

L'actualité de Bronwyn H. HALL (University of California, Berkeley, USA), qui a fait une présentation au séminaire SciSci-OST le 08 avril 2014...

Bronwyn H. Hall is Professor in the Graduate School at the University of California at Berkeley and a Research Associate of the National Bureau of Economic Research and the Institute for Fiscal Studies, London. She is also the founder and partner of TSP International, an econometric software firm. Professor Hall currently serves as an associate editor of the *Economics of Innovation and New Technology* and *Industrial and Corporate Change* and as advisory editor of *Research Policy*. She is a member of the U.S. Federal Economic Statistics Advisory Committee, and several research advisory boards (Deutsche Bundesbank; Solvay School of Business, Université Libre de Bruxelles; Innovation Research Centre, Imperial College and Cambridge University). Past service includes membership in the Science, Technology, and Economic Policy Board of the U.S. National Academies and the Census Advisory Committee of the American Economic Association. She received a B.A. in physics from Wellesley College in 1966 and a Ph.D. in economics from Stanford University in 1988.

Current Research:

Innovation and patent policy; incentives, tax treatment, and financing for public and private R&D, including international comparisons; valuation of intangible corporate assets, especially knowledge assets; panel data estimation (linear and nonlinear models; count data models; dynamic factor models); patents as indicators of innovative output; firm size and growth; effect of corporate restructuring and mergers on innovation and R&D; innovation in the ICT, software, and green technology sectors.

Current Status: Emeritus

Office: 653 Evans

E-mail: bhhall@econ.berkeley.edu (link sends e-mail)

Research papers and presentations

Below is a complete list of my publications and working papers by topic. Many of these papers and handouts are downloadable in PDF format. You will need [Acrobat reader](#) to view them. Papers that have been published are not downloadable due to copyright restrictions. If you cite these paper in preliminary WP form, please check back to get the correct published citation before publication.

Recent presentations

[Policy for Innovation: Insights from Economic Research](#), presentation to GIZ-Beijing, October 2013, and the Innovation Research Forum, January 2014, Caguas, Puerto Rico.

[The Impact of Foreign Pharmaceutical Patents on Innovation in Chile](#), presentation to the MEIDE conference, November 2013, Santiago, Chile, and WIPO, December 2013, Geneva Switzerland.

[Technology entry in the presence of patent thickets](#), keynote for the TILEC Workshop on Innovation and the Patent System, Tilburg, Netherlands, 20-21 June 2013; presentation to the NBER Summer Institute, July 2013.

[Using patent data as indicators](#), keynote address to the 8th European Meeting on Applied Evolutionary Economics, Sophia Antipolis, France, 10-12 June 2013.

[Innovation, patents, and productivity in firms](#), presentation to Industry Canada, April 2013 (not presented due to weather delays).

[Innovation, IP choice, and firm performance](#), presentation to UC Berkeley Innovation Seminar, 6 March 2013.

[Environmental change, patents, and development](#), presentation to SIMPATIC workshop on climate change, Bruegel Foundation, Brussels, Belgium, 4 December 2012.

[Patents and the transfer of knowledge](#), presentation to the OECD Conference on Knowledge Networks and Markets, Paris, 26-27 November 2012.

[Environmental change, patents, and development](#), presentation to the First IASC Conference on the Knowledge Commons, Louvain-la-Neuve, September 2012.

[The impact of joining the regional European Patent Convention system](#), with Christian Helmers. Presentation to the Stanford IP Law Conference, August 2012, and the European Policy for Intellectual Property Annual Meeting, September 2012.

...

Recent papers

[The choice between formal and informal intellectual property: A review](#), with Christian Helmers, Mark Rogers, and Vania Sena, March 2012, revised May 2013, forthcoming in the *Journal of Economic Literature*. [NBER Working Paper No. 17983](#).

[Patents as Quality Signals? The Implications for Financing Constraints on R&D](#), with Dirk Czarnitzki (KU Leuven) and Hanna Hottenrott (DICE, Heine Universitaet, Dusseldorf), February 2014.

