

## MARGARET E. BLUME-KOHOUT

8927 Desert Fox Way NE, Albuquerque, NM 87122

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### EDUCATION

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- Ph.D. Policy Analysis, [Pardee RAND Graduate School](#) 2009  
Dissertation: [Essays on Government Policy and Pharmaceutical Innovation](#)  
[Kauffman Foundation Dissertation Fellow](#)  
Committee: [Dr. Neeraj Sood](#) (Chair), [Dr. Dana Goldman](#), [Dr. Greg Ridgeway](#)
- M.S. Environmental Health Sciences, University of California at Berkeley 2002  
Program in Health, Environment and Development
- B.A. Economics, Williams College 1996

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### CURRENT APPOINTMENTS

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- [MBK Analytics LLC](#), Albuquerque, NM, USA April 2013 – Present  
Founder & CEO
- [New Mexico Consortium](#), Albuquerque, NM, USA May 2013 – Present  
Senior Research Economist

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### RESEARCH AND TEACHING FIELDS

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Applied Microeconomics; Applied Econometrics; Public Economics & Policy Analysis;  
Science Policy & Economics of Innovation; Labor, Demographic, & Health Economics

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### PUBLICATIONS AND RESEARCH PAPERS

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#### *Working Papers and Submitted Articles*

**Blume-Kohout ME**, Adhikari D. Training the Scientific Workforce: Does Funding Mechanism Matter? Presented at AEA January 2014, and at the Southern Economic Association 82<sup>nd</sup> Annual Meeting, November 2012. *Submitted, currently under review.*

**Blume-Kohout ME**. Gender Differences in the Influence of Institutional Environments on Innovation and Entrepreneurship. Presented at the Association for Public Policy Analysis & Management Fall 2014 Research Conference (APPAM 2014). *Mimeo.*

**Blume-Kohout ME**, Clack JW. Funding Diversity: Debt and Career Choices of New PhDs Presented at the American Economic Association (AEA) Annual Meeting, Philadelphia PA, January 2014, and at the Southern Economic Association (SEA) 83<sup>rd</sup> Annual Meeting, Tampa FL, November 2013. *Mimeo.*

**Blume-Kohout ME**, Kumar K, Sood N. (2014) Competing Effects of Research Funding Sources on Quantity and Quality of University Patents. Discussed at the Academy of Management Technology and Innovation Management Division's Junior Faculty Consortium, August 2014. *Mimeo.*

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**PUBLICATIONS AND RESEARCH PAPERS, continued**


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**Blume-Kohout ME**, Krestel R, Smyth P. Risk and Reward in the War on Cancer: Productivity and Efficiency of the NCI-Funded Research Portfolio. *In preparation*.

**Blume-Kohout ME**. Imported Entrepreneurs: Foreign-Born Scientists and Engineers in U.S. STEM Fields Entrepreneurship. *In preparation*.

**Published Journal Articles**

**Blume-Kohout ME**, Kumar K, Lau C, Sood N. (2014) Effects of Federal Research Funding on Formation of University-Firm Biopharmaceutical Alliances. *Journal of Technology Transfer*, *in press*.

**Blume-Kohout ME**, Kumar K, Sood N. (2014) [University R&D Funding Strategies in a Changing Federal Funding Environment](#). *Science & Public Policy*, *in press*.

**Blume-Kohout ME**, Clack JW. (2013) [Are Graduate Students Rational? Evidence from the Market for Biomedical Scientists](#). *PLOS ONE* 8(12): e82759.

**Blume-Kohout ME**, Sood N. (2013) [Health Insurance Expansions and Pharmaceutical Markets](#). *Harvard Health Policy Review*, 14(1):17-19.

**Blume-Kohout ME**, Sood N. (2013) [Market Size and Innovation: Effects of Medicare Part D on Pharmaceutical Research and Development](#). *Journal of Public Economics*, 97:327-336.

**Blume-Kohout ME**. (2012) [Does Targeted, Disease-Specific Public Research Funding Influence Pharmaceutical Innovation?](#) *Journal of Policy Analysis and Management*, 31(3):641-660.

**Blume-Kohout ME**, Hengartner NW. (2006) Insufficiency of the Uniform Mixing Assumption in Epidemic Models: A Cautionary Tale. Proceedings of the American Statistical Association, [First Annual Conference on Quantitative Methods & Statistical Applications in Defense and National Security \(SDNS\)](#).

