

CURRICULUM VITAE

William R. Lovallo, Ph.D.

I. Personal Data

a. Vital Statistics

Birthdate, Place: November 16, 1946; Newark, New Jersey
Citizenship: U.S.A.

b. Contact Information

Home: 825 NW 7th Street
Oklahoma City, OK 73106

Tel: 405.820.8834

Business: Behavioral Sciences Laboratories (151A)
VA Medical Center
921 Northeast 13th Street
Oklahoma City, OK 73104

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II. Education

Ph.D. University of Oklahoma
Health Sciences Center
Department of Psychiatry and Behavioral Sciences
Biological Psychology, December 1978

M.A. University of Colorado
Department of Psychology
Experimental Psychology, May 1970

A.B. University of California at Los Angeles
Psychology, May 1968

NCBI, NIH Biosketch at:

<http://www.ncbi.nlm.nih.gov/myncbi/william.lovallo.1/cv/31533/>

III. Postgraduate Training

Research Associate, VA Medical Center, Oklahoma City, OK, 1979-1982

IV. Academic Appointments

a. VA Appointments, Oklahoma City VAMC:

Senior Research Career Scientist, 2014-present.

Research Career Scientist, 2004 - 2014.

Associate Research Career Scientist, 1987 - 2004.

Associate Chief of Staff for Research (interim), 1991-1992.

Director, Behavioral Sciences Laboratories, 1986 - present.

Assistant Director to Acting Director, Behavioral Sciences Laboratories, 1979-1986.

Research Health Science Specialist, Behavioral Sciences Laboratories, 1982–1998.
Research Associate in Psychology, Behavioral Sciences Laboratories, 1979–1981.
Research Psychologist, Behavioral Sciences Laboratories, 1974–1979, 1999–present.
Research Assistant, Behavioral Sciences Laboratories, 1973–1974.

b. Non-VA Appointments and Other Professional Experience:

Professor of Psychiatry and Behavioral Sciences, University of Oklahoma Health Sciences Center, 1991–present.
Professor of Psychiatry and Psychology, Rush-Presbyterian-St. Lukes Medical Center, Chicago IL, 1994 – 1999.
Professor of Psychology and Social Sciences, Rush-Presbyterian-St. Lukes Medical Center, Chicago IL, 1994 – 1999.
Associate Director, Research Network on Mind-Body Interactions, John D. and Catherine T. MacArthur Foundation, Chicago IL, 1994 – 1999.
Adjunct Assistant to Associate Professor of Psychiatry and Behavioral Sciences, OUHSC, 1979 – 1991.

V. Certifications

None

VI. Professional Affiliations and Activities

a. Departmental:

Biological Psychology Faculty, Department of Psychiatry and Behavioral Sciences, OUHSC, 1979–2009.
Executive Committee and Research Staff, Center for Alcohol and Drug Related Research, Department of Psychiatry and Behavioral Sciences, OUHSC, 1985–2007.
Executive Council, Department of Psychiatry and Behavioral Sciences, OUHSC, 2000–2003.
Chairman, Research Council, Department of Psychiatry and Behavioral Sciences, OUHSC, 1982–1985, 1991–1992.
Member, Advisory Council, Department of Psychiatry and Behavioral Sciences, OUHSC, 1982–1983.

b. Health Sciences Center:

Member, College of Medicine Review Panel, faculty small grant applications, College of Medicine, 1983.
Member, Research Committee of the Graduate College, 1985 –1988.
Member, Board of Directors, Oklahoma Center for Neuroscience, 2003–present.
Member, General Clinical Research Center, Advisory Committee, 2004-2011.
Member, Advisory Committee, Cancer Health Disparities Program, Works in Progress working group, Peggy and Charles Stephenson Cancer Center, 2012-2013.
Member, Institutional Review Board, OUHSC, 2013 to 2016.

c. VA, DOD, and NIH Committees:

VA Committees – Local

Chairman, Research and Development Committee, Oklahoma City Veterans Administration Medical Center, 1988–1990, 2005–2006, 2012-2014.
Vice Chairman, Research and Development Committee, Oklahoma City Veterans Administration Medical Center, 1987–1988.

Chairman, Categorical Review Committee in Behavioral Sciences, 1985 – 1992.
Member, Animal Studies Subcommittee of the Research and Development Committee, 1985 - 1989.
Member, Categorical Review Committee in Behavioral Sciences, Veterans Affairs Medical Center 1979 -1984.

VA Committees – National

Ad hoc reviewer, Merit Review Board in Mental Health and Behavioral Sciences 1987, 1988, 1991, 1997, 1999.
Program Specialist in Behavioral Sciences, Merit Review Board for Mental Health and Behavioral Sciences, 1991-1997.
Reviewer, Collaborative Research and Training with Historically Black Colleges and Universities, 2001-2004.
Reviewer, Special Emphasis Review Group on Alcoholism and Neuroimaging Techniques, September 2004.
Reviewer, Neurology A Merit Review Board, 2008, 2005-2014.
Reviewer, VA VISN 16 career development award, 2009.
Reviewer, national applications for Research Career Scientist appointments, Biomedical Laboratory R&D and Clinical Science R&D services, 2014, 2015.

National Institutes of Health and Department of Defense

NIH, NHLBI, Cardiovascular Reactivity Protocol Advisory Committee, 1988-1991.
NIH, DRG, Behavioral Medicine Study Section, 1988-1992.
NIH, Panelist on Intellectual Capital, Fourth Regional Meeting on the Framework for Discussion of Strategies for the NIH, Washington University Medical School, St. Louis, 1992.
NIH, NHLBI, Program Project review, Site Visitor, 1993.
NIH, NHRP, General Clinical Research Center review, Site Visitor, 1995.
NIH, NLM, Consultant to the National Library of Medicine – National Institutes of Health exhibit on the history of emotions and disease. Advised on content and focus of display at the National Library of Medicine, 1996-1997.
NIH, OBSSR, special emphasis panel on Mind-Body Center Grants, 1999.
DOD, Member U.S. Army Detection of Deception Peer Review Panel, 1999-2007.
NIH, NIA, Member, Advisory Committee on health, behavior, and aging, 2000.
NIH, DRG, MESH study section, Ad Hoc reviewer, 2005, 2006.
NIH, DRG, APDA study section, Ad Hoc reviewer, 2006.
NIH, NIA, Program Project review, Site Visitor, 2000, Special Review Panels, 2006, 2007, 2008.
NIH, DRG, NCCAM, special emphasis panel on Mind-Body Infrastructure initiative, 2007.
NIH, CSR, Health Behavior and Risk Prevention, Ad Hoc reviewer, 2007, 2008.
NIH, CSR, ZRG1 BBBP-D52 special emphasis panel on ARRA Area Grants, 2009.
NIH, CSR, ZRG1, RPHB-K, special emphasis panel on Behavioral and Social Science Research on Understanding and Reducing Health Disparities, 2008, 2009, 2010.
NIH, CSR, ZRG1, RPHB-C, Member Conflict: Intervention and Addictions, 2010.
NIH, CSR, ZRG1, F12B-J (20) Fellowships: Psychopathology, Developmental Disabilities, Stress and Aging, 2008, 2009, 2010.
NIH, NCI, Special workshop on “The Complex Patient, Park City, Utah, June 13 & 14, 2011.
NIH, CSR, MESH study section, chartered member, 2010 – 2014. Chair 2011 – 2013.
NIH, CSR, NICHD ZHD1 DRG-D (13) special emphasis panel, April 2015.
NIH, CSR, ZRG1, PSE-D (51), ABCD research project applications panel, July 2015.