[The use of intellectual property in Chile](#), with Maria Jose Abud, Carsten Fink, and Christian Helmers. [INAPI-WIPO Report, Economic Research Working Paper No. 11, July 2013](#).

[Innovation and Productivity: An Update](#), with Pierre Mohnen, 2013. *Eurasian Economic Review* 3(1): 47-65. [UNU-MERIT Working Paper No. 2013-021](#).

...

Patents and Patent Policy

[Innovation in clean/green technology: Can patent commons help?](#), with Christian Helmers (Oxford University), March 2011 (revised 2012). *Journal of Environmental Economics and Management*, <http://dx.doi.org/doi:10.1016/j.jeem.2012.12.008>

[Technology entry in the presence of patent thickets](#), with Christian Helmers, Georg von Graevenitz, and Chiara Rossaza-Bondibene, March 2013. UC Berkeley, University of Maastricht, NIESR, and NBER; U Carlos III and SERC, LSE; University of East Anglia and NIESR; NIESR.

[The importance \(or not\) of patents to UK firms](#), with Christian Helmers, Mark Rogers, and Vania Sena, February 2012, revised August 2012. *Oxford Economic Papers* 65 (3): 603-629. <http://dx.doi.org/doi:10.1093/oeq/gpt012>

[A study of patent thickets](#), with Georg von Graevenitz, Christian Helmers, and Chiara Rosazza-Bondibene, Final report to the UK Intellectual Property Office, October 2012.

[Does patent protection help or hinder technology transfer](#), forthcoming in S. Ahn (ed.), *Intellectual Property for Economic Development: Issues and Policy Implications*, Edward Elgar, 2013.

[The impact of joining the regional European Patent Convention system](#), with Christian Helmers. January 2012, revised July 2012.

[Recent research on the economics of patents](#), with Dietmar Harhoff (Ludwig-Maximilians Universität München), *Annual Review of Economics* 2012, Vol. 4: 541-565. NBER Working Paper No. 17773.

[Kindle version](#).

[Patents and the financing of innovation](#), presentation to the OECD Workshop on Patents, Paris, France, 10-11 May 2012.

...

Econometrics

[A Note on the Bias in the Herfindahl Based on Count Data](#), September 2000 (revised January 2005), *Revue d'Economie Industrielle*, No. 110, pp. 149-156. An earlier version was published in Jaffe, A. and M. Trajtenberg (eds.), *Patents, Citations, and Innovation*, MIT Press, 2002.

[A Note on Measurement Error and Proxy Variables](#), May 2004.

[Testing for Unit Roots in Panel Data: An Exploration Using Real and Simulated Data](#), with Jacques Mairesse. NBER, UC Berkeley, and INSEE-CREST, in Andrews and Stock (eds.), *Identification and Inference for Econometric Models: A Festschrift in Honor of Thomas Rothenberg*, Cambridge University Press, 2005. [Slides from presentation](#) to the Annual Conference of the German Classification Society, Munich, March 14-16, 2001 and the Conference in Honor of Thomas Rothenberg, UC Berkeley, August 2001.

...

Market Value of Innovation

[The Market Value of Patents and R&D: Evidence from European firms](#), with Grid Thoma, University of Camerino and CESPRI, Bocconi University and Salvatore Torrisi, Bologna University and CESPRI, Bocconi University. October 2006, revised August 2007, NBER Working Paper No. 13426. [VOX EU column](#), December 2007.

[Measuring R&D depreciation for the National Income Accounts](#), slides from a presentation to the BEA, 13 December 2006.

[Does the Market Value R&D Investment by European Firms? Evidence from a Panel of Manufacturing Firms in France, Germany, and Italy](#), with Raffaele Oriani, *International Journal of Industrial Organization*, forthcoming 2006. Revised version of paper presented at the DRUID Conference, Helsingor, June 12-14, 2003. [NBER Working Paper No. 10408](#) (May 2005 version).

[The Market Value of Knowledge Assets in U.S. and European Firms](#), with Dirk Czarnitzki and Raffaele Oriani, April 2005, forthcoming in D. Bosworth and E. Webster (eds.), *The Management Of Intellectual Property*, 2005.

