



Program

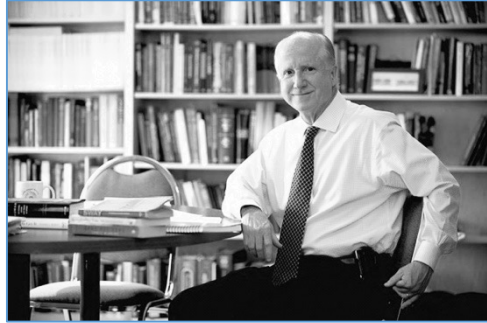
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Opening Remarks

Stephen T. Higgins, Ph.D.

Director, Vermont Center on Behavior & Health

Stephen T. Higgins, Ph.D., is Director of the University of Vermont's (UVM) Center on Behavior and Health, and Principle Investigator on five NIH grants on the general topic of behavior and health, including the Vermont Center on Tobacco Regulatory Sciences and the Center of Biomedical Research Excellence, as well as two research grants and an institutional training award. He is the Virginia H. Donaldson Endowed Professor of Translational Science in the Departments of Psychiatry and Psychology and serves as Vice Chair of Psychiatry. He has held many national scientific leadership positions, including terms as President of the College on Problems of Drug Dependence and the American Psychological Association's Division on Psychopharmacology and Substance Abuse. He is the author of more than 300 journal articles and invited book chapters and editor of a dozen volumes and therapist manuals in the area of behavior and health.

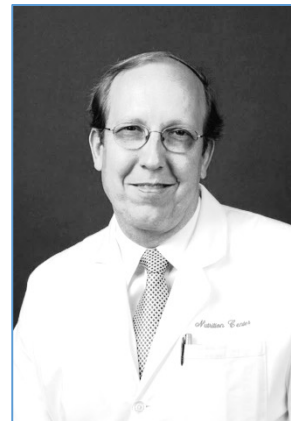


Welcoming Remarks

Gordon L. Jensen, M.D., Ph.D.

Senior Associate Dean for Research, UVM College of Medicine

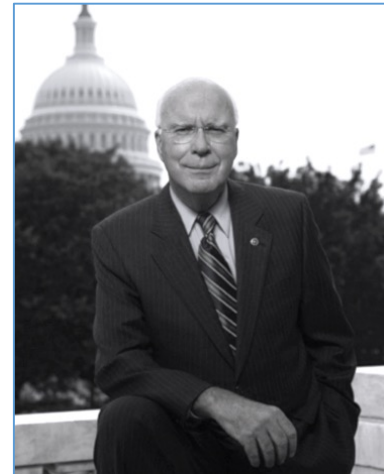
Gordon L. Jensen, M.D., Ph.D., is a widely recognized nutrition researcher and educator. His research interests have focused on the impact of nutritional status on health and functional outcomes in older persons. He received his medical degree from Cornell University Medical College and his Ph.D. in nutritional biochemistry from Cornell University. He completed residency training in Internal Medicine and fellowship training in Clinical Nutrition at New England Deaconess Hospital, Harvard Medical School. He has served on advisory panels, study sections and work groups for the National Institutes of Health, the Academy of Nutrition and Dietetics, and the Food and Nutrition Board. He has authored more than 180 journal articles, reviews, and book chapters. His contributions were recently recognized with the 2014 Jonathan Rhoads Lecture, the American Society for Parenteral and Enteral Nutrition's most prestigious award.



Video Message

The Honorable Patrick J. Leahy *United States Senator from Vermont*

The Conference kicks off with a special video message of appreciation and support from U.S. Senator Patrick Leahy of Vermont. Leahy is the Ranking Member of the Senate Judiciary Committee. He is the senior-most member of the Appropriations Committee and of the Agriculture Committee. Leahy is the Ranking Member of the Appropriations Subcommittee on State Department, Foreign Operations and Related Programs. He ranks first in seniority in the Senate.



Keynote Address

“Harnessing Research to Maximize Impact on Public Policy”

Kelly D. Brownell, Ph.D.
Dean, Sanford School of Public Policy, Duke University,
Robert L. Flowers Professor of Public Policy, Professor of
Psychology and Neuroscience



In 2006, Time magazine listed Kelly Brownell among “The World’s 100 Most Influential People” in its special Time 100 issue featuring those “whose power, talent or moral example is transforming the world.” Brownell was elected to membership in the National Academy of Medicine (formerly the Institute of Medicine) in 2006 and has received numerous awards and honors for his work, including the Lifetime Achievement Award from the American Psychological Association. He has published 15 books and more than 350 scientific articles and chapters. Dr. Brownell has advised the White House, members of congress, governors, world health and nutrition organizations, and media leaders on issues of nutrition, obesity, and public policy. He was cited as a “moral entrepreneur” with special influence on public discourse in a history of the obesity field and was cited by Time magazine as a leading “warrior” in the area of nutrition and public policy.

Day One: October 6

7:30 BREAKFAST & REGISTRATION

8:00-8:25 ***Welcomes***

Stephen T. Higgins, Ph.D., Director, VCBH, TCORS PI/Director, COBRE PI/Director, NIH/NIDA Research Training PI/Director, Virginia H. Donaldson Professor in Translational Science, Departments of Psychiatry and Psychological Science, UVM

Gordon L. Jensen, M.D., Ph.D., Senior Associate Dean for Research, UVM College of Medicine

Video Welcome Remarks by U.S. Senator Patrick J. Leahy of Vermont

8:30-9:25 ***Keynote Address "Harnessing Research to Maximize Impact on Public Policy"***

Kelly D. Brownell, Ph.D., Dean of the Sanford School of Public Policy, Robert L. Flowers Professor of Public Policy, Duke University

9:30-9:40 COFFEE BREAK

Panel on Weight Loss in Clinical Populations

Session Chairs: Philip A. Ades, M.D., VCBH Associate Director, Professor, Department of Medicine, Division of Cardiology, UVM; and, Jean Harvey, Ph.D., R.D., Chair, Department of Nutrition and Food Sciences, UVM

9:45-10:10 ***Role of Exercise in Weight Loss: Clinical Applications***

Joseph E. Donnelly, Ed.D., Professor of Medicine, Center for Physical Activity and Weight Management, University of Kansas Medical Center

