

Steven Casper

Keck Graduate Institute of Applied Life Sciences

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Employment

Keck Graduate Institute of Applied Life Sciences
Interim Dean, School of Applied Life Sciences, 2013- Present
Associate Dean, Faculty Development, 2012-2013
Henry E. Riggs Professor of Management, 2006-Present
Associate Professor of Management, 2006-Present
Assistant Professor of Management, 2003-2006

Cambridge University
University Lecturer, Judge Institute for Management Studies, 2000-2003
Senior Research Fellow, ESRC Center for Business Research, 2001-2003

Social Science Center Berlin (WZB)
Research Fellow, 1997-2000

Education

Cornell University
PhD in Government, 1997

University of California, Irvine
Bachelor of Arts in Political Science and History, 1992

Fellowships, Honors & Awards

2008, 2009, 2010, 2011, 2012	Keck Graduate Institute Teaching Excellence Award
2009	Fulbright Scholarship Research Chair Scholar (Canada)
2007	Keck Graduate Institute Faculty Service Award
2006	Summer Research Fellow, Center for the Advancement of Behavioral Sciences, Stanford University
1999	Best Paper Award, Society for the Advancement of Socio-Economics Annual Conference
1998-1999	Fellow in Residence, Netherlands Institute for Advanced Studies
1992-1995	National Science Foundation Graduate Fellowship

Publications

Books

2007 *Creating Silicon Valley in Europe: Public Policy Towards New Technology Industries*, Oxford: Oxford University Press.

2005 Co-edited with F. van Waarden, *Innovation and Institutions: A Multidisciplinary Review of the Study of Innovation Systems*. London: Edward Elgar.

Peer-Reviewed Journal Articles

- 2013 “The spill-over theory reversed : the impact of regional economies on the commercialization of university science.” *Research Policy*, Vol. 42: 1313-1324
- 2009 “Institutional Frameworks and Public Policy Towards Biotechnology: What Can Asia Learn From Europe?” *Asian Business & Management*, v. 8, pp. 363-395.
- 2009 “Can New Technology Firms Succeed in Coordinated Market Economies? A Response to Herrmann and Lange,” *Socio-Economic Review*, v. 7, pp. 209-215.
- 2007 “How Do Technology Clusters Emerge and Become Sustainable? Social Network Formation and Inter-firm Mobility within San Diego Biotechnology,” *Research Policy*, v. 36, pp. 438-455.
- 2005 Co-authored with F. Murray, “Careers and Clusters: Analyzing the Career Network Dynamics of Biotechnology Clusters.” *Journal of Engineering and Technology Management*, v. 22, pp. 51-74.
- 2004 Co-authored with R. Whitley, “Managing Competences in Entrepreneurial Technology Firms: A Comparative Institutional Analysis of Germany, Sweden and the UK.” *Research Policy*, v. 33, pp. 89-106.
- 2003 Co-authored with C. Matraves, “Institutional Frameworks and Innovation in the German and UK Pharmaceutical Industry.” *Research Policy*, v. 32, pp. 1865-1879.
- 2003 Co-authored with A. Karamanos, “Commercializing Science in Europe: The Cambridge Biotechnology Cluster,” *European Planning Studies*, v. 11, pp. 805-822.
- 2001 Co-authored with H. Glimsted, “Economic Organization, Innovation, and the Internet.” *Oxford Review of Economic Policy*, v. 17, pp. 265-281.
- 2001 Co-authored with H. Kettler, “National Institutional Frameworks and the Hybridization of Entrepreneurial Business Models within the German and UK Biotechnology Sectors” *Industry and Innovation*, v. 8, pp. 5-30.
- 2001 Co-authored with H. Kettler, “Turning Good Science into Successful Businesses: The Technology Transfer Systems in the UK and Germany” *International Journal of Commercial Biotechnology*, v. 7, pp. 197-207.
- 2000 “Institutional Adaptiveness, Technology Policy, and the Diffusion of New Business Models: The Case of German Biotechnology” *Organization Studies* v. 21, pp. 887-914.
- 1999 Co-authored with B. Hancké: “Global quality norms within national production regimes: ISO 9000 standards in the French and German Car Industries.” *Organization Studies* v. 20, pp. 961-985.
- 1999 Co-authored with M. Lehrer and D. Soskice. “Can High-Technology Industries Prosper in Germany? Institutional Frameworks and the Evolution of the German Software and Biotechnology Industries.” *Industry and Innovation*, v. 6, pp. 5-24.
Reprinted in B. Hancké ed. *Debating Varieties of Capitalism*, Oxford: Oxford University Press, 2009.
- 1997 “Automobile Supplier Network Organization in East Germany: A Challenge to the German Model of Industrial Organization.” *Industry and Innovation*, v. 4, pp. 97-113.