NIH, CSR, HLBP 2, Behavior and Heart Disease, SBIR panel, August 2016.
NIH, NIAAA, NCANDA ZA1 CC (01), February 27, 2017.

VII. Other Professional Activities

a. National and International Committees, Professional Societies:

Committee on Methodological Guidelines for Impedance Cardiography, Society for Psychophysiological Research, 1987-1990.
American Psychological Society Summit Meeting of Scientific Psychological Societies, representative from the Society for Psychophysiological Research, 1989.
The Concerted Action on Breakdown in Human Adaptation 1. Quantification of Parameters, Commission of the European Communities Medical and Public Health Research Programme, Amsterdam, The Netherlands, October 1987.
Stress markers research group: Pilot study on life stress and neuroendocrine measures of stress. This group is advisory to the NIH, multicenter, national Women's Health Initiative. Planned studies of neuroendocrine measures of stress applicable to epidemiological studies, 1995.
John D. & Catherine T. MacArthur Foundation, Research Network on Socioeconomic Factors and Health, Allostatic Load Working Group, consultant on design of studies on markers of life stress, 1996.
Laureate Institute for Brain Research, Consultant to Scientific Advisory Committee, 2012.
Society for Psychophysiological Research, ad hoc committee on the Place of Psychophysiology in the Biobehavioral Sciences, 2000 – 2001.
American Psychosomatic Society;
Program Committee Chair, 2000 – 2001
Council Member, 2001 – 2003
Finance Committee Chair, 2004 – 2005
Executive Committee, 2006 – 2008
President Elect, 2006 – 2007
President 2007 – 2008
Past President 2008 – 2009
MacLean Award Committee 2010-present
MacLean Travel Awards and Program submission reviewer 2010-present
International Organization of Psychophysiology, scientific committee
12th World Congress, Thessalonica, Greece, 2003-2004
13th World Congress, Istanbul, Turkey, 2005-2006.
14th World Congress, St. Petersburg, Russia, 2007-2008
15th World Congress, Budapest, Hungary, 2009-2010
Research Society on Alcoholism
Program Committee member, 2014-2015.

b. Editorial and Reviewing Services, National Committees, Professional Societies, and Journals:

Program committee reviewer for national meeting, Society of Behavioral Medicine, 1987, 1990, 1991, 2001.
Track chair, Biobehavioral Mechanisms, for national meeting, Society of Behavioral Medicine, 1989.
Member, Peer Review Board, National Council on Alcoholism, 1977.
National Research Council of Canada, external referee, 1991.

Thomas F. and Kate Miller Jeffress Memorial Trust, ad hoc reviewer, 1999.
Chicago Alzheimer's Disease Association, ad hoc reviewer, 1999.
U.S. Department of Defense, ad hoc reviewer, 1999, 2000.
Member, Advisory Committee, *Encyclopedia of Health and Behavior*, 2001-2002.
Neurosciences and Mental Health Board (t-NMHB), reviewer for the Medical Research Council of the UK, 2008.
Swiss National Science Foundation, reviewer for an application for a professorship, 2009.
Cochrane Injuries Group, reviewed systematic review of injuries and caffeine use in sleep deprivation, UK, 2010.
The Netherlands Organisation for Scientific Research, Department of Social Sciences, reviewer for a research project, 2012.
Swiss National Science Foundation, reviewer for a research project, 2014.

Associate Editor or Editorial Board Member:

Biological Psychology Bulletin, 1974 – 1975
International Journal of Psychophysiology, 1988 – 1991; 2002 – present
Editor, Special Issue on Cortisol and the Addictions, March 2006
International Journal of Behavioral Medicine, 1999 – 2006
Annals of Behavioral Medicine, 2000 – 2006
Psychosomatic Medicine, 1996 – present

Reviewer:

<i>Acta Psychiatrica Scandinavica</i>	<i>Genes, Brain and Behavior</i>
<i>Addiction Biology</i>	<i>Health Psychology</i>
<i>Alcohol</i>	<i>Human Brain Mapping</i>
<i>Alcoholism: Clinical and Experimental Research</i>	<i>Hypertension</i>
<i>American Journal of Drug and Alcohol Abuse</i>	<i>International Journal of Environmental Research and Public Health</i>
<i>American Journal of Psychiatry</i>	<i>International Journal of Psychiatry in Medicine</i>
<i>Annals of Behavioral Medicine</i>	<i>International Journal of Psychophysiology</i>
<i>Archives of Environmental and Occupational Health</i>	<i>JAMA</i>
<i>Archives of General Psychiatry</i>	<i>Journal of Abnormal Psychology</i>
<i>Behavioural Processes</i>	<i>Journal of Applied Social Psychology</i>
<i>Biofeedback and Self Regulation</i>	<i>Journal of Behavioral Medicine</i>
<i>Biological Psychology</i>	<i>Journal of Cardiovascular Pharmacology</i>
<i>Biological Psychiatry</i>	<i>Journal of Clinical Psychology</i>
<i>Biology of Mood & Anxiety Disorders</i>	<i>Journal of Human Hypertension</i>
<i>Brain Sciences</i>	<i>Journal of Nervous and Mental Disease</i>
<i>British Journal of Sports Medicine</i>	<i>Journal of Neuroscience</i>
<i>British Journal of Health Psychology</i>	<i>Journal of Personality and Social Psychology</i>
<i>Child Development</i>	<i>Journal of Psychiatric Research</i>
<i>Circulation</i>	<i>Journal of Psychophysiology</i>
<i>Cognition & Emotion</i>	<i>Journal of Psychopharmacology</i>
<i>Developmental Cognitive Neuroscience</i>	<i>Journal of Rehabilitation Research and Development</i>
<i>Drug and Alcohol Dependence</i>	<i>Journal of Social Behavior and</i>
<i>Emotion</i>	

Personality
Journal of Studies on Alcohol and Drugs
Life Sciences
Molecular Psychiatry
Neurobiology of Learning and Memory
Neuroimage
Neuropsychiatry
PLOS ONE
Proceedings, National Academy of
Sciences
Psychiatry Research

Psychological Bulletin
Psychological Science
Psychology & Health
Psychoneuroendocrinology
Psychopharmacology
Psychophysiology
Psychosomatic Medicine
Scandinavian Journal of Psychology
Science
Stress and Health

c. Educational Activities:

Department of Psychiatry and Behavioral Sciences, OUHSC

Course Coordinator, Proseminar in Medical/Health Psychology (PSBS 6240), Biological Psychology, 1985 to 2002. Supervision of course, Coordination of instructors, 26 hours of lecture.

Instructor, Advanced Seminar in Medical Health Psychology (PSBS 6830), Biological Psychology, 1988, 1990, 1992.

Course Coordinator, Seminar in Stress Neurobiology and Health, (PSBS 6970), Biological Psychology, every semester 1992 to 2003.

Instructor, Proseminar in Cognitive Psychology, fall 1980, 30 hours of lecture.

Course Coordinator, Strategies of Scientific Research (PSBS 5332), 1990 to 1992. (Developed the course.)

Guest Lecturer, "The role of systems theory and thought in advancing human knowledge." Behavioral Intervention Research III, spring 1987, 2 hours of lecture.