10:15-10:40 ***Weight Loss in the Prevention and Treatment of Diabetes***

Linda Delahanty, M.S., R.D., L.D.N., Assistant Professor of Medicine, Director of Nutrition and Behavioral Research, Diabetes Research Center, Massachusetts General Hospital

10:45-11:10 ***Obesity and Weight Loss in Coronary Artery Disease***

Philip A. Ades, M.D., Associate Director, Vermont Center on Behavior and Health, Professor, Department of Medicine, Division of Cardiology, UVM College of Medicine

11:15-11:40 ***Role of Obesity and Weight Loss in Cancer Outcomes***

Kim Dittus, M.D., Ph.D., Assistant Professor, Department of Medicine, Division of Medical Oncology, Director of Oncology Rehabilitation, UVM College of Medicine

11:45-12:10 ***Right-Sizing Weight Gain in Pregnancy***

Julie Phillips, M.D., Assistant Professor, Department of Obstetrics, Gynecology, and Reproductive Sciences, Division of Maternal Fetal Medicine, UVM College of Medicine

12:15-1:25 LUNCH (Boxed Lunches Available*)

12:25-1:25 ***SPECIAL EVENT: NIH & FDA FUNDING OPPORTUNITIES FOR EARLY CAREER INVESTIGATORS*** *We invite session attendees to bring their boxed lunches.

Dana M. van Bommel, Ph.D., M.P.H., Assistant Deputy for Research, Office of Science, Center for Tobacco Products, Food and Drug Administration

Samia D. Noursi, Ph.D., Deputy Coordinator, Women and Sex/Gender Differences Research, National Institute on Drug Abuse

Panel on Use of Tobacco & Other Nicotine Delivery Products in Vulnerable Populations

Session Chair: John R. Hughes, M.D., Vermont Center on Tobacco Regulatory Sciences, Associate Director/Co-PI, Professor, UVM Departments of Psychiatry, Psychological Science, and Family Medicine; and, Chad Reissig, Addiction Branch Chief, FDA Center for Tobacco Products

1:30-1:55 ***Tobacco Use in Adolescents***

Janet E. Audrain-McGovern, Ph.D., Associate Professor of Psychiatry, Project Co-director, Penn TCORS Training and Career Development Program, Perelman School of Medicine, University of Pennsylvania

2:00-2:25 ***Intersection of Risk Factors for Cigarette Smoking and Illicit Drug Abuse in U.S. Nationally Representative Samples***

Allison N. Kurti, Ph.D., Postdoctoral Fellow, Vermont Center on Behavior and Health, Vermont TCORS, University of Vermont, Member of FDA TCORS Working Group on Tobacco Use in Vulnerable Populations

2:30-2:55 ***Electronic Cigarettes: Implications for Vulnerable Populations***

Jonathan Foulds, Ph.D., Professor of Public Health Sciences and Psychiatry, Co-director of the Penn State TCORS, Penn State University

3:00-3:25 ***Full-flavor Cigarettes & Nicotine-Dependence Risk in Vulnerable Populations***

Stephen T. Higgins, Ph.D., Professor & Vice Chair, UVM Department of Psychiatry, Director of VCBH and Vermont Center on Tobacco Regulatory Sciences

3:30-3:55 *Tobacco Use in Sexual Minorities*

Pratibha Nayak, Ph.D., Postdoctoral Research Associate, School of Public Health, Georgia State University TCORS, Georgia State University, Member of FDA TCORS Working Group on Tobacco Use in Vulnerable Populations

4:30-6:00 COCKTAIL HOUR & POSTER SESSIONS

Tobacco Regulatory Science & General Issues in Behavior and Health

A FEW DINNER SUGGESTIONS

Hen in the Wood, 55 Cherry Street, (802) 540-0534

The Farmhouse, 160 Bank Street, (802) 859-0888

Bleu: Northeast Seafood, Courtyard by Marriott Hotel, (802) 864-8600

Skinny Pancake, 60 Lake Street, (802) 540-0188

Leunig's Bistro, 115 Church Street, (802) 863-3759

Day Two: October 7

7:30-8:00 BREAKFAST

Panel on the Health Implications of Marijuana Legalization

8:00-8:05 *Welcome*

Stephen T. Higgins, Ph.D., VCBH Director, Professor, Departments of Psychiatry and Psychological Science, UVM

8:10-8:25 *Opening Remarks from Session Chair*

Alan J. Budney, Ph.D., Professor, Department of Psychiatry, Geisel School of Medicine, Dartmouth College

8:30-8:55 *Some Views from the Perspective of a State Considering Legalization*

Barbara Cimaglio, M.A., Deputy Commissioner, Vermont Department of Health

9:00-9:25 *Perspectives from a State Managing Legalization*

Larry Wolk, M.D., M.S.P.H., Executive Director and Chief Medical Officer, Colorado Department of Health & Environment

9:30-9:55 ***Federal Perspective on the Health Impacts of Marijuana Legalization***

Susan Weiss, Ph.D., Associate Director for Scientific Affairs, National Institute on Drug Abuse

10:00-10:10 COFFEE BREAK

10:15-10:40 ***Prevalence of Marijuana Use, Abuse, Dependence: Potential Impacts of Legalization***

Deborah S. Hasin, Ph.D., Department of Epidemiology, Mailman School of Public Health, Columbia University

10:45-11:10 ***Potential Impacts of Legalization on Factors Associated with the Development of Addiction (Marijuana Use Disorders)***

Alan J. Budney, Ph.D., Professor, Department of Psychiatry, Geisel School of Medicine, Dartmouth College

11:15-11:40 ***Potential Impacts in Pediatrics: Marijuana Use Disorders in Adolescents***

Denise D. Walker, Ph.D., Associate Professor, School of Social Work, University of Washington

11:45-11:55 WORKING LUNCH (Bring buffet selection into the conference room.)

