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Education

- Ph.D. Economics, Duke University, September 1995.
Thesis Title: The Development of Demand for Intoxicating Substances by Adolescents
Fields of Study: Health Economics, Labor Economics, Public Finance.
- M.A. Economics, Duke University, 1992.
- B.S. Political Science, Economics, Santa Clara University, 1990.

Professional Experience

- 2009 – Present Acting Director, Economics, Finance and Organization Unit, RAND Health
- 2007 - Present Core Faculty, Pardee RAND Graduate School of Public Policy
- 2005 – Present Co-Director, Drug Policy Research Center, RAND
- 2005 – Present Senior Economist, RAND
- 1997 – Present Faculty Research Fellow, National Bureau of Economic Research
- 2002 – 2004 Economist, RAND
- 1998 – 2001 Associate Economist, RAND
- 1997 – 1998 Visiting Senior Research Analyst, Health Research and Policy Centers, University of Illinois at Chicago
- 1995 – 1998 Assistant Professor of Economics, School of Business Administration, University of San Diego

Research Interests

Health and Health Care, Drug Markets, Drug Policy, Public Health Policy and Economics of Crime

Selected Journal Articles

- Pacula, RL**, Kilmer B, Grossman M, and F.Chaloupka (2010). Risks and prices: The role of user sanctions in marijuana markets. *The B.E. Journal of Economic Analysis & Policy*: 10(1): (Contributions), Article 11.
- McCaffrey D, **Pacula, RL**, Han, B. and P. Ellickson. (2010) “Marijuana Use and High School Drop Out: The Influence of Unobservables” *Health Economics* 19: 1281-1299.
- Nunberg H, Kilmer B, **Pacula RL**, and J. Burgdorf. (Forthcoming) “Medical Marijuana Applicants in California Presenting to a Medical Marijuana Specialty Practice” *Journal of Drug Policy Analysis*.
- MacCoun, R., **Pacula, R.L.**, Chiqui JF, Harris K, and P Reuter (2009) “Do Citizens Know Whether Their State Has Decriminalized Marijuana? Assessing the Perceptual Component of Deterrence Theory” *Review of Law and Economics* 5(1): 347-371.
- Williams J; **Pacula R.L.**; Chaloupka, F.J; and H. Wechsler. (2004). “Alcohol and Marijuana Use Among College Students: Economic Complements or Substitutes?” *Health Economics*, 13(9): 825-843.
- Pacula R.L.**; Chiqui J.F.; Reichman D.A.; and Terry-McElrath Y. (2002). “State Medical Marijuana Laws: Understanding the Laws and their Limitations” *Journal of Public Health Policy*. 23(4): 413-439.

- Kenkel, D., Mathios, A.D. and **R.L. Pacula**. (2001). "Economics of Youth Drug Use, Addiction and Gateway Effects." *Addiction* 96, Number 1, Special Issue: 151-164.
- Pacula, R.L.** and R. Sturm. (2000). "Mental Health Parity Legislation: Much Ado About Nothing?" *Health Services Research* 35(1 pt 2): 263-275.
- Sturm, R. and **R.L. Pacula**. (1999). "State Mental Health Parity Laws: Cause or Consequence of Differences in Use?" *Health Affairs* 18(5): 182-192.
- Pacula, R.L.** (1998). "Does Increasing the Beer Tax Reduce Marijuana Consumption?" *Journal of Health Economics* 17(5): 557-586.
- Pacula, R.L.** (1997). "Women and Substance Use: Are Women More Susceptible to Addiction?" *American Economic Review* 87 (2): 454-459.
- Pacula, R.L.** (1997). "Economic Modeling of the Gateway Effect." *Health Economics* 6(5): 521-524.