Guest Lecturer, Neuroscience and Systemic Physiology (BMSC 6102), central neurobiology of the emotions, Graduate Program in Biomedical Sciences, 3 hours of lecture.

Chairman, Program Review Committee, charged with comprehensive review of Biological Psychology Program, 2001.

Other Departments, OUHSC

Guest Lecturer, Therapeutic Exercise III, fall, 1982, Department of Physical Therapy, College of Allied Health.

Instructor, Clinical Exercise Physiology (PHYO 5873), 1990, 1992, 2.5 hours of lecture; Department of Physiology, College of Medicine.

Lecturer, Neurobiology (GPiBS 6102), Spring 2002, 3 hours of lecture; combined Graduate Program in Biomedical Sciences, Graduate College.

Lecturer, Medical Neuroscience, 2002, 1.0 hour of lecture; 2003 – 2006, 2 hours of lecture, OUHSC Medical School, College of Medicine.

Course Coordinator, Foundations in Behavioral Neuroscience, (OCNS6403), Oklahoma Center for Neurosciences, Spring 2011.

Other Teaching Activities, OUHSC

Laboratory Supervision, Biological Psychology Graduate Students, 1980 to 2004.

Advisor to Child Psychiatry Fellows on conduct of required research, 1984.

Directed Readings and Special Projects, Biological Psychology Graduate Students, 1980 to 2004.

Postdoctoral mentorship, Behavioral Sciences Laboratories, 1985–2012.

Advisor to young investigators, Stephenson Cancer Center, 2012.

d. Professional Service to the Community:

Senior Staff, Paseo Center–New Dimensions Drug Abuse Counseling Center, 1970-1978.

Member, Board of Directors, Paseo Center and New Dimensions, 1971-1974.

Director of Volunteer Training, Paseo Center and New Dimensions, 1973-1975.

Addresses to local civic organizations on "The problem of drug abuse: symptoms, causes, prevention, coping," approximately 30 speaking engagements, 1972-1974.

Member, Citizens Advisory Board, Red Rock Transitional Living Facility, 1983 - 1993.

Interviewed prospective students for the Oklahoma School of Science and Mathematics, 1996-present.

Mentored Oklahoma School of Science and Mathematics interns in laboratory, 1992-present.

Moderator, Neuro Night, *Stress and Health*. Evening presentation to the public on topics in the neurosciences, Oklahoma Center for Neurosciences. November 21, 2000.

Moderator, Neuro Night, *Alcohol, Drugs, Your Brain, and You*. Evening presentation to the public on topics in the neurosciences, Oklahoma Center for Neurosciences. October 15, 2001.

Presenter, Neuro Night, *Emotions and the Brain*. Evening presentation to the public on topics in the neurosciences, Oklahoma Center for Neurosciences. January 20, 2004.

Presenter, Neuro Night, *The Brain and Anxiety*. Evening presentation to the public on topics in the neurosciences, Oklahoma Center for Neurosciences. February 15, 2005.

Member, State of Oklahoma ABLE Commission's Panel on the Safety of Alcohol Energy Drinks, 2010-2011.

Consultant to Advisory Board, Laureate Institute for Brain Research, Laureate Psychiatric Institute and Warren Foundation, Tulsa Oklahoma, 2012-2013.

Judge, American Bar Association Student Division, National Client Counseling Competition, University of Oklahoma School of Law, 2014.

VIII. Scientific Societies

American Association for the Advancement of Science

American Heart Association

American Psychological Association

Association for Psychological Science

Association of Medical School Professors of Psychology

Federation of Behavioral, Psychological, and Cognitive Sciences

International Organization of Psychophysiology

American Psychosomatic Society

Society for Psychophysiological Research

Society of Behavioral Medicine

The Society of the Sigma Xi

IX. Awards, Honors

University

Biological Science Stipendiary in Biological Psychology, Department of Psychiatry and Behavioral Sciences, OUHSC, 1972 -1973.

Award for excellence in classroom teaching Biological Psychology, Graduate Student Association in Biological Psychology, OUHSC, 1986, 1993, 1999.

Letter of Commendation, University of Oklahoma Board of Regents, September, 1987.

Honored Lecturer in Biological Psychology, Biological Psychology Doctoral Program, OUHSC, 1991. Honors distinguished Program graduates.
Provost's Award for outstanding contributions to Research Development, OUHSC, 1991.
Regents' Award for Superior Accomplishment in Research and Creative Activity, 2002.

Other Professional

Fellow, Society of Behavioral Medicine, 1992-2007.
Fellow, International Organization of Psychophysiology, 1989-Present.
Fellow, American Psychological Association, Division 38, Health Psychology, 1997-2007.
Elected Fellow, Academy of Behavioral Medicine Research, 1997-Present.
Nancy and Laurence Golden Lecturer in Mind-Body Medicine, SUNY Buffalo, October 2002.

Others

American Men and Women of Science.
Who's Who in the Biobehavioral Sciences.
Who's Who in Science and Engineering.
Who's Who in the United States.
Outstanding People of the 20th Century.

X. Areas of Research Interest

a. Consequences of alcohol abuse and risk factors for alcohol use disorders.

Alcohol use disorders are the most prevalent of the addictive disorders. We currently have limited understanding of personal risk factors and the individuals who are at greatest risk. We have conducted studies of physiological alterations associated with alcohol dependence. These show functional cardiovascular differences between abstinent alcohol dependent subjects and age matched social drinking controls. In particular, there are differences in blood pressure regulation possibly related to alcohol-induced hypertension that cause abnormal rises in blood pressure to challenges such as isometric handgrip. In contrast to physiological stressors, such as handgrip, alcohol dependent volunteers have normal to attenuated cardiovascular responses to psychological stressors, such as mental arithmetic and simulated public speaking. This is especially visible in reduced heart rate change. A related finding is that cortisol response to a wide range of stressors is reduced or absent in recovering alcohol dependent volunteers. The extent to which these alterations are a consequence of heavy alcohol exposure or represent preexisting differences remains to be determined. For this reason, we have undertaken a large, long-term study of nonabusing offspring of families with evidence of alcohol use disorders titled the Oklahoma Family Health Patterns Project. This will provide information about familial risk factors and psychophysiological alterations associated with them independent of the consequences of heavy drinking.

b. Stress reactivity and early life adversity.

As an outgrowth of the OFHP listed above, we have acquired a very large cohort of healthy young adults on whom we have stress response data. Since the stress field has long focused on persons with large stress responses as a potential predictor of disease, we carried out a systematic analysis of our heart rate and cortisol data to determine which variable was most predictive of large and small responses. We discovered that persons exposed to adversity in childhood and adolescence, including physical and sexual abuse and separation from parents, predicted small stress responses. In addition, this explained the source of small stress reactivity in the OFHP subjects with a family history of alcoholism because persons with a positive family

history have much higher levels of adversity. Finally, in the high adversity persons with a positive family history of alcoholism we have seen an earlier age at first drink (< 15 years), greater experimentation with drugs, and a higher body mass index, all indicators of poorer regulation of intake behaviors and a higher risk of alcoholism. We are extending this by starting a Gene x Environment analysis on our cohort to examine genetic vulnerabilities to early life adversity.