12:00-12:25 ***Cannabis Use in Youth: From the Ballot Box to the Classroom***

Randi Schuster, Ph.D., Center for Addiction Medicine, Psychiatry Department, Massachusetts General Hospital/Harvard Medical School

12:30-12:55 ***Potential Impacts on Maternal-Infant Health***

Mishka Terplan, M.D., M.P.H., Medical Director, Baltimore Behavioral Health System, Adjunct Assistant Professor, Department of Epidemiology and Public Health, University of Maryland School of Medicine

1:00-1:25 ***Potential Impacts on Emergency Care***

George S. Wang, M.D., Instructor in Pediatrics, Children's Hospital Colorado & Rocky Mountain Poison and Drug Center, Denver Health Medical Center

1:30-1:55 ***Potential Impacts of Legalization on Treating Pain across the Health Care System***

Mark A. Ware, M.D., Associate Professor, Director of Clinical Research, Departments of Family Medicine and Anesthesia, McGill University

2:00 ADJOURN

Please fill out the online survey coming via email next week!

Poster Presentations: Tobacco Regulatory Science

- 1. Exenatide once weekly for smoking cessation: a randomized clinical trial**, *Luba Yammine, Ph.D.*, University of Texas Health Science Center at Houston
- 2. Awareness and use of e-cigarettes among cardiac patients**, *Irene Pericot-Valverde, Ph.D.*, Vermont Center on Tobacco Regulatory Science, VCBH, UVM
- 3. A randomized controlled trial of motivational and reduction interventions for smokers who are not ready to quit**, *Eli Klemperer, B.A.*, Vermont Center on Tobacco Regulatory Science, VCBH, UVM
- 4. Associations between price sensitivity and little cigar use**, *Mollie Miller, Ph.D.*, Center for Alcohol and Addiction Studies, Brown University
- 5. Development and initial validation of an e-cigarette purchase task**, *Rachel Cassidy, Ph.D.*, Center for Alcohol and Addiction Studies, Brown University
- 6. Especially the lonely – efficacy of online smoking cessation communities for smokers with low offline social support**, *Michael Amato, Ph.D.*, Schroeder Institute for Tobacco Research and Policy Studies, Truth Initiative, Washington, D.C.
- 7. Beyond education and income: identifying novel socioeconomic correlates of cigarette use in U.S. young adults**, *Andrea Villanti, Ph.D., M.P.H.*, Schroeder Institute for Tobacco Research and Policy Studies at Truth Initiative; Department of Psychiatry, UVM College of Medicine; Vermont Center on Tobacco Regulatory Science, VCBH
- 8. Dual use of cigarettes and smokeless tobacco: product use and nicotine exposure**, *Melissa Blank, Ph.D.*, Department of Psychology, West Virginia University
- 9. A pilot study on pediatric obesity prevention by maternal smoking cessation in pregnancy**, *Xiaozhong Wen, M.D., Ph.D.*, Pediatrics, SUNY Buffalo
- 10. Comparing the smoking topography of usual brand cigarettes in pregnant and non-pregnant smokers**, *Cecilia Bergeria, B.S.*, Vermont Center on Tobacco Regulatory Science, VCBH, UVM
- 11. Contraceptive choice and rates of use among female smokers**, *Heidi Melbostad, M.S.*, Vermont Center on Behavior and Health, UVM
- 12. The cigarette purchase task: examining differences in the reinforcing value of cigarettes in pregnant smokers with vs. without depressive symptoms**, *Ivori Zvorsky, B.A.*, VCBH, UVM

- 13. Characterizing smokers who use American Indian reservation cigarettes,** *Joanna Streck, B.A.*, Vermont Center on Tobacco Regulatory Science, VCBH, UVM
- 14. Examining differences in the subjective effects of cigarettes at varying doses of nicotine in menthol and non-menthol smokers,** *Danielle Davis, B.S.*, Vermont Center on Tobacco Regulatory Science, VCBH, UVM
- 15. Nicotine metabolism in pregnant cigarette smokers,** *Chris Arger, Ph.D.*, Vermont Center on Tobacco Regulatory Science, VCBH, UVM
- 16. Illicit drug use is associated with increased smoking among buprenorphine-maintained adults,** *Maria Parker, Ph.D.*, Vermont Center on Tobacco Regulatory Science, VCBH, UVM
- 17. Disparities in U.S. healthcare provider screening and advice for cessation across tobacco products and chronic medical conditions: NSDUH 2013-2014,** *Diana Keith, Ph.D.*, Vermont Center on Tobacco Regulatory Science, VCBH, UVM
- 18. Neural correlates of inhibitory control in abstinent vs. satiated smokers,** *Bader Chaarani, Ph.D.*, Vermont Center on Tobacco Regulatory Science, VCBH, UVM
- 19. Social media use and e-cigarette use expectancies and susceptibility among non-smoking young adults,** *Pallav Pokhrel, Ph.D., M.P.H.*, University of Hawaii Cancer Center
- 20. Effect of varenicline alone, and in combination with nabilone, on cannabis withdrawal and relapse in tobacco-smoking cannabis users,** *Evan Herrmann, Ph.D.*, Division on Substance Abuse, New York State Psychiatric Institute, Department of Psychiatry, Columbia University Medical Center
- 21. A growing geographic disparity: Recent urban and rural cigarette use trajectories in the United States,** *Nathan Doogan, Ph.D.*, Center of Excellence in Regulatory Tobacco Science, The Ohio State University, College of Public Health

Poster Presentations: General Issues in Behavior & Health

- 22. Increasing breastfeeding rates with financial incentives among Puerto Rican mothers in Philadelphia,** *Yukiko Washio, Ph.D.*, Christiana Care Health Services/University of Delaware
- 23. Participation rates and outcomes for systolic heart failure patients in cardiac rehabilitation,** *Jason Rengo, M.Sc.*, Division of Cardiology, Cardiac Rehabilitation and Prevention, UVM
- 24. Is adolescence a sensitive period for housing mobility effects on substance use?** *Nicole Schmidt, M.A.*, University of Minnesota, Minnesota Population Center

