

## Abbreviated CV -- Lynne G. Zucker

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### a. Professional Preparation

Wells College, Aurora, NY	Sociology, Psychology (both: Distinction)	B.A. 1966
Stanford University	Sociology	M.A. 1969, Ph.D 1974

### b. Major Current Appointments

1974- University of California, Los Angeles: Department of Sociology: Professor, 1989- ; Associate Professor 1981-89; Assistant Professor, 1975-81; Lecturer, 1974-75; Department of Policy Studies, Professor, 1996- (joint appointment); School of Education: Affiliated faculty, 1984- .

1989- Elected Member, Macro Organizational Behavior Society (MOBS).

2000- Fellow, California Council on Science and Technology.

1996- Center for International Science, Technology, and Cultural Policy, UCLA, Director.

1994- Research Associate, National Bureau of Economic Research (NBER).

### c. Main Interests

My training is in organizational sociology, institutional theory, economic sociology, and social psychology. My current major interests are on processes and impact of knowledge transmission from basic science to commercial use, especially impact on economic performance of firms, creation of new organizational populations (some of which become new industries), and on productivity growth. I share with Michael Darby an interest in identifying the major mechanisms of knowledge transfer and the institutional infrastructure that cause metamorphic industry change and rapid economic growth. Within the context of basic scientific breakthroughs that are commercially applicable, we are exploring other measures of success such as IPO returns and examining the impact of other means of knowledge transfer such as joint ventures. We are now studying many of the same processes in nanoscience, a newly emerging basic research area with significant commercial potential. To identify institutional infrastructure effects, we are completing a comparative study of biotech in Japan and the U.S. and embarking on a set of major international analyses of the transmission of scientific breakthroughs to commercial use in nanotechnology.

### d. 10 Selected Recent Publications

1. Michael R. Darby, Qiao Liu, and Lynne G. Zucker, "High Stakes in High Technology: High-tech Market Values as Options," *Economic Inquiry*, 2003 in press.
2. Michael R. Darby and Lynne G. Zucker, "Growing by Leaps and Inches: Creative Destruction, Real Cost Reduction, and Inching Up," *Economic Inquiry*, January 2003, 41(1): 1-19.  
<http://ei.oupjournals.org/cgi/reprint/41/1/1.pdf>
3. Lynne G. Zucker, Michael R. Darby, and Jeff Armstrong, "Commercializing Knowledge: University Science, Knowledge Capture, and Firm Performance in Biotechnology," *Management Science*, January 2002, 48(1): 138-153.  
<http://pubsonline.informs.org/main/index.php?user=58459>
4. Lynne G. Zucker, Michael R. Darby, and Máximo Torero, "Labor Mobility from Academe to Commerce," *Journal of Labor Economics*, July 2002, 20(3): 629-660.  
<http://www.journals.uchicago.edu/JOLE/journal/issues/v20n3/020307/020307.web.pdf>
5. Lynne G. Zucker and Michael R. Darby, "Capturing Technological Opportunity Via Japan's Star Scientists: Evidence from Japanese Firms' Biotech Patents and Products," *Journal of Technology Transfer*, January 2001, 26(1/2): 37-58.-  
<http://www.ipsapp008.lwwonline.com/content/getfile/4952/6/4/fulltext.pdf>
6. Lynne G. Zucker, Michael R. Darby, and Marilyn B. Brewer, "Intellectual Human Capital and the Birth of U.S. Biotechnology Enterprises," *American Economic Review*, March 1998, 88(1): 290-306.  
<http://links.jstor.org/sici?sici=0002-8282%28199803%2988%3A1%3C290%3A%3E2.0.CO%3B2-%23>

7. Lynne G. Zucker and Michael R. Darby, "Star Scientists and Institutional Transformation: Patterns of Invention and Innovation in the Formation of the Biotechnology Industry," *Proceedings of the National Academy of Sciences*, November 12, 1996, 93(23): 12709-12716.  
<http://links.jstor.org/sici?sici=0027-8424%2819961112%2993%3A23%3C12709%3ASSAITP%3E2.0.CO%3B2-5>
8. Lynne G. Zucker, Michael R. Darby, and Jeff Armstrong, "Geographically Localized Knowledge: Spillovers or Markets?", *Economic Inquiry*, January 1998, 36(1): 65-86.
9. Pamela Tolbert and Lynne G. Zucker, "The Institutionalization of Institutional Theory." Pp. 175-190 in Stewart R. Clegg, Cynthia Hardy, and Walter R. Nord, eds., *Handbook of Organization Studies*. London, U.K.: Sage Publications, 1996. [*Handbook of Organization Studies* won the Academy of Management's 1997 George R. Terry Award.]
10. Julia Porter Liebeskind, Amalya Lumerman Oliver, Lynne G. Zucker, and Marilynn B. Brewer, "Social Networks, Learning, and Flexibility: Sourcing Scientific Knowledge in New Biotechnology Firms," *Organization Science*, July/August 1996, 7(4): 428-443.  
<http://links.jstor.org/sici?sici=1047-7039%28199607%2F199608%297%3A4%3C428%3ASNLAFS%3E2.0.CO%3B2-6>