XI. Current Research Projects

a. Psychophysiological Precursors of Alcohol and Other Substance Abuse:

Persons with a positive family history of alcohol and drug abuse are themselves at high risk for future substance use disorders. In particular, individuals at highest risk may show physiological response alterations indicative of altered central nervous system activity in response to emotionally relevant, motivationally laden information. This work employs tasks that evoke anxiety and acute negative affect to probe these reactivity differences in family history positive and negative young adults. As noted above, we have begun to use deficient stress reactivity to probe differences in our family history groups in relation to early life adversity and genotype.

b. Neuroimaging of Structure and Functional Relationships in Persons with a Family History of Alcohol Abuse:

Persons volunteering for the project above are also asked to volunteer for a neuroimaging study. FH+ and FH- persons are being compared on brain structure using high-resolution magnetic resonance imaging and diffusion tensor imaging. They are also being compared for regions of brain activation seen during cognitive and emotionally evocative tasks that activate specific areas of the limbic system and prefrontal cortex.

c. Stress Hormone Effects on Central Nervous system Processes:

Stress hormones, especially cortisol, readily enter the central nervous system and exert effects on active feedback sites on critical limbic system and diencephalic areas. These include, the amygdala, hippocampus, and hypothalamus, among others. The potential for hormones such as cortisol to modify central activation, emotional activity, and cognition deserves further study since these functions are all critical during times of increased emotional stress. This work uses a combination of traditional endocrine measures along with measures of startle eyeblink response and subjective reports.

XII. Grants & Contracts

a. Active Support:

Research

Principal Investigator, National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism, AA12207, "Oklahoma Family Health Patterns: A study across generations," 2008-2013, \$1,889,862. Supplement, \$35,000.
2014-2019, \$2,645,000.

Career Development

Senior Research Career Scientist, Veterans Affairs, Career Development Award, 2014-2021, \$1,254,705.

b. Past Support:

Department of Veterans Affairs

Coinvestigator, Merit Review Project, "Analysis of Cognitive Functioning in Psychopathology,"

1975-1985, \$602,136.

Principal Investigator, Career Development Award, Research Associate in Psychology, "Autonomic and Behavioral Correlates of Type A Coronary-Prone Behavior Pattern in Young Men," 1979-1981, \$89,729.

Principal Investigator, Regional Advisory Group (RAG) award, "Request for High Performance Liquid Chromatography (HPLC) System," 1983, \$15,000.

Program Specialist in Behavioral Sciences, Merit Review Board for Mental Health and Behavioral Sciences, 1991-1997, \$66,000. Office support.

Principal Investigator, Merit Review Award, "Type A Behavior, Coronary Heart Disease, and Autonomic Reactivity," 1981 - 1987, \$522,500.

Principal Investigator, Merit Review Award, "Behavioral and Physiological Precursors of Cardiovascular Diseases," 1987 - 1991, \$337,917.

Principal Investigator, "Psychophysiological Precursors of Alcoholism," VA Merit Review application, 2001-2005, \$553,600 (reduced to \$353,600 to avoid overlap with NIH funding).

Principal Investigator, VA Merit Review, CX000252, "Neuroimaging in the Oklahoma Family Health Patterns Project," 2005-2009, \$550,000; 2010-2014, \$600,000.

Research Career Scientist, Veterans Affairs, Career Development Award, 1987 - 1992, \$296,532; 1992-1999, \$697,000; 1999-2004, \$628,425; 2004-2009, \$780,000; 2009-2014, \$845,000.

Foundations

Principal Investigator, Laureate Foundation of Tulsa, "Equipment to Support an Anxiety Clinic and Laboratory," 1990-1991, \$87,500.

Co-Principal Investigator with Andrea King and Oscar Parsons, Presbyterian Health Foundation, Individual Clinical Research Grant, "Mechanisms of Cardiovascular Dysregulation in Abstinent Alcoholics," 1990-1992, \$35,263.

Principal Investigator, The John D. and Catherine T. MacArthur Foundation, "Pituitary-Adrenocortical and Cardiovascular Reactivity to Extended Mental and Social Stressors: The Role of Repressive-Defensive Coping Style," 1994-2000, \$266,417. Direct costs.

Principal Investigator, The John D. and Catherine T. MacArthur Foundation, "Development and testing of an ambulatory impedance cardiograph monitor," 1995-2000, \$81,500. Direct costs.

Principal Investigator, Alcoholic Beverage Medical Research Foundation, "Psychophysiological precursors of alcoholism," 2000-2002, \$80,000. (Year 2 of support declined to accept VA funding.)

Principal Investigator, Oklahoma Center for the Advancement of Science and Technology, "Psychophysiological precursors of substance abuse," 2000-2003, \$135,000. (Years 2-3 of support declined to accept VA and NIH funding.)

National Institutes of Health

Sponsor, NIDA Individual Predoctoral NRSA, Nancy C. Bernardy, "Cardiovascular and endocrine dysregulation in abstinent alcoholics," 1991-1994, \$33,000.

Sponsor, National Institutes of Health, National Heart Lung and Blood Institute, Minority Research Training Supplement to "Caffeine influences on exercise and psychological stress" for Abe Marrero, 1991-1995, \$98,245.

Sponsor, Individual Predoctoral NRSA, Tony Buchanan, National Institute of Mental Health, Division of Neuroscience and Behavioral Science, "Adrenocortical Effects on Information

- Processing," 1997-2000, \$46,206.
- Sponsor, National Institutes of Health, National Heart Lung and Blood Institute, Minority Research Training Supplement to "Caffeine influences on exercise and psychological stress," Terry Hartley, 1997-2000, \$190,259.
- Sponsor, Individual Predoctoral NRSA, Robert Miranda, Jr., National Institute of Alcoholism and Alcohol Abuse, "Emotion and Behavioral Disinhibition in Alcoholism," 2000-2002, \$46,206.
- Sponsor for Individual Postdoctoral NRSA, Noha Farag, M.D., "The effect of a standardized intervention on cortisol secretion and cardiovascular disease risk factors," 2006-2010, \$315,508.
- Program Director, Institutional Predoctoral National Research Service Award grant (T32), National Institutes of Health, National Heart, Lung and Blood Institute, "Behavioral Medicine: Cardiovascular Disease Research,"
1991-1998, \$244,418
1999-2004, \$265,610.
- Principal Investigator, National Institutes of Health, National Heart, Lung and Blood Institute, "Caffeine Influences on Exercise and Psychological Stress,"
1984-1987, \$294,000
1987-1990, \$406,527
1990-1995, \$1,537,239
1995-2000, \$1,750,000
2000-2006, \$2,062,644. Direct and indirect costs.
- Principal Investigator, National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism, "Psychophysiological Precursors of Alcoholism," 2001-2008, \$1,515,000.
- Principal Investigator, National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism, "Oklahoma Family Health Patterns: A study across generations," 2010-2014, \$1,889,862.
- Principal Investigator, National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism, "Neuroimaging in the Oklahoma Family Health Patterns project," 2010-2013, \$631,537.