**Technical Reports and Other Writings**

**Blume-Kohout ME**. (2014) [Understanding the Gender Gap in STEM Fields Entrepreneurship](#). U.S. Small Business Administration, Office of Advocacy Report no. 424.

**Blume-Kohout ME**, Leonard SR, Novak-Leonard JL. (2014) Motivations and Barriers in U.S. Arts Attendance. National Endowment for the Arts, Office of Research and Analysis Research Report, *forthcoming*.

Garber S, Gates S, **Blume-Kohout ME**, Burgdorf J, Wu H. (2011) Challenges to Value-Enhancing Innovation in Health Care Delivery: Commonalities and Contrasts with Drugs and Devices. [RAND: OP-341-EMKF](#).

Fossum D, Eiseman E, Moreno C, Painter LS, **Blume-Kohout ME**. (2009) Innovation in Academe: Federal R&D Funding and the Patenting Activities of U.S. Universities and Colleges. [RAND: TR-749-EMKF](#).

Sood N, Sun E, Zhou X, **Blume-Kohout ME**. (2008) Potential Effects of Introducing Behind the Counter Drugs. [RAND: WR-608-ASPE](#).

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**RESEARCH FUNDING**


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**Active Projects:**

Balancing the Portfolio: Efficiency and Productivity of Federal Biomedical R&D Funding  
 PI: Margaret Blume-Kohout; collaborative research with Padhraic Smyth (UC-Irvine)  
 National Science Foundation awards #1158697 (UNM) and #1342433 (NMC)  
 8/01/12 – 7/31/15 \$ 385,446

Educating and Training Tomorrow's Agricultural Scientists and Engineers  
 PD: Margaret Blume-Kohout, MBK Analytics  
 U.S. Department of Agriculture, Contract AG32SBP140253  
 9/10/14 – 9/11/15 \$30,000

Research on Immigrants in STEM Fields Entrepreneurship  
 PD: Margaret Blume-Kohout, MBK Analytics  
 U.S. Small Business Administration, Contract SBAHQ-14-Q-0034  
 7/03/14 – 7/01/15 \$57,947

**Completed Support:**

General Social Survey Analysis and Report  
 PD: Margaret Blume-Kohout, MBK Analytics  
 National Endowment for the Arts, Contract C13-72  
 9/26/13 – 10/31/14 \$102,783

Research on Gender Differences in STEM Fields Entrepreneurship  
 PD: Margaret Blume-Kohout, MBK Analytics  
 U.S. Small Business Administration, Contract SBAHQ-13-M-0203  
 9/17/13 – 9/30/14 \$83,965

Effects of Federal R&D Funding on the Biomedical Sciences Workforce  
 PI: Margaret Blume-Kohout  
 National Institutes of Health # U01GM099002  
 9/15/11 – 6/30/13 \$ 233,280

Federal Funding of University R&D – The Pathway to Commercialization  
 Lead PI: Krishna Kumar (RAND); co-PIs Margaret Blume-Kohout and Neeraj Sood  
 National Science Foundation # 1064215  
 5/1/11 – 4/30/12 UNM Sub-Award: \$ 16,020

Dynamic Modeling for University Production  
 PI: Margaret Blume-Kohout  
 Research Allocations Committee (RAC) Grant 12-19, UNM, FY 2012 \$ 4,000

Effects of Federal R&D Funding on University Patenting  
 PI: Margaret Blume-Kohout  
 Research Allocations Committee (RAC) Grant 11-35, UNM, FY 2011 \$ 4,000

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**CONFERENCES AND INVITED PRESENTATIONS**


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|  |                 |
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| Session Organizer and Presenter, Assoc. for Public Policy and Management   | Nov. 2014, 2012 |
| Discussant, Academy of Management Annual Meeting, Entrepreneurship Division  | August 2014     |
| Invited Participant, AAAS Workshop <i>Assessing the Research Outputs and Policy Importance of NSF's SciSIP Program</i> | May 2014        |
| Session Organizer and Presenter, American Economic Assoc. Annual Meeting   | January 2014    |
| Presenter and Discussant, Southern Economic Association Meeting  | Nov. 2013, 2011 |
| Invited Speaker, Glenn School of Public Affairs, Ohio State University   | October 2013    |
| Invited Speaker, NIH Scientific Management Review Board  | June 2013       |
| Invited Speaker, Harvard Business School / Econ Dept seminar series  | March 2013      |
| Presenter, National Science Foundation SciSIP Program PI Conference  | September 2012  |
| Poster Presenter, Gordon Research Conference on S&T Policy   | August 2012     |
| Invited Speaker, US Dept of Agriculture Economic Research Service  | April 2012      |
| Presenter, International Industrial Organization Conference  | May 2012, 2010  |
| Presenter, Atlanta Conference on Science and Innovation Policy   | September 2011  |
| Presenter and Discussant, Western Economic Association Conference  | July 2011       |
| Presenter, Kauffman Entrepreneurship Workshop, Atlanta, GA   | January 2010    |
| Presenter, First Annual Health Econometrics Workshop, Chicago, IL  | October 2009    |