Selected Books and Book Chapters

- Kilmer, B and **R.L. Pacula** (Forthcoming). "Drug Prevention and its Impact on Substance Use, Earnings and Educational Outcomes" in Levine P and D Zimmerman (Eds) *Targeting Investments in Children*, University of Chicago Press.
- Pacula, R.L.**; MacCoun R; Reuter P.; Chriqui J.F.; Kilmer B.; Harris K; Paoli L; and C. Schaefer. (2005) "What does it mean to decriminalize cannabis? A cross-national empirical examination" in B. Lindgren and M. Grossman (Eds) Advances in Health Economics and Health Services Research Vol. 16: Substance Use: Individual Behavior, Social Interactions, Markets and Politics. Elsevier Press.
- Hall, W. and **R.L. Pacula**. (2003). *Cannabis Use and Dependence: Public Health and Public Policy*. Melbourne, Australia: Cambridge University Press.
- Pacula, R.L.**; Grossman, M; Chaloupka, F.J.; P. O'Malley; L.D. Johnston and M.C. Farrelly. (2001) "Marijuana and Youth" (pp. 193-191). In Jonathan Gruber (Ed.), *Risky Behavior Among Youths: An Economic Analysis*. Chicago, IL: University of Chicago Press.
- Chaloupka, F.J. and **R.L. Pacula**. (2000). "Economics and Anti-Health Behavior: The Economic Analysis of Substance Use and Abuse" (pp. 89-111). In W. Bickel and R. Vuchinich (Eds), *Reframing Health Behavior Change with Behavioral Economic*. Hillsdale, NJ: Lawrence Earlbaum Associates.

Selected Peer-Reviewed Monographs and Congressional Testimony

- Kilmer B, JP Caulkins, **RL Pacula**, RJ MacCoun and PH Reuter (2010). Altered State? Assessing How Marijuana Legalization in California Could Influence Marijuana Consumption and Public Budgets." RAND Occasional Paper OP315. Santa Monica, CA: RAND
- Pacula RL** (2010). "An Assessment of the Scientific Support Underlying the FY2011 Budget Priorities of the Office of National Drug Control Policy" Testimony Presented before the House Oversight and Government Reform Committee, Subcommittee on Domestic Policy, Washington DC, April 14, 2010. RAND Congressional Testimony CT-344.

- Reuter PH, F Trautmann, **RL Pacula**, B Kilmer, A Gageldonk, D van der Gouwe (2009) “Assessing Changes in Global Drug Problems, 1998-2007: Main Report” RAND Technical Report TR-704-EC. Santa Monica, CA: RAND.
- Kilmer B and **R.L. Pacula** (2009) “Estimating the size of the global drug market: A demand-side approach: Report 2” RAND Technical Report TR-711-EC. Santa Monica, CA: RAND.
- Pacula R.L.**, S. Hoorens, B Kilmer, PH Reuter, JR Burgdorf, and P Hunt (2009) “Issues in Estimating the Economic Cost of Drug Abuse in Consuming Nations: Report 3” RAND Technical Report TR-709-EC. Santa Monica, CA: RAND.
- Nicosia, N, **R.L. Pacula**, B Kilmer, R Lundberg, and J Chiesa (2009) *The Economic Cost of Methamphetamine Use in the United States, 2005*. RAND Research Monograph MG-829-MPF/NIDA. Santa Monica CA: RAND.
- R.L. Pacula** (2009) “Legalizing Marijuana: Issues to Consider Before Reforming California State Law” Testimony presented before the California State Assembly Public Safety Committee, Sacramento, CA October 28, 2009. RAND Congressional Testimony CT-334. Santa Monica, CA: RAND.
- Pacula R.L.** (2008). “What Research Tells Us About the Reasonableness of the Current Priorities of National Drug Control” Testimony presented before the House Oversight and Government Reform Committee, Subcommittee on Domestic Policy, Washington DC, March 12, 2008. RAND Congressional Testimony CT-302. Santa Monica, CA: RAND.
- Caulkins, J., **R.L. Pacula**, J. Arkes, P. Reuter, S. Paddock, M. Iguchi, and J. Riley. (2004). *The Price and Purity of Illicit Drugs: 1981 Through the Second Quarter of 2003*. Office of National Drug Control Policy. November.
- Arkes, J., **R.L. Pacula**, S. Paddock, J. Caulkins, and P. Reuter. (2004). *Technical Report for the Price and Purity of Illicit Drugs Through 2003*. Office of National Drug Control Policy. November.