XIII. Trainee Supervision

a. Postdoctoral Fellows Supervised:

1. Pincomb, Gwendolyn, 1984-1986
Current Position, Private practice of Nephrology, Helena, MT.
2. Sung, Bong Hee, 1987-1989
Current Position, Research Associate Professor of Medicine, SUNY-Buffalo.
3. Boquet, Albert, 1994-1996
Current Position, Research Psychologist, Civil Aeromedical Institute, Federal Aviation Administration, Oklahoma City, OK.
4. al'Absi, Mustafa, 1995-1996
Current Position, Professor of Behavioral Sciences, School of Medicine, University of Minnesota, Duluth, MN.
5. Hartley, Terry, 1995-1997
Current Position, Free lance science writer; Research Coordinator, AIM International in Nampa, Idaho. Design and coordinate product efficacy studies, oversee outside research, and member of Product Development Team.
6. Nakonezny, Paul, 1996-1997

- Current Position, Assistant Professor, Department of Clinical Sciences, Division of Biostatistics, University of Texas Southwestern Medical Center, Dallas, TX.
7. Thomas, Terrie, 1996-1999
Current Position, Masters in Library Science, University of Oklahoma, Norman, OK.
 8. Sollers, John, 1997-1999
Current Position, Research Associate, Department of Psychology, Ohio State University, Columbus, OH.
 9. Monnot, Marilee, 1998-2000
Current Position, Research Associate Professor, Department of Neurology, OUHSC.
 10. Sorocco, Kristen, M.D., 2001-2003.
Current Position, Associate Professor, Department of Geriatric Medicine, OUHSC, staff psychologist, VA Medical Center, and research associate, Behavioral Sciences Labs, VA Medical Center, Oklahoma City, OK.
 11. Abrantes-Pais Shelton, Fatima de N., MD, 2004-2006.
Current position, Department of Neurology, UT Southwestern Medical School, Dallas, TX.
 12. Farag, Noha, M.D., 2003 – 2010.
Current position, Epidemiologist, US Centers for Disease Control and Prevention.
 13. Saunders, Richard, Ph.D., 2005 – 2007.
Studies of behavioral characteristics of persons with a positive family history of alcoholism. Current position, clinical psychologist, U.S. Department of Veterans Affairs.
 14. Robinson, Jennifer, Ph.D., 2007 – 2009.
Neuroimaging research. Current position, Department of Psychology, Auburn University.
 15. Taber-Thomas, Bradley, PhD, 2012.
Neurological functioning in relation to disinhibitory characteristics and the impact of naltrexone on persons with different degrees of early life adversity. Current position, postdoctoral fellow, University of Pittsburgh.
 16. Dan Roche, MD PhD, 2012. Current position, postdoctoral fellow UCLA.
 17. Zhang, Wei, MD, PhD, 2012-2014.
Neuroimaging in the Oklahoma Family Health Patterns Project. Current position, staff researcher, Research Imaging Institute, University of Texas Health Sciences Center.

b. Dissertations Chaired:

1. Pincomb, Gwendolyn A., "Caffeine Effects During Rest, Isometric Exercise, and Occupational Challenge," OUHSC, 1984.
2. Sausen, Kenneth Philip, "Hypertension Risk as a Modifier of Cardiovascular and Neuroendocrine Responses to Occupational Stress in Young Men," OUHSC, 1990.
3. Everson, Susan Agnes, "Behavioral vs. Self-report Measures of Hostility: Cross Validation and Prediction of Psychophysiological Responses in the Laboratory," OUHSC, 1991.
4. King, Andrea Christine, Co-chairman with Oscar A. Parsons, Ph.D., "Cardiovascular Dysregulation in Alcoholism," OUHSC, 1992.
5. al'Absi, Mustafa Nasser, "Pituitary-Adrenocortical and Cardiovascular Reactivity to Extended Mental and Social Stressors: The Role of Repressive-Defensive Coping Style," OUHSC, 1995. Outstanding dissertation award, 1995.
6. Marrero, Abner Francisco, "Caffeine Effects on Cardiovascular Activity of Women at Rest and During Behavioral Stress," OUHSC, 1995.

7. Bernardy, Nancy Counts, "Cardiovascular Dysregulation in Female Drug Abusers," OUHSC, 1995.
8. Buchanan, Anthony Wayne, "Glucocorticoid Effects on Central Nervous System Activation and Declarative Memory," OUHSC, 2000.
9. Miranda, Bobby, "Effects of Alcoholism and Antisocial Personality Disorder on Central Processing of Affect and Behavioral Impulsivity," Oklahoma State University, Stillwater, 2002. Directed the research, Chair was Frank Collins of OSU.
10. Panknin, Tera L., "Cardiovascular and Neuroendocrine Responses to Psychological Stress and Resting C-Reactive Protein Activity in Major Depressive Disorder: Implications for Risk of Coronary Artery Disease," OUHSC, 2003.
11. Farag, Noha H., "Effect of physical activity on hypothalamic-pituitary-adrenal axis functioning in a multiracial sample of adolescents," OUHSC, 2009. Shared responsibilities with June Eichner, College of Public Health.

c. Dissertation Committees:

1. Torres, Aurora, "The Role of Estrogen in Modulating Responses to Ethanol in Spayed Female Rats," OUHSC, 1987.
2. Glenn, Susan Wagner, "Investigation of Neuropsychological Efficiency Measures (Accuracy/Speed) in Female Alcoholics," OUHSC, 1989.
3. Sinha, Rajita Guarnaccia, "Psychophysiological Response Patterning of Emotions," OUHSC, 1990.
4. Errico, Austin Louis, "The Role of Gonadal and Adrenal Hormones in Alcoholics' Cognitive Deficits: Investigation of a Neuropsychological Model of Alcoholic's Effects," OUHSC, 1990.
5. Criado, José R., "The Effects of Alcohol on Inhibitory Mechanisms in Rat Hippocampal CA1 Neurons *in vivo*," OUHSC, 1991.
6. Bedingfield, J. Brent, "Investigation of a possible role for peripheral opioid receptors in ethanol aversion and reward," OUHSC, 1991.
7. Della Rocco, Pamela, "Shift work, age, and performance in simulated air traffic control procedures," OUHSC, 1994.
8. Pierce, Jessica Marjorie, "Posttraumatic stress disorder and sexual assault in female methadone maintenance clients," OUHSC, 1997.
9. Veatch, Lynn M., "Multiple ethanol withdrawal and epileptogenesis," OUHSC, 1997.
10. Testa, Julie Ann, "Processing of emotional information by patients with Alzheimer disease," OUHSC, 1998.
11. Elsenbruch, Sigrid, "The Effects of Psychological Stress on Postprandial Gastric, Autonomic, and Endocrine Activity in Health and the Irritable Bowel Syndrome," OUHSC, 1999.
12. Wasielewski, Jill, "Attenuation of alcohol-induced circadian phase-shifts using melatonin and vitamin B₁₂," OUHSC, 2001.

d. Dissertation Examiner—Other Universities:

- Langeluddecke, Pauline Mary, "The Role of Behavioral Procedures in Coronary Heart Disease Prevention Programmes," University of New South Wales, 1982.
- Hurt, Sally M., "Coronary Prone Behavior," University of New South Wales, 1986.
- Frankish, Charles James, "Your Marriage May Be Hazardous to Your Health: Spouse-pair Risk Factors and Cardiovascular Reactivity," University of British Columbia, 1990.
- Ellenbogen, Mark, "Stress and selective attention: The impact of a stressful challenge on mood, cortisol, and the processing of emotional information," Concordia University, 2001.

e. Masters Theses Chaired:

