

## BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Abrams, David B.	POSITION TITLE Executive Director		
eRA COMMONS USER NAME DBABRAMS	Schroeder Institute for Tobacco Research & Policy Studies American Legacy Foundation (Legacy)		
EDUCATION/TRAINING ( <i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i> )			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of the Witwatersrand, S. Africa	B.S.	1974	Psychology, Computer Science
Rutgers University, New Brunswick, NJ	M.S.	1978	Clinical Psychology
Rutgers University, New Brunswick, NJ	Ph.D.	1981	Clinical Psychology
Brown University, Providence, RI		1978-1979	Health Psychology Intern
Brown Medical School, Providence, RI		1979-1980	Postdoctoral Fellow

### **A. Personal Statement**

My focus is on providing scientific leadership in tobacco control using transdisciplinary and translational research strategies. Systems integration is arguably the single most critical missing ingredient needed to inform policy and to maximize the as yet unrealized potential to significantly reduce tobacco use prevalence. Specifically, I explore innovative ways to put what we know into widespread practice and policy to make an efficient impact (reach x efficacy / cost) on the population. I bring scientific expertise at the conceptual, basic, applied, policy and administrative levels with over 30 years experience in tobacco control research. I have experience in the role of government agencies in improving the nation's health (e.g., as former director of OBSSR at NIH). I have extensive experience in testing theory, in research design, and in the measurement of mechanisms of behavior change and outcomes including: social cognitive and motivational constructs, psychiatric, alcohol and substance abuse comorbid conditions, measurement of tobacco use trajectories, patterns and transitions, nicotine dependence and biochemical validation of smoking. I also have experience in evaluation of clinical trials (behavioral and pharmacological) and in the deployment of dissemination, implementation and community-based research to inform policy and practice including optimization of interventions across a variety of contexts, settings and modes of delivery. Since 2009, I have focused on the role research can play in informing the regulatory decisions underlying the policies of the FDA's Center for Tobacco Products (CTP). This includes coordinating development of a strategic research agenda to inform FDA's regulatory authority, convening expert thought leaders, and conducting rapid research in areas such as menthol, e-cigarettes, and public perceptions of potential FDA regulations such as lowering nicotine levels in cigarettes.

### **B. Positions, Honors, Advisory Committees and Other Professional Experience**

1983 – 1988 Assistant Professor of Psychiatry & Human Behavior, Brown Medical School, Providence, RI  
1988 – 1992 Associate Professor of Psychiatry & Human Behavior, Brown Medical School, Providence, RI  
1989 – 1999 Director, Cancer Prevention Research Consortium (NCI program project P50 award)  
1992 – 2008 Professor of Psychiatry and of Community Health, Brown Medical School, Providence, RI  
1993 – 1994 Visiting Professor, Fred Hutchinson Cancer Research Center, Univ of Washington, Seattle, WA  
1998 – 2004 Founding Director, Transdisciplinary Centers for Behavioral and Preventive Medicine, Brown Medical School  
1998 – 1999 Associate Editor, *Health Psychology*  
1999 – 2004 Tobacco Etiology Research Network (TERN), Robert Wood Johnson Foundation, Princeton, NJ  
1999 – 2006 Member, Board of Scientific Advisors (BSA), National Cancer Institute, NIH  
2001 – 2003 Council Chair, Publications & Communications, Society for Research on Nicotine and Tobacco  
2002 Chair, Special Emphasis Initial Review Group: Cancer Communications Centers RFA. NCI, NIH  
2001 – 2004 President Elect, President, Past President, Society of Behavioral Medicine  
2005 – 2008 Director, Office of Behavioral and Social Sciences Research (OBSSR), Associate Director, Office of the Director, National Institutes of Health, Bethesda, MD  
2008 – present Director, Schroeder Institute for Tobacco Research & Policy Studies, Legacy, Washington, DC  
2009 – present Professor, Dept of Health, Behavior & Society, The Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

## Honors

1995	Fellow, American Psychological Association
1995	Fellow, Society of Behavioral Medicine
1998	Distinguished Scientist Award, Society of Behavioral Medicine
2005	Fellow, Academy of Behavioral Medicine Research
2005	Book of the Year Award: <i>Tobacco Dependence Treatment Handbook</i> . American Journal of Nursing
2006	Outstanding Research Mentor Award, Society of Behavioral Medicine
2006	Distinguished Service Award, Society of Behavioral Medicine
2006	The Musiker-Miranda Distinguished Service Award, American Psychological Association
2007	Distinguished Alumni Award: Rutgers University, The Graduate School, New Brunswick, NJ
2008	Joseph W. Cullen Memorial Award for Tobacco Research, American Society for Preventive Oncology