...

The Public-Private Innovation Interface

[IP protection, confidentiality, and openness in science](#), presentation to the International Workshop on Private Sector – Academia Interactions, Sigtuna, Sweden, November 22-25, 2011.

[The use of IP and open innovation in structuring knowledge relationships between firms](#). Slides from presentation to the Knowledge in Organizations Conference, Monte Verita, Ascona, Switzerland, June 2010.

[Open innovation and intellectual property rights](#), short paper written for *Japan Spotlight* (January/February 2010 issue).

...

R&D Investment and Productivity; R&D and Innovation Policy

[Evidence on the impact of R&D and ICT investment on innovation and productivity in Italian firms](#), with Francesca Lotti and Jacques Mairesse (*Economics of Innovation and New Technology*, 2012). [NBER Working Paper No. 18053](#) (November 2011). [Slides](#) from a presentation at Concord 2010, Seville, Spain, and Conference on R&D, Science, Innovation, and Productivity, Paris, France.

[Innovation, productivity, and growth](#), presentation to the KITEs Conference on New Frontiers in the Economics and Management of Innovation, University L. Bocconi, 22-23 March 2012.

[R&D in the crisis](#), presentation to the OECD Workshop on R&D and innovation in the current macroeconomic climate, Paris, France, December 7, 2011.

[Innovation and Productivity](#), paper presented at the Nordic Economic Policy Review conference, Helsinki, April 2011. [NBER Working Paper No. 17178](#) (May 2011). [Slides from presentation](#) in March 2011.

[The Internationalization of R&D](#) (2011), in A. Sydor (ed.), *Global Value Chains: Impacts and Implications*, Ottawa, Canada: Foreign Affairs and International Trade Canada, Government of Canada.

[Measuring the returns to R&D](#), with Jacques Mairesse and Pierre Mohnen, November 2009. Draft of chapter prepared for the *Elsevier Handbook of the Economics of Innovation*, B. H. Hall and N. Rosenberg (eds.), April 2010. [Slide presentation](#), Research and Innovation Policy Conference, Oslo, Norway, 25 January 2012.

Diffusion

[Innovation and Diffusion](#), October 2003. In Fagerberg, J., D. Mowery, and R. R. Nelson (eds.), *Handbook of Innovation*, Oxford University Press, 2004.

[Adoption of New Technology](#), with Beethika Khan. In Jones, Derek C., *New Economy Handbook*, Academic Press, 2003.

...

Mergers

Redefining the Takeover Target: An Empirical Investigation Using Duration Models, with Constance Phelizon. UC Berkeley and Universite Paris I: Photocopied.

[Mergers and R&D Revisited](#). Paper prepared for presentation at the NSF Symposium on Quasi-Experimental Methods, Econometrics Laboratory, UC Berkeley, August 3-7, 1999. (revised version of a paper presented at an NBER conference on mergers and productivity, January 1997 and a conference

on The Influence of Financial Markets on Restructuring in Science Based Industries, Milano, May 21-22, 1999). New version July 12, 1999. [Slides from presentation](#).

[Corporate Restructuring and Investment Horizons](#). *Business History Review* 68 (Spring 1994): 110-143. NBER Working Paper No.

...

Reports and data documentation

[Measuring Science, Technology, and Innovation: A Review](#), with Adam Jaffe, May 2012. Report for the Panel on Developing Science, Technology, and Innovation Measures for the Future, National Academy of Science.

[Methods and software for the harmonization and integration of datasets: A test based on IP-related data and accounting databases with a large panel of companies at the worldwide level](#), with Grid Thoma, Salvatore Torrisci, Alfonso Gambardella, Dominique Guellec, and Dietmar Harhoff, paper prepared for presentation at the *PatStat Conference - Conference on Patent Statistics for Decision Makers*, Vienna, September 3-4, 2008.

[TSP 5.1 User's Guide](#), (with Clint Cummins), TSP International, February 2005, revised October 2009.

[TSP 5.1 Reference Manual](#), (with Clint Cummins), TSP International, February 2005, revised October 2009.

...

[Pour en savoir plus](#)

Juin 2014