1. Edwards, Gary Lee, "The Type A Behavior Pattern and Habitual Exercise as Modifiers of the Effects of Examination Stress on Hemodynamic and Neuroendocrine Variables in Young Men," OUHSC, 1983.
2. Sausen, Kenneth P., "Joint Effects of Heart Rate Variability and Type A Behavior on Heart Rate and Blood Pressure Response During Challenging Mental Tasks," OUHSC, 1986.
3. Everson, Susan Agnes, "Cardiovascular Response Patterns During Mental Arithmetic and Simple Reaction Time," OUHSC, 1988.
4. Kalafut, Mary, "The Influence of Combat Exposure and Premorbid Social Adjustment on the Occurrence of Posttraumatic Stress Disorder in Vietnam Veterans," OUHSC, 1990.
5. Marrero, Abner Francisco, "Mental Stress Produces Increased Vascular Resistance in Young Men at High Risk for Hypertension," OUHSC, 1993.
6. Buchanan, Anthony, "Altered cognitive processing of sensory information and working memory during stress as a function of cortisol production," OUHSC, 1998.
7. Dickensheets, Stacey L., "Disruption of pituitary-adrenocortical responses to stress in abstinent alcoholics," OUHSC, 1998.
8. Panknin, Tera L., "Autonomic regulation of cardiovascular function in abstinent alcoholics," OUHSC, 1999.
9. Massingill, Jamie S., "Acoustic startle responses to fear and disgust," OUHSC, 2001. Outstanding masters thesis award, 2001.

f. Masters Thesis Committees:

- Errico, Austin Louis, "Familial Alcoholism, Locus of Control, Affective States, and Neuropsychological Performance in Male VA Alcoholics," OUHSC, 1987.
- King, Andrea Christine, "Transitory Hypertension, Blood Pressure Regulation, and Neuropsychological Performance in Abstinent Alcoholics," OUHSC, 1990.
- Sun, Rongkun, "Ethanol Effects on the Response of Hippocampal CA3 Neurons to Medial Septal Stimulation," OUHSC, 1991.
- Bernardy, Nancy Counts, "Influences of Drinking Patterns and Psychological Responses to Mental Stress on Adrenocortical Responses of Alcoholic Patients," University of Central Oklahoma, 1993.

g. Student Research Mentorship

- Josh Ticknor, Oklahoma School of Science and Mathematics, 2004-2005 school year.
- Amber Lockner, Oklahoma School of Science and Mathematics, 2006-2007 school year.
- Charles Perry, Langston University, Undergraduate Biomedical Education Program, summer 2006.
- Alyssa Sappenfield, Oklahoma School of Science and Mathematics, 2007-2008 school year.
- Shereen Samadzadeh, Oklahoma School of Science and Mathematics, summer 2007.
- Nathan Carnes, Hendricks College, Conway AR, summer 2009.
- Lauren Fehr, Oklahoma School of Science and Mathematics, 2010-2011 school year.
- Betz, Dene, Oklahoma School of Science and Mathematics, 2012-2013 school year.

XIV. Bibliography

a. Scientific Papers:

1. LOVALLO, W.R., Parsons, O.A., & Holloway, F.A. Autonomic arousal in normal, alcoholic, and brain-damaged subjects as measured by the plethysmograph response to cold-pressor

- stimulation. *Psychophysiology*, 1973, 10, 166-176.
2. LOVALLO, W.R., & Zeiner, A.R. Cutaneous vasomotor responses to cold pressor stimulation. *Psychophysiology*, 1974, 11, 458-47.
 3. LOVALLO, W.R. & Zeiner, A.R. Some factors influencing the vasomotor response to cold pressor stimulation. *Psychophysiology*, 1975, 12, 499-505.
 4. Bourne, L.E., Jr., Ekstrand, B.R., LOVALLO, W.R., Kellogg, R.T., Hiew, C.-C., & Yaroush, R.A. A frequency analysis of attribute identification. *Journal of Experimental Psychology: General*, 1976, 105, 294-312.
 5. Fishkin, S.M., LOVALLO, W.R., & Pishkin, V. Relationship between schizophrenic thinking and MMPI for process and reactive patients. *Journal of Clinical Psychology*, 1977, 33, 116-119.
 6. Pishkin, V., LOVALLO, W.R., Lenk, R.G., & Bourne, L.E., Jr. Schizophrenic cognitive dysfunction: A deficit in rule transfer. *Journal of Clinical Psychology*, 1977, 33, 335-342.
 7. Pishkin, V., Fishkin, S.M., & LOVALLO, W.R. Comparison of cognitive performance in subjects high and low in anxiety and depression. *Bulletin of the Psychonomic Society*, 1978, 11, 243-244.
 8. Pishkin, V., Fishkin, S.M., Shurley, J.T., Lawrence, B.E., & LOVALLO, W.R. Cognitive and psychophysiological response to doxepin and chlordiazepoxide. *Comprehensive Psychiatry*, 1978, 19, 171-178.
 9. Fishkin, S.M., LOVALLO, W.R., Whitaker, L.D., & Pishkin, V. Randomness and the "streaking" phenomenon: Attentional anomalies in performance on the Whitaker Index of Schizophrenic Thinking (WIST). *Journal of Clinical Psychology*, 1979, 35, 289-295.
 10. LOVALLO, W.R., & Pishkin, V. A psychophysiological comparison of Type A and B men exposed to failure and uncontrollable noise. *Psychophysiology*, 1980, 17, 29-36.
 11. LOVALLO, W.R., & Pishkin, V. Performance of Type A (coronary-prone) men during and after exposure to uncontrollable noise and task failure. *Journal of Personality and Social Psychology: Personality Processes and Individual Differences*, 1980, 38, 963-971.
 12. LOVALLO, W.R., & Pishkin, V. Type A behavior, self-involvement, autonomic activity, and the traits of neuroticism and extraversion. *Psychosomatic Medicine*, 1980, 42, 329-334.
 13. Pishkin, V., LOVALLO, W.R., Fishkin, S.M., & Shurley, J.T. Residual effects of temazepam and other hypnotic compounds on cognitive functions. *Journal of Clinical Psychiatry*, 1980, 41, 358-363.
 14. Meites, K., LOVALLO, W.R., & Pishkin, V. A comparison of four scales for anxiety, depression and neuroticism. *Journal of Clinical Psychology*, 1980, 36, 427-431.
 15. LOVALLO, W.R., Sengel, R.A., Leber, W.R., Shaffer, B., & Pishkin, V. Convergent and discriminant validity of the WIST. *Journal of Clinical Psychology*, 1983, 39, 321-325.
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 17. Sengel, R.A., & LOVALLO, W.R. The effects of cueing on immediate and recent memory in schizophrenia. *Journal of Nervous and Mental Disease*, 1983, 171, 426-430.
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 19. LOVALLO, W.R., Wilson, M.F., Pincomb, G.A., Edwards, G.L., Tompkins, P., & Brackett, D. Activation patterns to aversive stimulation in man: Passive exposure versus effort to control. *Psychophysiology*, 1985, 22, 283-291.
 20. Sengel, R.A., LOVALLO, W.R., & Pishkin, V. Verbal recall in schizophrenia: Differential

