

STEVEN CASPER

Henry E. Riggs Professor of Management and Director of the Postdoctoral Professional Masters Program

AREAS OF EXPERTISE

Science and technology policy, international business, economic sociology

CONTACT INFORMATION

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Dr. Casper received his PhD in government from Cornell University. He came to KGI from the University of Cambridge, UK, where he was a University Lecturer in Innovation and Entrepreneurship at the Judge Institute of Management Studies. He was previously employed as a Senior Research Fellow at the Social Science Center, Berlin.

Dr. Casper is widely published in the fields of economic sociology, international business, and public policy. He has written a book on the development of the science-based industry in Europe (*Creating Silicon Valley in Europe: Public Policy Towards New Technology Industries*, Oxford University Press, 2007). Dr. Casper has been selected as an academic year fellow at the Netherlands Institute of Advanced Studies and a summer fellow at the Center for Advanced Study in the Behavioral Sciences, Stanford University. In 2009, Casper was awarded a Fulbright Research Scholarship to do research in Canada.

RESEARCH SYNOPSIS

Dr. Casper's research explores how regional bioscience clusters emerge and become sustainable. His current project uses social network analysis to explore the history of the California biotechnology industry. He is also conducting cross-national comparative studies to investigate the effectiveness of different types of public policy in creating well-performing science-based industries. Dr. Casper's research interests include comparative studies of the development of new technology industries. Dr. Casper maintains a special interest in processes by which biomedical science has been commercialized across the U.S. and Europe.

KEY RESEARCH CAPABILITIES

Social network analysis, bibliometric and patent analysis, semi-structured interview research, comparative institutional analysis.

CURRENT RESEARCH PROJECTS

Creating Successful Biotechnology Clusters: Dr. Casper is currently completing a book exploring how bioscience clusters emerged and became sustainable across different regions within California. He is also conducting ongoing cross-national research on whether public policy can be used to create biotechnology clusters. His current research in this area focuses on Canada, the United States, and Germany.

Cross-national Comparisons of Commercialization Processes: Universities vary tremendously in their ability to commercialize science and through doing so develop networks linking companies with university scientists. Dr. Casper's research in this area explores how the orientation of national research systems, specifically patterns of career competition across scientists, influence patterns by which science is commercialized. His research in this area compares the commercialization of biological science discoveries in the United States and Japan.

FUTURE RESEARCH INTERESTS

Dr. Casper's future research interests include public policy towards global health, particularly policies attempting to create new patterns of drug discovery towards neglected disease, and cross-national comparisons of how national research systems are organized, distinctively labor markets, and how this impacts commercialization processes.

SELECTED PUBLICATIONS

Casper S. "Public Research Systems, Career Structures and the Commercialization of Academic Science in Different Capitalisms". In: Morgan G, Campbell J, Crouch C, et al., editors. *Handbook of Comparative Institutional Analysis*. Oxford University Press; 2011.

Casper S. "Institutional Frameworks and Public Policy Towards Biotechnology: Can Asia Learn from Europe?" *Asian Business & Management* 2009;8:363-395.

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Casper S, Murray F. "Careers and Clusters: analyzing the career network dynamic of biotechnology clusters". *Journal of Engineering and Technology Management* 2005;22(1-2):51-74.

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Casper S, Kettler H. "National Institutional Frameworks and the Hybridization of Entrepreneurial Business Models within The German and UK Biotechnology Sectors". *Industry and Innovation* 2001;8(1):3-50.

Casper S, Kettler H. "Turning Good Science into Successful Businesses: The Technology Transfer Systems in the UK and Germany". *International Journal of Commercial Biotechnology* 2001;7:197-207.

Casper S. "Institutional adaptiveness, Technology Policy, and the Diffusion of New Business Models: The case of German Biotechnology". *Organization Studies* 2000;21(5):887-914.



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