## Advisory Committees and Other Professional Experience

1986	Expert Consensus Panel: Biochemical Evaluation of Smoking. NCI/NIH
1986	Expert Panel: Smoking Relapse Prevention. NHLBI/NIH
1988	Invited Contributor: The 1988 Surgeon General's Report on Tobacco Dependence. USDHHS
1988	Expert Consensus Panel: Self-Change Smoking Cessation. NCI/NIH
1990	Invited External Scientific Reviewer: The 1990 Surgeon General's Report. USDHHS
1991	Scientific Advisory Board: Tobacco Control ASSIST program. NCI/NIH
1997	Chair, Initial Review Group: Program Project, Cancer Communications. NCI/NIH
1998	Expert Consensus Panel: Tobacco Research Implementation Group. NCI, NIH
1999 – 2006	Member, Board of Scientific Advisors (BSA), National Cancer Institute, NIH
2007	Committee Member: Ending the Tobacco Problem. Institute of Medicine, National Academy of Sciences, Washington, DC
2008	Expert Panel. <i>Smoking Cessation in Hospitalized Patients</i> . NHLBI/NIH
2009	Initial Review Group: Improved Effectiveness of Smoking Cessation in Low Income Adults, NCI, NIH
2009	Expert Committee. <i>Science of Behavior Change (SOBC) Roadmap Development</i> . Office of the Director and Office of Behavioral and Social Sciences Research. NIH
2009	Committee Member: An evidence framework for obesity prevention decision-making. Institute of Medicine. National Academy of Sciences, Washington, DC.
2009	Consensus Group: Cigarette Warning Labels, Packaging, and Labeling. NCI/NIH
2009	Expert Panel. Twitter for Tweetment. Developing New Mobile Therapy for Tobacco Treatment. NIDA/NIH

## C. Peer-reviewed Publications (in chronological order, selected from over 220)

1. Lichtenstein E, Glasgow RE, **Abrams DB**. Social support in smoking cessation: In search of effective interventions. *Beh Therapy*. 17(5): 607-19. doi:10.1016/S0005-7894(86)80098-3.
2. **Abrams DB**, Biener L. Motivational characteristics of smokers: A public health challenge. *Prev Med*. 1992 Nov;21(6):679-87. PMID: 1438114.
3. **Abrams DB**, Orleans CT, Niaura RS, Goldstein MG, Prochaska JO, Velicer W. Integrating individual and public health perspectives for treatment of tobacco: A combined stepped care and matching model. *Ann Behav Med*. 1996 Fall;18(4):290-304. PMID: 18425675.
4. **Abrams DB**. Nicotine addiction: paradigms for research in the 21st century. *Nicotine Tob Res*. 1999;1 Suppl 2:S211-5. PMID: 11768182.
5. **Abrams DB**, Mills S, Bulger D. Challenges and future directions for tailored communication research. *Ann Behav Med*. 1999 Fall;21(4):299-306. PMID: 10721436.
6. **Abrams DB**, Herzog TA, Emmons KM, Linnan L. Stages of change versus addiction: a replication and extension. *Nicotine Tob Res*. 2000 Aug;2(3):223-9. PMID: 11082822.
7. **Abrams DB**, Leslie F, Mermelstein R, Kobus K, Clayton RR. Transdisciplinary tobacco use research. *Nicotine Tob Res*. 2003 Dec;5 Suppl 1:S5-10. PMID: 14668083.
8. Bock B, Graham A, Sciamanna C, Krishnamoorthy J, Whiteley J, Carmona-Barros R, Niaura R, **Abrams D**. Smoking cessation treatment on the Internet: content, quality, and usability. *Nicotine Tob Res*. 2004 Apr;6(2):207-19. PMID: 15203794.
9. Cobb NK, Graham AL, Bock BC, Papanonatos G, **Abrams DB**. Initial Evaluation of a "Real World" Internet Smoking Cessation System. *Nicotine Tob Res*. 2005 Apr;7(2):207-16. PMID: 16036277.