- effect of retroactive interference in nonparanoid patients. *Comprehensive Psychiatry*, 1985, 26, 164-174.
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87. Buchanan, T.W., & LOVALLO, W.R. (2001). Enhanced memory for emotional material following stress-level cortisol treatment in humans. *Psychoneuroendocrinology*, 26, 307-317.
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7. LOVALLO, W.R., & Pishkin, V. *The effects of initial and extended uncontrollability in Type A and B coronary-prone men*. Annual Meeting of the Southwestern Psychological Association, San Antonio, TX, May, 1979.
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 68. Sausen, K.P., LOVALLO, W.R., & Pincomb, G.A. (1992, June). *Occupational stress and cardiovascular health*. Paper presented at the Annual Meeting of the American Psychological Society, San Diego, CA.
 69. King, A.C., LOVALLO, W.R., Bernardy, N.C., & Parsons, O.A. (1992, July). *Exaggerated blood pressure reactivity in postwithdrawal alcoholics with normal resting pressures*. Second International Congress of Behavioral Medicine, Hamburg, Germany.
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 80. Sausen, K.P., LOVALLO, W.R., Pincomb, G.A., & Everson, S.A. (1992, August). *Cardiovascular responses of heart rate reactors: Laboratory and occupational challenges*. Centennial Meeting of the American Psychological Association, Washington, D.C.
 81. Ketterer, M.W., Kenyon, L., Brymer, J., Rhoades, K., Kraft, P., & LOVALLO, W.R. (1992, October). *Indices of depression & ischemic coronary heart disease*. Annual Meeting of the Academy of Psychosomatic Medicine, San Diego, CA. *Proceedings of the Academy of Psychosomatic Medicine*, 1992, 39, 58.
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 86. King, A.C., LOVALLO, W.R., Bernardy, N.C., Sung, B.H., & Parsons, O.A. (1993, March). *Mechanisms of blood pressure dysregulation in abstinent alcohol abusers*. Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA.
 87. Marrero, A.F. & LOVALLO, W.R. (1993, March). *Elevated systemic vascular resistance characterizes persons at high risk for hypertension during mental challenges*. Annual Conference on Cardio-vascular Disease Epidemiology, Santa Fe, NM.
 88. King, A.C., Bernardy, N.C., Parsons, O.A., & LOVALLO, W.R. (1993, March). *Hypertension and alcohol abuse: Identification of individuals at highest risk for future cardiovascular disease*. Annual Conference on Cardiovascular Disease Epidemiology,

- Santa Fe, NM.
89. al'Absi, M., LOVALLO, W.R., Pincomb, G.A., McKey, B.S., Sung, B.H., & Wilson, M.F. (1993, April). *Borderline hypertensive men show persistent adrenocortical sensitivity to caffeine*. Annual Meeting of the Federation of the American Societies for Experimental Biology and Medicine. *FASEB Journal*, 1993, 7, A552.
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 96. Bernardy, N.C., Boquet, A.J., Nixon, S.J., & LOVALLO, W.R. (1994, June). *Cardiotoxicity in asymptomatic female alcoholic inpatients*. Annual Meeting of the College on Problems of Drug Dependence, Inc., Palm Beach, FL.
 97. Wilson, M.F., Sung, B.H., Pincomb, G., & LOVALLO, W.R. (1994, July). *Cardiovascular effects of caffeine in exercise*. Third International Congress of Behavioral Medicine, Amsterdam.
 98. al'Absi, M., LOVALLO, W.R., Pincomb, G.A., Sung, B.H., & Wilson, M.F. (1994, July). *Caffeine effects on cortisol and blood pressure responses to mental stress in borderline hypertensive men*. International Congress of Behavioral Medicine, Amsterdam.
 99. Shepard, J.D., al'Absi, M., & LOVALLO, W.R. (1994, July). *The effect of caffeine and occupational stress on ambulatory blood pressure in male medical students*. Third International Congress of Behavioral Medicine, Amsterdam.
 100. Pincomb, G.A., al'Absi, M., McKey, B.S., Everson, S.A., & LOVALLO, W.R. (1994, July). *Intermittently repeated behavioral performance stress in borderline hypertensive men*. Third International Congress of Behavioral Medicine, Amsterdam.
 101. Bernardy, N.C., Everson, S.A., al'Absi, M., SCHOTT, H., & LOVALLO, W.R. (1994, July). *Risk for hypertension predicts the "white coat" effect*. Third International Congress of Behavioral Medicine, Amsterdam.
 102. al'Absi, M., LOVALLO, W.R., & McKey, B.S. (1994, October). *Consistency of cardiovascular responses to behavioral stress in borderline hypertensive men*. Annual Meeting of the Society for Psychophysiological Research, Atlanta, GA.

- Psychophysiology*, 31 (Suppl. 1), S21.
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 108. Bongard, S., al'Absi, M., Buchanan, T.W., & LOVALLO, W.R. (1995, March). *Interactive effects of hostility and anger expression on cardiovascular reactivity*. Annual Meeting of the Psychosomatic Society, New Orleans, LA. *Psychosomatic Medicine*, 57, 70.
 109. Bernardy, N.C., Nixon, S.J., & LOVALLO, W.R. (1995, June). *Cardiovascular dysregulation in abstinent female alcoholics*. Annual Meeting of the Research Society on Alcoholism, Steamboat Springs, CO. *Alcoholism: Clinical and Experimental Research*, 19.
 110. Boquet, A.J., Bernardy, N.C., Shepard, J.D., & LOVALLO, W.R. (1995, June). *Reduced heart rate variability in recovering female alcoholics*. Annual Meeting of the Research Society on Alcoholism, Steamboat Springs, CO. *Alcoholism: Clinical and Experimental Research*, 19, 553.
 111. al'Absi, M., Buchanan, T., & LOVALLO, W.R. (1995, November). *Neuroendocrine and mood changes during an interpersonal stressor: The association of two response systems*. Annual Meeting of the Association for Advancement of Behavior Therapy, Washington, D.C. *Proceedings of the 29th Meeting of the AABT*.
 112. al'Absi, M., Ries, B., Turk, C., McCargue, D., & LOVALLO, W.R. (1995, November). *Cardiovascular and neuroendocrine responses to a public-speaking task: A preliminary study*. Annual Meeting of the Association for Advancement of Behavior Therapy, Washington, D.C. *Proceedings of the 29th Meeting of the AABT*.
 113. Buchanan, T.W., al'Absi, M., Marrero, A.F., Jones, D. S., & LOVALLO, W.R. (1996, March). *Gender differences in cardiovascular and pain responses to the cold pressor test in persons with a positive parental history for hypertension*. Fourth International Congress of Behavioral Medicine, Washington, D.C. *Annals of Behavioral Medicine*, 18.
 114. al'Absi, M., Licinio, J., LOVALLO, W.R. (1996, March). *Adrenocorticotropic responses to extended mental and interpersonal stressors*. Fourth International Congress of Behavioral Medicine, Washington, D.C. *Annals of Behavioral Medicine*, 18.
 115. al'Absi, M., LOVALLO, W.R., & Pincomb, G.A. (1996, March). *Hemodynamic and blood pressure responses to extended mental and social stressors*. Fourth International Congress of Behavioral Medicine, Washington, D.C. *Annals of Behavioral Medicine*, 18.