- 25. Delay discounting of pregnancy- and condom-protected sex among methadone-maintained women**, *Dennis Hand, Ph.D.*, Department of Obstetrics & Gynecology, Thomas Jefferson University, Philadelphia, PA
- 26. The effects of prior stress on anxiety-like responding to intra-BNST pituitary adenylate cyclase activating polypeptide (PACAP) in male and female rats**, *Bradley King, M.A.*, Department of Psychological Science, UVM
- 27. Comparing depression and anxiety scores within a population of surgical vs nonsurgical lower socioeconomic cardiac patient**, *Rebecca Elliott, B.S.*, VCBH
- 28. Vermont culture of wellness initiative for people living with severe mental illness**, *Jaskanwar Batra, M.D.*, Medical Director, Vermont Department of Mental Health, Clinical Associate Professor of Psychiatry, UVM College of Medicine
- 29. Teen and parent dysregulation in teens with cannabis use disorders: characteristics and behavioral treatment outcomes**, *Amy Hughes Lansing, Ph.D.*, Center for Technology and Behavioral Health, Geisel School of Medicine at Dartmouth College, NH
- 30. Depression screeners in cardiac rehabilitation: Diversity, validity, and comparative utility**, *Diann Gaalema, Ph.D.*, Vermont Center on Behavior and Health, UVM
- 31. Relationship between clinically significant health events and self-perception of executive function**, *Sarahjane Dube, M.S.*, Vermont Center on Behavior and Health, UVM
- 32. Does parental executive function moderate the relationship between household food insecurity, diet quality and child psychiatric symptoms?** *Merelise Ametti, B.A.*, Vermont Center for Children, Youth and Families, UVM College of Medicine
- 33. Health-related behaviors and mortality outcomes in women diagnosed with ductal carcinoma in situ**, *Chris Veal, B.S.*, UVM Department of Surgery, VCBH
- 34. A qualitative evaluation of a novel technology-based intervention to support physical activity among cancer survivors**, *Nancy Gell, Ph.D.*, Department of Rehabilitation and Movement Science, UVM
- 35. Examining discrepancies between self-reported and objective measures of adherence in teens with Type 1 Diabetes**, *Esha Vaid, B.A.*, Geisel School of Medicine at Dartmouth, NH
- 36. A nationally-scalable contingency management implementation for routine behavioral health care**, *Eric Gastfriend, M.B.A.*, DynamiCare Health, Cambridge, MA
- 37. Demographic and substance use profiles of alcohol-using pregnant women entering treatment**, *Caitlin Martin, M.D.*, University of North Carolina, Chapel Hill

- 38. Increasing physical activity in college students with autism spectrum disorder**, *Anita Li, M.S.*, Western Michigan University, Kalamazoo, MI
- 39. Increasing physical activity in adults with intellectual disabilities: a preliminary evaluation**, *Hugo Curiel, M.A.*, Western Michigan University, Kalamazoo, MI
- 40. Game-based incentives to improve use of an automated, self-management system for methadone patients**, *Brent Moore, Ph.D.*, Yale University School of Medicine, APT Foundation, New Haven, CT
- 41. A review of behavior analytic interventions targeting healthy eating and exercise**, *Stephanie Lo, B.S.*, Southern Illinois University Carbondale
- 42. Predicting adolescent cannabis use in males and females from multimodal data**, *Phil Spechler, B.A.*, Vermont Center on Behavior and Health, UVM
- 43. Undetected fentanyl use among patients receiving methadone or buprenorphine treatment**, *Taylor Ochalek, B.A.*, Vermont Center on Behavior and Health, UVM
- 44. Cocaine administration dose-dependently increases sexual desire and decreases condom use likelihood via delay and probability discounting**, *Robert LeComte*, Behavioral Pharmacology Research Unit, Department of Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine
- 45. Reducing the negative impact of context change on an operant response**, *Sydney Trask, M.A.*, Department of Psychological Science, UVM
- 46. Preventing relapse after incentivized choice treatment: a laboratory analysis**, *Eric Thrailkill, Ph.D.*, Department of Psychological Science, UVM
- 47. How to break a habit**, *Eric Thrailkill, Ph.D.*, Department of Psychological Science, UVM
- 48. Renewal in the context of stress: a potential mechanism for stress-induced reinstatement**, *Scott Schepers, M.A.*, Department of Psychological Science, UVM
- 49. Psychometric Assessment of the Marijuana Adolescent Problem Inventory**, *Ashley Knapp, Ph.D.*, Center for Technology and Behavioral Health, Geisel School of Medicine at Dartmouth College, NH
- 50. Cannabis legalization: potential impact on vaping and use of edible products among youth**, *Jacob Borodovsky, B.A.*, Center for Technology and Behavioral Health, Geisel School of Medicine at Dartmouth College, NH

Session Chair & Speaker Bios (in alphabetical order)

Philip A. Ades, M.D.

Dr. Ades is Professor of Medicine and Director of Cardiac Rehabilitation and Prevention at the University of Vermont (UVM) College of Medicine. His research has focused upon the value of targeted exercise programs on specific outcomes for patients with cardiac disease and high risk individuals. He is particularly interested in the value of exercise for overweight and older cardiac patients. He is also working with Drs. Gaalema and Higgins on the value of financial incentives to increase cardiac rehabilitation participation in lower SES cardiac patients. Ades, who also is associate director of the VCBH, played an instrumental role in the national expansion of cardiac rehabilitation services to Medicare recipients with chronic heart failure. In 2015, he was named Endowed Professor of Cardiac Disease Prevention at UVM and was chosen as one of four UVM Scholars for 2015-2016.

Janet E. Audrain-McGovern, Ph.D.

Dr. Audrain-McGovern is an Associate Professor in the Department of Psychiatry at the Perelman School of Medicine and a member of the Abramson Cancer Center at the University of Pennsylvania. Dr. Audrain-McGovern's research has documented the heterogeneity in adolescent smoking uptake, genetic influences on smoking behavior, protective and risk enhancing relationships for adolescent and young adult smoking, the use of combustible cigarettes with alternative tobacco, the association between e-cigarette use and the initiation and escalation of combustible cigarette smoking, and the affective regulation and reward processing features of nicotine in depression-prone smokers. Her 20 years of tobacco research experience includes longitudinal cohort studies of adolescent smoking and e-cigarette uptake, randomized clinical trials of behavioral smoking cessation treatments in adolescent and adult populations, randomized clinical trials of behavioral smoking cessation treatment in combination with pharmacotherapy, and human laboratory studies examining the mechanisms of smoking's effects in young adult and depressed populations to inform smoking cessation treatment (e.g., affective regulation, reward processing, behavioral substitutability, and habituation to cue-induced craving). In addition, Dr. Audrain-McGovern has been a part of the senior leadership for four P50 center grants. She has served as the Director of the Career Development Core for three NCI-funded center grants. Dr. Audrain-McGovern leads the Training Core and the Developmental Pilot Funding Core at UPENN TCORS which are focused on developing the next generation of tobacco regulatory scientists and providing seed money for innovative regulatory science research questions, respectively.