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**EMPLOYMENT HISTORY**


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| University of New Mexico, Albuquerque, NM, USA   | 2010 – 2013 |
| Senior Fellow, Robert Wood Johnson Foundation Center for Health Policy   |             |
| Assistant Professor, Department of Economics   |             |
| <i>Taught graduate courses including econometrics (PhD core sequence), cost-benefit analysis and program evaluation, public economics, and health economics, as well as introductory microeconomics for undergraduates. Chaired three Master's theses to successful completion. Mentor to RWJF Doctoral Fellow Joaquin Rubalcaba, now a third-year PhD candidate in economics.</i> |             |
| University of Waterloo, Waterloo, ON, Canada   |             |
| Assistant Professor, Department of Economics   | 2009 – 2010 |
| <i>Taught upper-division undergraduate courses in econometrics and cost-benefit analysis, as well as a graduate seminar in health economics. Supervised three senior undergraduates on research projects.</i>  |             |
| RAND Corporation, Santa Monica, CA   |             |
| Adjunct Associate Economist  | 2009 – 2010 |
| Doctoral Fellow and Assistant Policy Analyst   | 2004 – 2009 |
| Los Alamos National Laboratory, Los Alamos, NM   |             |
| Graduate Research Assistant, Basic and Applied Simulation Science  | 2002 – 2005 |

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**EMPLOYMENT HISTORY, continued**


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| University of California, Berkeley, CA                                     |             |
| Graduate Student Instructor, Department of Economics                       | 2000 – 2001 |
| Teaching Assistant, Intro to Environmental Health, School of Public Health | 2000        |
| Tufts University School of Medicine, Boston, MA                            |             |
| Research Assistant, Environmental Epidemiology                             | 1998 – 1999 |
| Arthur D. Little, Inc., Cambridge, MA                                      |             |
| Analyst, Healthcare Industry Strategic Management Consulting               | 1997 – 1998 |
| Policy Analysis Inc. (PAI), Brookline, MA                                  |             |
| Research Assistant, Health Economics Contract Research                     | 1996 – 1997 |

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**HONORS, AWARDS, AND FELLOWSHIPS**


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|---|------|
| Kit and Mary Ann Hagopian Dissertation Award  | 2007 |
| Pardee RAND Graduate School (Amount: \$25,000)  |      |
| Anne and James Rothenberg Dissertation Award  | 2007 |
| Pardee RAND Graduate School (Amount: \$5,000)   |      |
| RAND Merit Spot Bonus Award   | 2007 |
| For “leadership of the Student On-The-Job Training brokerage and general giving of time to provide thoughtful advice on issues we’re confronting” |      |
| Donald and Susan Rice Scholarship   | 2004 |
| Pardee RAND Graduate School   |      |
| Outstanding Graduate Poster Presentation in Mathematics   | 2003 |
| Student Symposium, Los Alamos National Laboratory   |      |
| Public Health Alumni Association Fellowship   | 2000 |
| School of Public Health, University of California, Berkeley   |      |

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**PROFESSIONAL SERVICE**


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Reviewer, grant proposals for the National Science Foundation (2014, 2013, 2012)

Organizing Committee Member, Kauffman Foundation Emerging Scholars Conference (2014)

Accepted into Early Career Reviewer program for National Institutes of Health (2014)

Reviewer, journal articles for Economic Bulletin (2013), Economic Inquiry (2012, 2013), PLOS ONE (2013), European Journal of Health Economics (2011)

Reviewer, conference submissions for the Academy of Management (2014), Atlanta Conference on Science and Innovation Policy (2011), American Society of Health Economists (2011)

*Professional Affiliations*

Association for Public Policy and Management, Academy of Management, American Economic Association, American Society of Health Economists