- 1997 Co-authored with S. Vitols. "The German Model in the 1990s: Problems and Prospects." *Industry and Innovation*, v. 4, pp. 1-15.

Chapters in Edited Books

- 2012 "National Research Systems and the Commercialization of Science: Knowledge Production and Career Dynamics in Germany and the United States," in G. Morgan and R. Whitley eds. *Capitalism and Capitalisms in the 21st Century*, Oxford: Oxford University Press.
- 2010 Co-authored with J. Krausse and A. McNevin, "The Prince Edward Island Biotechnology Cluster: Creating a Knowledge-Based Economy," in M. Ahn, M. Alvarez, A. Meyers, and A. York, eds. *Building the Case for Biotechnology*, New York: Ingram, Baker & Taylor.
- 2010 "Knowledge and Innovation," in G. Morgan and R. Whitley eds. *Handbook of Comparative Institutional Analysis*, Oxford: Oxford University Press.
- 2006 Co-authored with S. Vitols, "Managing Competencies within Entrepreneurial Technologies: A Comparative Institutional Analysis of Software Firms in Germany and the United Kingdom." In D. Grimshaw and M. Miozzo eds. *Knowledge Intensive Business Services; New Organizational Forms and National Institutions*. London: Edward Elgar.
- 2006 "Exporting Silicon Valley to Europe: How Useful is Comparative Institutional Theory?" in J. Hage and M. Meeus eds. *Handbook on Institutions and Institutional Change*. Oxford: Oxford University Press.
- 2004 Co-authored with F. Murray, "Examining the Marketplace for Ideas: How Local are Europe's Biotechnology Clusters," in M. McKlevey, A. Rinicke, and J. Laage-Hellman eds. *The Economic Dynamics of Biotechnology*, London: Edward Elgar.
- 2004 Co-authored with D. Soskice, "Patterns of Innovation and Varieties of Capitalism: Explaining the Development of High-Technology Entrepreneurialism in Europe." In F. Malerba ed. *Sectoral Systems of Innovation in Europe*, Cambridge: Cambridge University Press.
- 2003 "The German Internet Economy and the 'Silicon Valley Model': Convergence, Divergence, or Something Else?" in B. Kogut ed. *The Global Internet Economy*, Cambridge: MIT Press.
- 2002 "National Institutional Frameworks and High-Technology Innovation in Germany: The Case of Biotechnology." In J.R. Hollingsworth, K. Mueller, and E. Hollingsworth eds. *Advancing Socio-Economics: An Institutional Perspective*, Lanham: Rowman & Littlefield.
- 2001 "The Legal Framework for Corporate Governance: Explaining the Development of Contract Law in Germany and the United States." In P. Hall and D. Soskice eds. *Varieties of Capitalism: The Challenges Facing Contemporary Political Economies*. Oxford: Oxford University Press.
- 2001 "Institutional Frameworks and Supplier Network Organization in Germany and the United States" in K. Wever ed. *Firms, Banks, and Industry in Germany and the United States*. New York: Upjohn Press.
- 2000 Co-authored with B. Hancké "Reproducing Diversity: ISO 9000 and Work Organization in the French and German Car Industries." In S. Quack, G. Morgan, and R. Whitley eds. *National Capitalisms, Global Competition, and Economic Performance*. Amsterdam: John Benjamins.

Sponsored Research Reports and Monographs

2009. “Southern California Bioscience Industry Profile.” Southern California Edison.
2009. “The Marketplace for Ideas: Can Los Angeles Build a Successful Biotechnology Cluster?” Report to the John Randolph Haynes Foundation.
- 2000 Co-authored with H. Kettler, *The Road to Sustainability in the UK and German Biotechnology Industries*. UK Office of Health Economics.