Dana M. van Bommel, Ph.D.

Dr. van Bommel is Assistant Deputy Director for Research at the FDA Center for Tobacco Products. She received her B.S. in Biotechnology from the University of Nebraska at Omaha and her Ph.D. in Biochemistry and Molecular Biology from the University of Nebraska Medical Center. Her doctoral research focused on understanding the mechanisms of epigenetic gene regulation. In 2006, Dr. van Bommel joined the Cancer Prevention Fellowship Program (CPFP; National Cancer Institute, NCI) as a Cancer Prevention Fellow and obtained her M.P.H. in Epidemiology and Biostatistics from the Johns Hopkins Bloomberg School of Public Health. As a post-doctoral fellow at the NCI, Dr. van Bommel worked in the Occupational and Environmental Epidemiology Branch, carrying out molecular

epidemiology studies of renal and bladder cancer, focusing on understanding the role of environmental exposures, chromatin stability and remodeling in tumor initiation and progression. Dr. van Bommel joined the scientific staff of the CFP in August 2008 as an Associate Director. During this time, she continued her research in epigenetics while serving as a fellows' mentor and overseeing multiple components of the program's training curriculum. In May 2011 she joined the Center for Tobacco Products, Office of Science. In her current position, Dr. van Bommel is working with the NIH-FDA Tobacco Regulatory Science Program to develop a research portfolio of biomedical, behavioral and social sciences research that will provide the scientific evidence needed to inform FDA's regulatory authorities. In addition, she is an active member of the Population Assessment of Tobacco and Health (PATH) Study team.

Alan J. Budney, Ph.D.

Dr. Budney is a Professor at the Geisel School of Medicine at Dartmouth. He is Director of a NIDA-funded training program on the Science of Co-Occurring Disorders, and Director of the Treatment Development and Evaluation Core for Dartmouth's Center for Technology and Behavioral Health. He has conducted extensive research on the development and evaluation of innovative behavioral treatments for substance use disorders, specializing in cannabis use disorders in adults and adolescents over the past 25 years. This research focuses on integrating innovative, contingency management interventions with more traditional therapies, and using computer-assisted therapies to enhance access to and the cost effectiveness of these approaches. He has also conducted human laboratory and survey studies characterizing the cannabis withdrawal syndrome, and currently is using social media recruitment strategies to assess the impact of the changing cannabis legal landscape in the U.S. Dr. Budney is Past-President of both Division 28 (Psychopharmacology and Substance Abuse) and Division 50 (Society on Addiction Psychology) of the American Psychological Association. He has served on the Board of Directors for the College of Problems on Drug Dependence and is currently its President-elect. He has served on and chaired numerous NIH grant review committees, was a member of the DSM-5 Substance Use Disorders working group, and served on the Scientific Review Board of the Center for Medical Cannabis Research, University of California San Diego.

Barbara Cimaglio, M.A.

Ms. Cimaglio is the Deputy Commissioner for Alcohol and Drug Abuse Programs at the Vermont Department of Health (VDH). She is a nationally recognized leader in the field of alcohol and drug abuse prevention, treatment and recovery. Her career spans almost 40 years of service directing programs at the state and local level. Prior to joining VDH in 2004, Ms. Cimaglio directed the Office of Alcohol and Drug Abuse Programs for the State of Oregon (1997-2004) and held the position of Director of the Department of Alcoholism and Substance Abuse for the State of Illinois from 1994 – 1997. At the community level, Ms. Cimaglio led programs in the City of Chicago focusing on adolescent and family services with a substance abuse treatment focus.

Linda M. Delahanty, M.S., R.D.N., L.D.

Ms. Delahanty is Chief Dietitian and Director of Nutrition and Behavioral Research at Massachusetts General Hospital's Diabetes Center and Assistant Professor of Medicine at Harvard Medical School. She

is a nationally recognized authority on nutrition and lifestyle interventions for the treatment of diabetes and obesity. She was a recipient of the National Award for Excellence in the Practice of Dietetics Research and the Medallion Award for lifetime achievement from the Academy of Nutrition and Dietetics and received the American Diabetes Association's Outstanding Educator in Diabetes Award in 2015. Ms. Delahanty has been a co-investigator in four NIH-funded multi-center clinical trials. She was Chair of the Dietitians Committee for the landmark Diabetes Control and Complications Trial and was one of the architects of the lifestyle interventions for the Diabetes Control and Complications Trial, the Diabetes Prevention Program, Look AHEAD and the TODAY study. She has also conducted outcomes research on the cost effectiveness of medical nutrition therapy, predictors of weight outcomes, and the translation of lifestyle interventions into primary care. Ms. Delahanty is currently one of the Principal Investigators for the NIH-funded REAL HEALTH Diabetes study to translate the Look AHEAD lifestyle intervention into primary care. She has authored both professional and lay articles on the role of nutrition and lifestyle in achieving weight loss and improved glycemic control and has been providing medical nutrition therapy to patients for diabetes and weight management for over 30 years. She is a graduate of the University of Massachusetts – Amherst and received a master's degree from Boston University.

Kim Dittus, M.D., Ph.D.

Dr. Dittus is a medical oncologist at the University of Vermont Medical Center. Her clinical focus is breast cancer. She has merged previous experience in lifestyle related research with her research focus on improving symptoms and lifestyles of cancer survivors. Prior to attending medical school, she received a Ph.D. in Nutrition and has expertise in diet assessment methods and assessing attitudes that influence food choice. She completed medical school at East Tennessee State University as well as training in internal medicine, and specialty training in hematology/oncology. Currently she is a faculty member in the Division of Hematology Oncology at the University of Vermont. She is also the director of the UVM Medical Center's exercise-based Oncology Rehabilitation program. Several exercise studies use the oncology rehabilitation program as a research platform. Dr. Dittus' specific interest in rehabilitation is improving the fitness and function of elderly cancer survivors. She has completed two weight loss studies with breast cancer survivors. She is a COBRE PI and her current weight loss project focuses on identifying predictors of weight loss and exercise success. Results will be used to tailor future weight loss and exercise interventions in order to improve successful weight loss of cancer survivors.