10. Graham AL, **Abrams DB**. Reducing the cancer burden of lifestyle factors: opportunities and challenges of the Internet. *J Med Internet Res*. 2005 Jul 1;7(3):e26. PMID: 15998617.
11. Graham AL, Bock BC, Cobb NK, Niaura R, **Abrams DB**. Characteristics of Smokers Reached and Recruited to an Internet Smoking Cessation Trial: A Case of Denominators. *Nicotine Tob Res*. 2006 Dec; 8 Suppl 1:S49-57. PMID: 17491170.
12. Graham AL, Papandonatos GD, Bock BC, Cobb NK, Baskin-Sommers A, Niaura R, **Abrams DB**. Internet- vs. telephone-administered questionnaires in a randomized trial of smoking cessation. *Nicotine Tob Res*. 2006 Dec;8 Suppl 1:S49-57. PMID: 17491171.
13. Graham AL, Papandonatos GD, DePue JD, Pinto BM, Borrelli B, Neighbors CJ, Niaura R, Buka SL, **Abrams DB**. Lifetime characteristics of participants and non-participants in a smoking cessation trial: implications for external validity and public health impact. *Ann Behav Med*. 2008 Jun;35(3):295-307. Epub 2008 Apr 15. PMID: 18414962.
14. Dierker L et al. and the Tobacco Etiology Research Network (TERN - **Abrams D** et al.). Tobacco, alcohol, and marijuana use among first-year U.S. college students: a time series analysis. *Subst Use Misuse*. 2008;43(5):680-99. PMID: 18393083.
15. Magid V et al. and the Tobacco Etiology Research Network (TERN - **Abrams DB** et al.). Negative affect, stress, and smoking in college students: unique associations independent of alcohol and marijuana use. *Addict Behav*. 2009 Nov;34(11):973-5. Epub 2009 May 23. PMID: 19523773.
16. Gilman SE, Rende R, Boergers J, **Abrams DB**, Buka SL, Clark MA, Colby SM, et al. Parental smoking and adolescent smoking initiation: an intergenerational perspective on tobacco control. *Pediatrics*. 2009 Feb;123(2):e274-81. PMID: 19171580.
17. Kahler CW, Daughters SB, Leventhal AM, Rogers ML, Clark MA, Colby SM, Boergers J, Ramsey SE, **Abrams DB**, Niaura R, Buka SL. Personality, psychiatric disorders, and smoking in middle-aged adults. *Nicotine Tob Res*. 2009 Jul;11(7):833-41. Epub 2009 May 26. PMID: 19470795.
18. Lloyd-Richardson EE et al. and the Tobacco Etiology Research Network (TERN – **Abrams DB** et al.). A prospective study of weight gain during the college freshman and sophomore years. *Prev Med*. 2009 Mar;48(3):256-61. Epub 2008 Dec 24. PMID: 19146870.
19. **Abrams DB**, Graham AL, Levy DT, Mabry PL, Orleans CT. Boosting Population Quits Through Evidence-Based Cessation Treatment and Policy. *Am J Prev Med*. 2010 Mar;38(3 Suppl):S351-63. PMID: 20176308.
20. Cobb NK, Byron MJ, **Abrams DB**, Shields PG. Novel nicotine delivery systems and public health: The rise of the "e-cigarette". *Am J Public Health* 2010, Dec;100(12):2340-2 100. PMID: 21068414.
21. Cobb NK, Graham AL, **Abrams DB**. Social network structure of a large online community for smoking cessation. *Am J Public Health* 2010, Jul;100(7):1282-9. PMID: 20466971.
22. Kahler CW, Leventhal AM, Daughters SB, Clark MA, Colby SM, Ramsey SE, Boergers J, **Abrams DB**, Niaura R, Buka SL. Relationships of personality and psychiatric disorders to multiple domains of smoking motives and dependence in middle-aged adults. *Nicotine Tob Res*. 2010 Apr;12(4):381-9. Epub 2010 Feb 18. PMID: 20167635.
23. Levy DT, Graham AL, Mabry PL, **Abrams DB**, Orleans CT. Modeling the impact of smoking-cessation treatment policies on quit rates. *Am J Prev Med*. 2010 Mar;38(3 Suppl):S364-S372. PMID: 20176309.
24. Levy DT, Mabry PL, Graham AL, Orleans CT, **Abrams DB**. Reaching Healthy People 2010 by 2013: A SimSmoke simulation. *Am J Prev Med*. 2010 Mar;38(3 Suppl):S373-81. PMID: 20176310.
25. Levy, DT, Graham AL, Mabry PL, Orleans CT, **Abrams, DB**. Exploring Scenarios to Dramatically Reduce Smoking Prevalence: A Simulation Model of the Three-Part Cessation Process. *Am J Public Health*. 2010 Jul;100(7):1253-9. Epub 2010 May 13. PMID: 20466969.
26. Orleans CT, Mabry PL, **Abrams DB**. Increasing Tobacco Cessation in America: A Consumer Demand Perspective. *Am J Prev Med*. 2010 Mar;38(3 Suppl):S303-S306. PMID: 20176300.
27. Tauras JA, Levy D, Chaloupka FJ, Villanti AC, Niaura RS, Vallone DM, **Abrams DB**. Menthol and non-menthol smoking: the impact of prices and smoke-free air laws. *Addiction*. 2010 Dec;105 Suppl 1:115-23. PMID: 21059142.
28. Villanti AC, McKay HS, **Abrams DB**, Holtgrave DR, Bowie JV. Smoking-Cessation Interventions for U.S. Young Adults: A Systematic Review. *Am J Prev Med* 2010;39(6):564–574. PMID: 21084078.
29. Chander G, Stanton C, Hutton HE, **Abrams DB**, Pearson J, Knowlton A, Latkin C, Holtgrave D, Moore RD, Niaura R. Are Smokers with HIV Using Information and Communication Technology? Implications for Behavioral Interventions. *AIDS Behav*. 2011 Mar 9. [Epub ahead of print]. PMID: 21390537.
30. Graham AL, Cobb NK, Papandonatos GD, Moreno JL, Kang H, Tinkelman DG, Bock BC, Niaura RS, **Abrams DB**. A Randomized Trial of Internet and Telephone Treatment for Smoking Cessation. *Arch Intern Med*. 2011 Jan 10;171(1):46-53. PMID: 21220660.
31. Levy DT, Pearson JP, Villanti AC, Niaura RS, **Abrams DB**. Modeling the effects of a menthol ban on smoking-attributable deaths in the United States. *Am J Public Health*. 2011;101(7):Published online ahead of print May 12, 2011.