Current Working Papers and Papers Under Review

- Galenianos, M, **Pacula, R.L.** and Persico, N. “A Search-Theoretic Model of the Retail Markets for Illicit Drugs” Paper submitted to *Review of Economic Studies*, September 2009. Also released as an NBER Working Paper # 14980, May 2009.
- Arkes, A, **Pacula R.L.**, Paddock S, Caulkins J and P Reuter. “Why the DEAs STRIDE Data are Still Useful for Understanding Drug Markets” Paper re-submitted to *Review of Economics and Statistics*, August 2009. NBER Working Paper #14224, August 2008.
- Pacula RL.** “Substance Use and Recessions: What can be learned from the alcohol literature?” Paper submitted to *International Journal of Drug Policy*, December 2010.
- Pacula, RL** “Examining the Impact of Marijuana Legalization on Marijuana Consumption: Insights from the Economics Literature” RAND Working Paper Series WR-770-RC, July 2010.
- Pacula, RL** “Examining the Impact of Marijuana Legalization on Harms Associated with Marijuana Use” RAND Working Paper Series WR-769-RC, July 2010.

Pacula R.L., Kilmer B, Slaughter M and S. Paddock. “The Dynamics of Drugs and Crime: Using Microsimulation to Understand How Marijuana and Crime over Time” Paper presented at University of Maryland Crime and Population Dynamics Workshop, June 2009.

Paddock S.M., **Pacula R.L.**, Ringel. J et al., “Using Microsimulation Modeling to Capture Heterogeneity in Marijuana Use” Paper presented at the International Society for the Study of Drug Problems (ISSDP) Meetings, Vienna Australia, March 2009.

FUNDED RESEARCH

Co-Director on a contract with the U.S. Department of Health and Human Services entitled “Short Term Analysis to Support Mental Health Parity Implementation”, September 2010 through June 2011.

Co-Investigator on a contract with the European Commission entitled “Drug Supply Reduction and Drug-Related Crime”, September 2008 through June 2009.

Co-Principal Investigator on a grant from the National Institute on Drug Abuse entitled “Evaluating the Role of Race in Criminal Justice Referrals to Treatment”, March 2008 through February 2010.

Co-Investigator on a contract with the European Commission entitled “Global Markets for Drugs” January 1, 2008 through December 31, 2008.

Principal Investigator on a contract with the Meth Project Foundation entitled “Economic Cost of Methamphetamine Use in 2005” December 1, 2007 through November 30, 2008.

Principal Investigator on a grant from the National Institute on Drug Abuse entitled “The Economic Cost of Drug Use?” May 10, 2006 through April 30, 2010.

Principal Investigator on a grant from the National Institute of Drug Abuse entitled “Are There Economic Costs to Marijuana Use?” February 05, 2000 through January 31, 2004. Received continuing renewal grant for August 2004 through July 2007.

Principal Investigator on a grant from the Robert Wood Johnson foundation entitled “Exploring the Relationship Between Marijuana Policy and Price” January 2004 through December 2005.

Co-Investigator on a grant from the Robert Wood Johnson Foundation entitled “Understanding The Impact Of Funding Volatility On Treatment Services” September 2004 through August 2006.

Principal Investigator on a grant from the Robert Wood Johnson Foundation entitled “Within- and Cross-National Analyses of the Effects of Cannabis Depenalization” July 01, 2002 through June 30, 2005.

Principal Investigator on a government task order from the Office of National Drug Control Policy entitled “The Price of Illicit Drugs” September 2002 through May 2004.

Co-Principal Investigator on a grant from the Robert Wood Johnson Foundation entitled, “State Illicit Drug Surveillance System.” Duane McBride, Principal Investigator. January 1, 2000 through February 2004.

Co-Investigator on a grant from the National Institute of Drug Abuse entitled “Consequences of Drug Use.” Phyllis Ellickson, Principal Investigator. July 2000 through November 2003.

Principal Investigator on a grant from the Robert Wood Johnson Foundation entitled “Are there Unintended Consequences of Alcohol and Tobacco Policies on College Campuses?” Frank Chaloupka, Co-Investigator. November 1, 1998 through October 31, 2001.