Joseph E. Donnelly, Ed.D.

Dr. Donnelly is a Professor in the Department of Internal Medicine and Director of the Energy Balance Laboratory and Center for Physical Activity and Weight Management, Cardiovascular Research Institute, The University of Kansas Medical Center and The University of Kansas-Lawrence. His research interest is the promotion of physical activity and nutrition to prevent and treat obesity in children, adults and special populations. Dr. Donnelly has completed 10 years of NIH funded investigations of the utility of physical activity for weight loss and currently has a 5 year NIH project to determine the level of physical activity needed to prevent weight regain after weight loss. He is the senior author of the American College of Sports Medicine Position Stand "Appropriate Physical Activity Intervention Strategies for Weight Loss and Prevention of Weight Regain in Adults." Recently Dr. Donnelly has investigated a

variety of remote delivery strategies for physical activity and weight management and is currently using these strategies to improve physical activity and weight management in adolescents and adults with intellectual and developmental disorders. He is the inaugural Editor-in-Chief of the new *Translational Journal of the American College of Sports Medicine*.

Jonathan Foulds, Ph.D.

Dr. Foulds is a Professor of Public Health Sciences and Psychiatry at Penn State University, College of Medicine. After obtaining a first class honors degree in psychology at University of Aberdeen in Scotland, he trained as a clinical psychologist at the University of Glasgow, and then spent most of his career developing and evaluating methods to help smokers beat their addiction to tobacco. He obtained his Ph.D. at the Institute of Psychiatry, University of London and worked at St George's Hospital Medical School as the UK's first "lecturer in tobacco addiction". He then moved to University of Surrey and continued to work as a principal clinical psychologist at Broadmoor Hospital, a large maximum security facility for mentally disordered offenders. He was on the Management Group of the Hungarian Anti-Smoking Campaign (1995-6), has been a technical leader of a World Health Organization project to improve the regulation of tobacco dependence treatment in Europe (2000), and was Director of Research for the UK charity, Quit, which ran the largest telephone helpline for smokers in the world at that time. From 2000-2010 he was the director of the Tobacco Dependence Program (TDP) at the University of Medicine & Dentistry of New Jersey (now Rutgers)–School of Public Health. Although primarily funded for service and training activities, TDP program members published over 90 articles on tobacco during that period. He was a founding member and Vice President of the Association for the Treatment of Tobacco Use and Dependence (ATTUD) 2004-6. In the U.S., he has been a principal investigator on grants totaling well over \$27 million, and has been invited to speak on smoking cessation in over 15 countries. Dr. Foulds acts as a Health Expert on the www.WebMD.com Smoking Cessation Community. He has published over 100 papers on tobacco in peer-reviewed scientific journals and continues to treat addicted smokers, teach on smoking cessation and conduct research on tobacco and health at Penn State College of Medicine in Hershey, PA.

Jean Harvey, Ph.D., R.D.

Dr. Harvey received her Bachelor and Master degrees in Nutrition from Penn State University and her Doctorate in Epidemiology from the University of Pittsburgh Graduate School of Public Health. Her research focuses on obesity prevention in children and behavioral treatments for obesity in adults; specifically, the use of the Internet to deliver behavioral weight control interventions. She is currently funded by National Institutes of Health and the U.S. Department of Agriculture. Dr. Harvey is a University Scholar, a Fulbright Scholar and a Fellow of the Society of Behavioral Medicine and The Obesity Society. She is the founder of the VTrim™ weight loss program, co-author of the Eating Well Diet book, and winner of a James Beard Award in 2008. Dr. Harvey is Professor and Chair of the Nutrition and Food Sciences Department and Professor in the Department of Medicine at UVM.

Deborah S. Hasin, Ph.D.

Dr. Hasin is Professor of Epidemiology in the College of Physicians and Surgeons and the Mailman School of Public Health. She directs the Substance Dependence Research Group at New York State Psychiatric

Institute, and the pre- and post-doctoral Substance Abuse Epidemiology Training Program in the Department of Epidemiology in Mailman. Dr. Hasin's research focuses on studies of alcohol and drug use disorders. She has published over 350 papers. Her studies have been continuously funded since 1990 by the National Institute on Drug Abuse (NIDA), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and other organizations. Dr. Hasin's research areas include the epidemiology of drug, alcohol, and psychiatric disorders; time trends in these disorders; conceptualization and definitions of addiction and substance disorders; and technological enhancements of brief interventions to reduce drinking and drug use in HIV patients. Dr. Hasin is an internationally recognized expert who has participated in World Health Organization studies, served on the National Advisory Council to NIAAA and the DSM-5 Substance Use Disorders Workgroup. Dr. Hasin's recent studies related to marijuana have included time trends in adult marijuana use and marijuana use disorders, the epidemiology of cannabis use disorders in the U.S., and the relationship of medical marijuana laws to adolescent and adult marijuana use, marijuana use disorders, driving after using marijuana, and self-medication with marijuana for depressive and anxiety disorders.

John R. Hughes, M.D.

Dr. Hughes is Professor of Psychiatry, Psychological Science and Family Practice at UVM. Dr. Hughes is board certified in Psychiatry and Addiction Psychiatry. His major focus has been clinical research on tobacco use. Dr. Hughes received the Ove Ferno Award for research in nicotine dependence and the Alton Ochsner Award Relating Smoking and Health. He is a co-founder and past president of the Society for Research on Nicotine and Tobacco and the Association for the Treatment of Tobacco Use and Dependence. Dr. Hughes has been Chair of the Vermont Tobacco Evaluation and Review Board which oversees VT's multi-million-dollar tobacco control programs. He has over 350 publications on nicotine and other drug dependencies and is one of the top 25 most cited tobacco scientists. Dr. Hughes has been a consultant on tobacco policy to the World Health Organization, the U.S. Food and Drug Administration, and the White House. His current research is supported by grants from the U.S. National Institute of Health and pharmaceutical companies. He has received fees from almost all of the companies who develop smoking cessation services, medications and devices and from various public and private organizations who promote tobacco control. He is the Associate Director/Co-PI of the Vermont Center on Regulatory Science at UVM.