Teaching Cases

- 2011 “Government Policy, HIV/AIDS, and the Pharmaceutical Industry”
- 2011 “Needs Assessment and Innovation Management for Tuberculosis Diagnostics”
- 2010 “Medicines for Malaria Venture: A New Paradigm for Not-for-profit Drug Discovery.”
- 2010 Co-authored with Rebecca Goldberg and Nick Jacenko, “Veracyte: European Market Assessment.”
- 2009 Co-authored with Sarah Koo and Reid Snowden, “The GAVI Alliance and Advanced Market Commitments: A New Policy for Vaccine Development?”
- 2009 “The Prince Edward Island Biotechnology Cluster: Creating a Knowledge-Based Economy”

Research Grants and External Support

- 2013 National Science Foundation
Contracting for Innovation: The Management of University-Industry Partnerships (PI), \$187,000
- 2012 Burroughs Wellcome Fund
Bioscience Management Summer Bootcamp (PI), \$50,000
- 2009 Fletcher Jones Foundation
Charting a New Direction in Undergraduate Science Education.” (Co-PI), \$250,000
- 2008 Southern California Edison
“Southern California Bioscience Industry Profile” (PI), \$17,000
- 2007 John Randolph Haynes Foundation
“The Marketplace for Ideas: Can Los Angeles Build a Successful Biotechnology Cluster?” (PI), \$107,000
- 2004 Economic and Social Research Council (UK)
“Technical Communities in Science.” (PI), GBP 25,000
- 2002 European Union (TSER Program)
“The New Economy in Europe.” (Co-PI), \$25,000

- 2001 Cambridge-MIT Institute
 “Building a Biomedical Enterprise.” (Co-PI), \$250,000
- 2001 Economic and Social Research Council (UK)
 “Commercializing Science: Genomics Biotechnology in Comparative Perspective.” (PI),
 GBP 55,000

University Service

Keck Graduate Institute

- 2012-Present Associate Dean of Faculty Development
- 2011-Present Accreditation Liaison Officer
- 2005-present Admissions Committee
- 2008-Present Faculty Advisor, Student Ethics Committee
- 2010-2012 Director, Postdoctoral Professional Masters in Bioscience
 Management Program
- 2011-2012 Strategic Planning Committee on Educational Innovation (co-chair)
- 2007-2011 Accreditation Steering Committee
- 2005-2011 Curriculum Review Committee (chair 2006-2010)
- 2006-2010 Director, Masters of Bioscience Program
- 2006, 2009-2010 Faculty Representative, KGI Budget Committee
- 2006-2008 Faculty Handbook Committee (chair)
- 2007-2008 Conflict Management Committee (chair)

University of Cambridge

- 2002-2003 Program Development Committee, MPhil in Bioscience Enterprise
- 2001-2002 Program Development Committee, Phil in Technology Policy

Teaching

Keck Graduate Institute

MBA level courses taught on the “Masters of Bioscience” program:

- 2008-2011 Market Assessment and Market Strategy (core course)
- 2008-2011 International Business and Global Health (elective course)
- 2003-2007, 2009 Entrepreneurial Management (elective course)
- 2004-2007 Introduction to Strategy and Marketing for Life Science Industries (core
 course)
- 2003-2007 Building a Biomedical Enterprise (elective course)

Claremont McKenna College

Undergraduate general education science courses taught with an applied theme:

- 2011-2012 The Science and Business of Medicinal Chemistry (co-taught with Anna
 Wenzel, Claremont McKenna College science faculty)
- 2010 Science, Technology, and Business: Genetic Engineering (co-taught with
 Emily Wiley, Claremont McKenna College science faculty)
- 2009 Science, Technology, and Business: Neuropharmacology (co-taught with
 Newton Copp, Claremont McKenna College science faculty)

University of Cambridge, United Kingdom

2001-2003 Innovation and Entrepreneurship (core course, MBA program)
2001-2003 Research Design (core course, Mphil in Management and PhD programs)
2003 Building a Biomedical Enterprise (elective, MBA and Mphil programs)
2002 Technology Policy (core course, Mphil in Technology Policy)

Professional Activities

Professional Societies

Member: American Sociological Association, Academy of Management, European Group for Organization Studies, Society for the Advancement of Socio-Economics.

Sub-theme Organizer, European Group for Organization Studies, 2009 Annual Conference

Executive Council Member, Society for Advancement of Socio-Economics, 2002-2004.

Journal Editorial Boards

2004-present Industry and Innovation
2010-present Journal of Commercial Biotechnology

Refereeing activities:

American Sociological Review, American Journal of Sociology, California Management Review, Research Policy, Organization Science, Comparative Politics, Management Science, Industrial and Corporate Change, Review of International Political Economy, Human Relations, Journal of Management Studies, Organization Studies, Socio-Economic Review, Cambridge Journal of Economics, Industry and Innovation, Governance, Science and Public Policy. Book proposal reviewer for Cambridge University Press, MIT Press, Stanford University Press, and Oxford University Press.