32. Levy DT, Blackman K, Tauras JA, Chaloupka FJ, Villanti AC, Niaura RS, Vallone DM, **Abrams DB**. Quit Attempts and Quit Rates among Menthol and non-Menthol Smokers: Findings from a national population survey. *Am J Public Health*. 2011;101(7):Published online ahead of print May 12, 2011.
33. Villanti AC, Vargyas EJ, Niaura RS, Beck SE, Pearson JL, **Abrams DB**. FDA Regulation of Tobacco: Integrating science, law, policy and advocacy. *Am J Public Health*. In press.
34. Winickoff J, McMillen R, Vallone DM, Pearson JL, Tanski S, Dempsey J, Heaton CG, Klein J, **Abrams DB**. Attitudes about Banning Menthol in Cigarettes: Results from a Nationally Representative Survey. *Am J Public Health* 2011;101(7):Published online ahead of print May 12, 2011.

#### **D. Recent Research Support (Selected out of 65)**

##### **Pending Research Support**

Role: Co-Investigator

R01 CA 155369-01A1 Cobb (PI) 07/01/2011 – 06/30/2014

*Online Social Networks for Smoking Cessation Intervention Dissemination*

The proposed study is a randomized trial of the diffusion of an evidence-based software application for smoking cessation embedded within the Facebook social network.

Role: Co-Investigator

R01 CA 155489-01A1 Graham (PI) 07/01/2011 – 06/30/2016

*Improving Adherence to Web-Based Cessation Programs: A Social Network Approach*

This study will compare the efficacy of an interactive, evidence-based smoking cessation website alone and in conjunction with free NRT and a social network protocol designed to integrate participants into the online community and improve adherence to use of evidence based interventions.

##### **Active Research Support**

Role: Co-Investigator

RC1 DA028710 Kirchner (PI) 09/30/2009 – 09/29/2011

*Comparative Effectiveness of Web-based Mobile Support for the DC Tobacco Quitline*

The project uses web-enabled mobile devices to enhance the efficiency, fidelity, and impact of an established community-based tobacco quitline program that targets underserved communities in Washington D.C.

##### **Completed Research Support (past 3 years)**

Role: Principal Investigator\*

P50 CA84719 Abrams (PI) 09/30/2004 – 09/29/2010

*Transdisciplinary Tobacco Use Research Center (TTURC). Nicotine Dependence: Phenotype, Endophenotype & Contexts*

\* transferred PI to Raymond Niaura in 2005 upon appointment as Director, OBSSR/NIH

Role: Principal Investigator

R25 CA87972 Abrams (PI) 09/01/2005 – 08/31/2010

*Transdisciplinary Cancer Control Research Training Grant*

The aim of this Cancer Education Grant was to train the next generation of scientists to become highly successful, independently funded transdisciplinary researchers in prevention, control and population sciences.

\* transferred PI to William Rakowski in 2005 upon appointment as Director, OBSSR/NIH

Role: Principal Investigator\*

R01 CA104836 Abrams (PI) 08/25/2004 – 05/31/2010

*Internet and Telephone Treatment for Smoking Cessation*

\* transferred PI to Amanda Graham in 2005 upon appointment as Director, OBSSR/NIH