Allison N. Kurti, Ph.D.

Dr. Kurti is a postdoctoral fellow at the University of Vermont. Her research interests include behavioral pharmacology, choice, and the development of behavioral interventions to improve human health, with a focus in particular on promoting abstinence from cigarette smoking and increasing physical activity. At UVM, Dr. Kurti's research currently emphasizes promoting cessation of tobacco use among socioeconomically disadvantaged pregnant women. She is also spearheading efforts to promote smoking in opioid-dependent pregnant women, a population in which most smoking cessation interventions to date have been largely ineffective. Alongside her treatment-based research, Dr. Kurti also conducts research with implications for tobacco regulatory science via her participation in a working group focused on tobacco use in vulnerable populations. Prior to her postdoctoral training at UVM, Dr. Kurti received her undergraduate degree from Wake Forest University and her master and

doctoral degrees from Villanova University and University of Florida, respectively. Dr. Kurti's future research goals involve designing and disseminating innovative, technology-based behavioral interventions to high risk and historically underserved populations.

Pratibha Nayak, Ph.D.

Dr. Nayak has contributed to research aiming to prevent health-related risk behaviors in vulnerable populations. Her research centers on examining risk perception, marketing practices, and Electronic Nicotine Delivery Systems use among young adults and vulnerable populations to inform tobacco regulation and cancer prevention efforts. Currently her research at Georgia State University (GSU)-Tobacco Center of Regulatory Science, focuses on the risk perceptions of, decision making around, and intentions to use electronic cigarettes among adults with her current projects exploring smokers' regret, risk perceptions, novel tobacco product use, and the disparities in these across racial/ethnic and low socioeconomic subpopulations. She obtained a Ph.D. in Public Health from the Department of Behavioral Sciences at the University of Texas Health Science Center at Houston and a Master degree in Public Health from the Rollins School of Public Health at Emory University. Prior to joining GSU, she served as a program manager at the University of Texas MD Anderson Cancer Center and as a research assistant at the American Cancer Society. She has published in peer-reviewed journals focused on tobacco, public health, cancer survivorship, quality of life, racial disparity and health behaviors.

Samia D. Noursi, Ph.D.

Dr. Noursi is currently the Deputy Coordinator for the Women and Sex/Gender Differences Research and Project Officer at the National Institute on Drug Abuse (NIDA), with a portfolio that focuses on sex/gender differences in the antecedents and consequences of drug abuse, study of vulnerability to drug abuse, and study of the behavioral effects of prenatal exposure to drugs. Dr. Noursi received her Ph.D. in Applied Developmental Psychology from the University of Maryland in 1995. Upon graduation, she was awarded a Post-Doctoral fellowship at NICHD during which she led a longitudinal study on the effects of domestic violence on children's development. She then moved to work on several projects focused on children's development among them directing research for the National Child Welfare Resource Center on Legal and Judicial Issues at the American Bar Association Center on Children and the Law, a position she held before she joined NIDA in 2006.

Julie Phillips, M.D.

Dr. Phillips has been a Project Director within the VCBH since its inception. She studies gestational weight gain and obesity in pregnancy with the aim of improving pregnancy outcomes, and decreasing postpartum weight retention and childhood obesity. After graduating from medical school at the University of Vermont she completed her residency training in Obstetrics and Gynecology at Johns Hopkins Hospital and fellowship in Maternal Fetal Medicine at Fletcher Allen Health Care (now the University of Vermont Medical Center). She is an assistant professor in the Department of Obstetrics, Gynecology, and Reproductive Sciences at the University of Vermont Medical Center.

Chad Reissig, Ph.D.

Dr. Reissig is the Addiction Branch Chief at FDA's Center for Tobacco Products. He previously served as a pharmacologist with the Controlled Substance Staff at FDA's Center for Drug Evaluation and Research. His research interests include behavioral pharmacology with an emphasis on tobacco products and other drugs of abuse. As the Addiction Branch Chief, Dr. Reissig oversees a multidisciplinary team of behavioral and clinical pharmacologists in the review of tobacco product marketing applications including ITPs, SEs, MRTPs, and PMTAs. Dr. Reissig is also involved in guidance and regulation development, and research involving tobacco products, including the behavioral effects of nicotine, flavor ingredients and other product design features. Prior to entering into public service, Dr. Reissig received his Ph.D in Pharmacology and Toxicology from the University at Buffalo and completed his postdoctoral training at the Behavioral Pharmacology Research Unit at Johns Hopkins University.

Randi Schuster, Ph.D.

Dr. Schuster received her Ph.D. in Clinical Psychology from the University of Illinois at Chicago and completed her clinical pre-doctoral and post-doctoral fellowships in Neuropsychology at Massachusetts General Hospital (MGH) and Harvard Medical School. She currently serves as the Director of Neuropsychology at the MGH Center for Addiction Medicine. She is the recipient of the Norman Zinberg Fellowship in Addiction Psychiatry and the Livingston Fellowship from Harvard Medical School as well as the Louis V. Gerstner III Research Scholar Award from MGH. Dr. Schuster's current area of research is based out of Boston-area high schools and is focused on examining the impact of early substance use, namely cannabis use, on learning and academic achievement in youth. Her current research program aims to 1) examine the utility of contingency management interventions in promoting cannabis abstinence, 2) define the time course of recovery in cognitive deficits during 30 days of cannabis abstinence, and 3) highlight the genetic and phenotypic mediators of increased vulnerability to cognitive deficits among adolescent substance users with mental health co-morbidities (e.g., ADHD).

Mishka Terplan, M.D., M.P.H.

Dr. Terplan is board certified in both obstetrics and gynecology and in addiction medicine. His clinical, research and advocacy interests lie along the intersection of reproductive and behavioral health. He attended medical school at the University of California, San Francisco, residency at the University of Southern California, and completed a research fellowship at the University of North Carolina, Chapel Hill. Currently he is the Medical Director of Behavioral Health System Baltimore (BHSB), the non-profit agency that oversees Baltimore's behavioral health care system, interim Medical Director of the Maryland State Opioid Treatment Authority, and adjunct faculty in Epidemiology and Public Health at the University of Maryland School of Medicine. He has published over 60 peer-reviewed articles and represents both ACOG (American Congress of Obstetricians and Gynecologists) and ASAM (American Society of Addiction Medicine) on various federal taskforces and committees. In January he will be leaving Baltimore and joining the faculty at VCU in Richmond as Professor in both Obstetrics and Gynecology and Psychiatry and serve as the Associate Director of Addiction Medicine.

