Chiara Franzoni, Giuseppe Scellato and Paula Stephan), *Economics Letters* 122: 89-93, 2014.

"Foreign Born Scientists: Mobility Patterns for 16 Countries," *Nature Biotechnology*, 30:150-153, 2012. (NBER Working Paper 18067).

"A Multidimensional View of Industrial and Academic Science," (Henry Sauermann and Paula Stephan), *Organization Science*, September, 2012. (NBER Working Paper 16113, 2010).

"Changing Incentives to Publish," (Chiara Franzoni, Giuseppe Scellato and Paula Stephan), *Science*, 33:702-703, 2011.

Conveying Quality and Value in Emerging Industries: Learning and Star Scientists in Biotechnology." (Matthew Higgins, Paula Stephan and Jerry Thursby), *Research Policy*, 40:605-617, 2011.

"Innovation in Academe: The Diffusion of IT Technologies." (Sharon Levin, Paula Stephan and Anne Winkler), *Applied Economics*, 44:1765-1782, 2011.

"The Impact of Information Technology on Scientists' Productivity, Quality and Collaboration Patterns (Waverly Ding, Sharon Levin, Paula Stephan and Anne Winkler). *Management Science*, Vol. 56, pp. 1439-1461, 2010.

“The Diffusion of IT in Higher Education: Publishing Productivity of Academic Life Scientists.” (Anne E. Winkler, Sharon G. Levin and Paula E. Stephan), *Economics of Innovation and New Technology*. Vol. 19, No.5, July 2010, 475-497

“Who’s Patenting in the University?” (Paula Stephan, Shif Gurm, A.J. Sumell and Grant Black), *Economics of Innovation and New Technology*, 61(2), pp. 71-99, 2007.

“Doctoral Education and Economic Development: The Flow of New PhDs to Industry (Paula Stephan, Albert J. Sumell, Grant Black and James Adams.) *Economic Development Quarterly*, 18(2):151-167, 2004.

“Exceptional Contributions to U.S. Science by the Foreign-Born and Foreign-Educated” (Paula Stephan and Sharon Levin). *Population Research and Policy Review*, Vo. 20, Nos. 1-2 (April 2001), pp. 59-79.

“Educational Implications of University-Industry Technology Transfer.” *The Journal of Technology Transfer*, Vol 26, No.3, June 2001, pp 199-205.

“Careers of Young Scientists: Preferences, Prospects and Realities by Gender Field” (Mary Frank Fox and Paula Stephan). *Social Studies of Science*, Vol 31, No. 1, February 2001, pp. 109-122.

“Are the Foreign Born a Source of Strength for U.S. Science” (Sharon Levin and Paula Stephan), *Science*, 285, #5431, August 20, 1999, pp. 1213-1214.

“Knowledge Spillovers in Biotechnology: Sources and Incentives,” (David Audretsch and Paula Stephan), *Journal of Evolutionary Economics*, Vol. 9, No. 1, 1999, pp. 97-107.

“The Economics of Science,” *Journal of Economic Literature*, Vol XXXIV, September 1996, pp. 1199-1235.

"Company-Scientist Locational Links: The Case of Biotechnology" (David Audretsch and Paula Stephan), *American Economic Review*, Vol. 86, No. 3, June 1996, pp. 64-652.

"Research Productivity Over the Life Cycle: Evidence for Academic Scientists," (Sharon Levin and Paula Stephan), *American Economic Review*, Vol. 81, No. 1, pp. 114-132. March 1991.

"Sex Segregation in Education: The Case of Doctorate Recipients," (Sharon Levin and Paula Stephan), *Journal of Behavioral Economics*, Vol. XII, No. 2, Winter 1983, pp. 67-94.