Co-Investigator on a grant from the Robert Wood Johnson Foundation entitled “Estimating the Effects of Drug Prevention Programs on the Use of Cocaine, Marijuana, Cigarettes and Alcohol.” Jonathan Caulkins, Principal Investigator. March 3, 2000 through June 30, 2001.

Co-Investigator on a grant from the Robert Wood Johnson Foundation entitled “The Impact of Environmental Factors on Youth and Young Adult Tobacco Use,” Frank Chaloupka Principal Investigator, Michael Grossman and Henry Saffer Co-Principal Investigators. October 1, 1997 through September 30, 1999.

Co-Investigator on a grant from the Center for Disease Control and Prevention entitled “Price, Availability, and Youth Tobacco Use” Frank Chaloupka Principal Investigator. September 1, 1997 through September 30, 1998.

Research Specialist on a grant from the Robert Wood Johnson Foundation entitled “Youth Alcohol, Tobacco and Other Drug Surveillance Initiative,” Frank Chaloupka, Project Director. November 1, 1997 through October 31, 1999.

Research Specialist on a grant from the Robert Wood Johnson Foundation entitled “Youth Alcohol, Tobacco, and Other Drug Surveillance Initiative: Planning Proposal,” Frank Chaloupka, Project Director. October 1, 1997 through October 31, 1997.

Principal Investigator on a grant from the National Institute on Alcohol Abuse and Alcoholism entitled “The Development of Demand for Intoxicating Substances.” August 1, 1993 through July 31, 1995.

OTHER PROFESSIONAL ACTIVITIES

American Society for Health Economics (ASHE) Awards Committee, December 2009 – present.

Member of the APPAM Conference Program Committee, Fall 2008 and Fall 2009.

Assistant Editor, *Addiction*, December 2005 - December 2009.

Conference Host and Program Chair for 4th Annual Meeting of the International Society for the Study of Drug Problems (ISSDP), to be held at RAND Santa Monica, CA., March 2010.

One of 13 members appointed to the Health Services Research Subcommittee, *National Institute on Drug Abuse* Initial Review Group-F, June 2003 – June 2007.

Conference Planner for 2005 Addiction Health Services Research Meeting co-hosted by UCLA and RAND, Santa Monica, CA, October 2005.

One of 11 people appointed to review the 2003 National Research Council and Institute of Medicine’s report *Reducing Underage Drinking: A Collective Responsibility*, Committee on Developing a Strategy to Reduce and Prevent Underage Drinking, Richard J. Bonnie and Mary Ellen O’Connell Editors.

Selected to be part of Scientific Committee for the first American Society on Health Economics (ASHE) Meeting, Madison, Wisconsin, 2006.

One of 12 members appointed to the Health Services Research Review Subcommittee of the *National Institute on Alcohol Abuse and Alcoholism* Initial Review Group, (AA-2), July 2001-October 2002.

Regular reviewer for the following journals and foundations: *American Economic Review*, *Health Affairs*, *Health Economics*, *Health Services Research*, *Journal of Health Economics*, *Journal of Policy Analysis and Management*, *Journal of Political Economy*, *Journal of Research in Crime and Delinquency*, *Law and Economics*, *Review of Law and Economics*, *Forum for Health Economics & Policy*, *Medical Care*, *National Science Foundation*, *Robert Wood Johnson Foundation* and *Addiction*..

HONORS AND AWARDS

- 2010 recipient of RAND President's Award, recognizing individuals exemplifying RAND's core values of quality and objectivity and who have made exemplary contributions to the RAND community
- Selected to be the Keynote Speaker at the 2008 Australian Professional Society on Alcohol and Other Drugs (Sydney, November 2008)
- Featured in a research summary the *NBER Reporter* publication (Winter 2005).
- 2004 Winner of RAND Bronze Merit Award for contributions to RAND's Mission Statement through expansion of research, July 2004.
- Participant in first "Creating Career Opportunities For Female Economists" Conference sponsored by CWEP and the National Science Foundation, January 5-7, 1998.
- University of San Diego School of Business *Top Teachers* List, Fall, 1995
- Magna Cum Laude, 1990.
- Phi Beta Kappa, 1990.
- Alpha Sigma Nu, 1990.