Denise D. Walker, Ph.D.

Dr. Walker is a Research Associate Professor at the School of Social Work at the University of Washington, the Director of the Innovative Programs Research Group and a licensed clinical psychologist. She received her Ph.D. in Clinical Psychology from the University of New Mexico in 2001. She has been a member of the Motivational Interviewing Network of Trainers since 2001. Dr. Walker's expertise is in the field of addictive behaviors. Her research focuses on the development, testing and implementation of interventions to promote change with a specific emphasis and expertise in Motivational Interviewing interventions, treating marijuana disorders for both adolescents and adults, and military populations. She, along with her colleagues Drs. Roger Roffman and Robert Stephens have been involved in the development and evaluation of the Teen Marijuana Check-Up for over a decade, a school-based intervention designed to elicit self-referral by heavy using adolescents. The Teen Marijuana Check-Up has been the focus of four clinical trials and is identified as an "Evidence Based" intervention on the Washington State Institute for Public Policy's inventory of evidence-based practices. Dr. Walker has also conducted trials with adults who are marijuana dependent including the development and evaluation of an aftercare Motivational Enhancement Therapy, computerized treatments and a study that examined within session client language as it related to treatment outcomes. In addition to involvement in 9 randomized trials focused on marijuana interventions, Dr. Walker has published multiple papers on marijuana and has presented her work internationally as well as across the United States.

George S. Wang, M.D.

Dr. Wang completed his pediatric residency and pediatric emergency medicine fellowship at Children's Hospital Colorado/University of Colorado, Anschutz Medical Campus. He then completed his medical toxicology fellowship at the Rocky Mountain Poison and Drug Center. He is currently is an Assistant Professor of Pediatrics at Children's Hospital Colorado. Dr. Wang has served on several advisory committees at the Colorado Department of Public Health and Environment, and has published studies evaluating the impact of marijuana legalization on the pediatric population.

Mark A. Ware, M.D.

Dr. Ware is Associate Professor in Family Medicine and Anesthesia at McGill University. He is the Director of Clinical Research of the Alan Edwards Pain Management Unit at the McGill University Health Centre, co-Director of the Quebec Pain Research Network, Executive Director of the non-profit Canadian Consortium for the Investigation of Cannabinoids (CCIC) and chair of the International Association for Cannabinoids Medicines (IACM). He practices pain medicine at the Montreal General Hospital and at the primary care pain clinic of the West Island of Montreal. Dr. Ware's primary research interests are in evaluating the safety and effectiveness of medicines derived from cannabis (cannabinoids), population-based studies of the impact of pain on the population, and the role of complementary therapies in pain and symptom management. His research is funded by the *Fonds de la recherche en santé du Québec* (FRSQ), Canadian Institutes of Health Research (CIHR), and the Louise and Alan Edwards Foundation. A graduate of the University of the West Indies (MBBS 1992), Dr. Ware worked at the Medical Research Council, Sickle Cell Unit in Kingston Jamaica from 1996-1998 where he developed his interests in pain management and cannabis therapeutics. He moved to McGill University in Montreal, Canada in 1999

and since then has secured the only two Canadian federal grants to study medical cannabis. He has published over 70 papers on pain and cannabis, 6 book chapters, and given over 150 scientific talks to local, national and international audiences. He has served as an advisor to the Canadian government since 2001 on medical cannabis policy.

Susan Weiss, Ph.D.

Dr. Weiss is the Director, Division of Extramural Research at the National Institute on Drug Abuse, which oversees NIDA's extramural programs, research training activities, operations planning, and trans-NIH initiatives, such as the Adolescent Brain Cognitive Development (ABCD) study. Dr. Weiss also serves as a senior science advisor to the NIDA Director and as scientific liaison to other federal agencies. In her 14 years at NIDA, Dr. Weiss previously served as the Chief of the Science Policy Branch and Acting Director of NIDA's Office of Science Policy and Communications. Before coming to NIDA, Dr. Weiss was the Senior Director of Research at the National Mental Health Association (now Mental Health America), and previously she directed a translational research program that studied the evolving nature of psychiatric and neurologic illnesses in the Biological Psychiatry Branch of the National Institute of Mental Health. Dr. Weiss has received multiple awards, including NIH Plain Language Awards, NIH and NIDA Director's Awards, and an Emmy Award for her contributions to the HBO Addiction Project. Dr. Weiss has published more than 150 scientific articles and book chapters. She graduated from the State University of New York at Stony Brook, and received her Ph.D. in Psychology from the University of Maryland.

Larry Wolk, M.D., M.S.P.H.

Dr. Wolk is Executive Director and Chief Medical Officer for the Colorado Department of Public Health and Environment. Since joining the department in September 2013, Dr. Wolk's mission has been to simplify the health system for the citizens of Colorado and to position the department as the leader in providing evidence-based health and environmental information. During his tenure, he has overseen flood recovery, a federal shutdown, and the promulgation of the nation's first air quality rules specific to methane reduction for oil and gas operations. His new frontier is addressing the myriad issues surrounding medical and retail marijuana. Before coming to the department, Dr. Wolk served as Chief Executive Officer of CORHIO, Colorado's nonprofit health information exchange. He was an executive with Correctional Healthcare Companies, Blue Cross/Blue Shield of Colorado, Prudential Healthcare of Colorado, and CIGNA Healthcare. In 1996, Dr. Wolk founded the Rocky Mountain Youth Clinics, one of Colorado's largest safety net clinics and a national model for providing care to the uninsured. He continues to practice medicine there. Dr. Wolk has received many honors, including Colorado Pediatrician of the Year, Denver Business Journal Healthcare Executive of the Year, and the 7News Denver Everyday Hero award. The Colorado Department of Public Health and Environment provides high-quality, cost-effective public health and environmental protection services. The department plays a critical role in providing education to Colorado's citizens so they can make informed choices. In addition, the department is charged with identifying and responding to emerging issues that could affect Colorado's health and environment.