116. Ketterer, M.W., Lumley, M.A., Wassef, S., Kraft, P., LOVALLO, W.R., & Goldberg, A.D. (1997, April). *Aggressively eschewing obfuscation: Does denial kill the cardiac patient?* Annual Meeting of the Psychosomatic Society, Santa Fe, NM. *Psychosomatic Medicine*, 59, 91.
117. Smith, J.L., Benight, C.C., Point, F., Freyaldenhoven, B.A., Ruiz, J.M., Hughes, J., Zoschke, M.A., LOVALLO, W., & Nixon, S.J. (1997, April). *A qualitative analysis of victims of the Oklahoma City bombing: The process of coping self-efficacy.* Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA.
118. Buchanan, T.W., Donath, T.M., al'Absi, M., Davidson, R.J., Cacioppo, J.T., & LOVALLO, W.R. (1997, October). *Adrenocortical responses during positive and negative affective states.* Annual Meeting of the Society for Psychophysiological Research, Cape Cod, MA. *Psychophysiology*, 34 (Suppl. 1), S24.
119. LOVALLO, W.R., & al'Absi, M. (1997, October). *Hemodynamics during rest and behavioral stress in normotensive men at high risk for hypertension.* Annual Meeting of the Society for Psychophysiological Research, Cape Cod, MA. *Psychophysiology*, 34 (Suppl. 1), S58.
120. Bernardy, N.C., King, A.C., & LOVALLO, W.R. (1998, June). *Comparison of withdrawal and stress response in male and female alcoholics.* Annual Meeting of the Research Society on Alcoholism, Hilton Head, SC.
121. Buchanan, T.W., Donath, T.M., al'Absi, M., Davidson, R.J., Cacioppo, J.T., & LOVALLO, W.R. (1998, August). *Adrenocortical responses during positive and negative affective states.* Poster presented at the meeting of the International Society of Psychoneuroendocrinology, Trier, Germany.
122. Buchanan, T.W., al'Absi, M., & LOVALLO, W.R. (1998, August). *Integration of adrenocortical and cardiac activity during a social stressor.* Poster presented at the meeting of the International Society of Psychoneuroendocrinology, Trier, Germany.
123. Powell, L.H., Baum, A., LOVALLO, W.L, Matthews, K.A., McCann, J., Midgley, A.R., Ory, M., Stone, A.A. (1998, August). *Physiologic markers of chronic stress in middle-aged women.* Paper presented at the Fifth International Congress of Behavioral Medicine, Copenhagen, Denmark.
124. al'Absi, M. & LOVALLO, W.R. (1998, August). *Pituitary-adrenocortical responses to psychological stress and caffeine in men at high and low risk for hypertension.* Poster presented at the Fifth International Congress of Behavioral Medicine, Copenhagen, Denmark.
125. al'Absi, M., Bongard, S., & LOVALLO, W.R. (1998, August). *Effects of habitual anger expression and defensiveness on ACTH and cortisol responses to behavioral challenges.* Paper presented at the Fifth International Congress of Behavioral Medicine, Copenhagen, Denmark.
126. LOVALLO, W.R., & al'Absi, M. (1998, August). *Hemodynamics during rest and behavioral stress in normotensive men at high risk for hypertension.* Poster presented at the Fifth International Congress of Behavioral Medicine, Copenhagen, Denmark.
127. Bernardy, N.C., King, A.C., & LOVALLO, W.R. (1998, August). *Comparison of withdrawal and stress response in male and female alcoholics.* Poster presented at the Fifth International Congress of Behavioral Medicine, Copenhagen, Denmark.
128. al'Absi, M., Hugdahl, K., & LOVALLO, W.R. (1998, September). *Adrenocortical stress responses in relation to cognitive performance and hemisphere asymmetry.* Annual Meeting of the Society for Psychophysiological Research, Denver, CO. *Psychophysiology*, 35 (Suppl. 1), S15.

129. Sollers, J.J., III, Nakonezny, P.A., Kizakevich, P., & LOVALLO, W.R. (1998, September). *New ambulatory impedance cardiograph validated against the Minnesota Impedance Cardiograph*. Annual Meeting of the Society for Psychophysiological Research, Denver, CO. *Psychophysiology*, 35 (Suppl. 1), S75.
130. Thomas, T.L., LOVALLO, W.R., & McKey, B.S. (1999, March). *Effects of caffeine and stress on men at increased risk for hypertension*. Annual meeting of the American Psychosomatic Society, Vancouver, B.C. *Psychosomatic Medicine*, 61, 117.
131. Hartley, T.R., LOVALLO, W.R., Thomas, T.L., & McKey, B.S. (1999, March). *Caffeine affects blood pressure at rest, during task and recovery*. Annual meeting of the American Psychosomatic Society, Vancouver, B.C. *Psychosomatic Medicine*, 61, 121.
132. Antoni, M.H., Kumar, M., Cruess, D., & LOVALLO, W.R. (1999, March). *Symposium synopsis: Psychoneuroendocrinology of HIV infection*. Annual meeting of the American Psychosomatic Society, Vancouver, B.C. *Psychosomatic Medicine*, 61, 126.
133. al'Absi, M. Buchanan, T.W., LOVALLO, W.R. (1999, March). *Sex differences in pain perception and cardiovascular responses in persons with parental history for hypertension*. Annual meeting of the American Psychosomatic Society, Vancouver, B.C. *Psychosomatic Medicine*, 61, 119.
134. Brechtel, A., Buchanan, T.W., Sollers, J.J., & LOVALLO, W.R. (1999, September). *The effects of exogenous cortisol on the acoustic startle reflex*. Annual meeting of the Society for Psychophysiological Research, Granada, Spain. *Psychophysiology*, 36 (Suppl. 1), S37.
135. Sung, B.H., LOVALLO, W.R., & Wilson, M.F. (2000). *Caffeine prolongs isovolumic relaxation time and may modify diastolic function of the heart*. Annual meeting of the American Psychosomatic Society, Savannah, GA. *Psychosomatic Medicine*, 62, 139-140.
136. Thomas, T.L., Sung, B.H., Wilson, M.F., & LOVALLO, W.R. (2000). *Caffeine's influence on gender differences in the cortisol response to mental vs. physical stressors*. Annual meeting of the American Psychosomatic Society, Savannah, GA. *Psychosomatic Medicine*, 62, 101-102.
137. Sung, B.H., Thomas, T., LOVALLO, W.R., & Wilson, M.F. (2000). *Caffeine elevates cortisol by CNS stimulation in men but by metabolic mechanisms in women*. Annual meeting of the American Psychosomatic Society, Savannah, GA. *Psychosomatic Medicine*, 62, 127.
138. Sung, B.H., LOVALLO, W.R., & Wilson, M.F. (2000). *Why young males have higher blood pressure than females: Structural, functional and hemodynamic assessments by echocardiograph*. Annual meeting of the American Psychosomatic Society, Savannah, GA. *Psychosomatic Medicine*, 62, 139.
139. Massengill, J.S., Hartley, T.R., Sung, B.H., Thomas, T.L., Whitsett, T.L., Wilson, M.F., & LOVALLO, W.R. (2000, April). *Caffeine's effects on blood pressure in middle aged persons*. Annual meeting of the Society of Behavioral Medicine, Nashville, TN.
140. Hartley, T.R., Thomas, T.L., Massengill, J.S., & LOVALLO, W.R. (2000, April). *Gender Differences in Cardiovascular Response to Caffeine*. Annual meeting of the Society of Behavioral Medicine, Nashville, TN.
141. Buchanan, T.W., Sollers, J.J., III, & LOVALLO, W.R. (2000, October). *Cortisol, emotion-modulated startle, and emotional memory*. Annual Meeting of the Society for Psychophysiological Research, San Diego, CA. *Psychophysiology*, 37 (Suppl. 1), S30.
142. Massengill, J.S., Buchanan, T.W., & LOVALLO, W.R. (2000, October). *Gender in the acoustic startle reflex to fear*. Annual Meeting of the Society for Psychophysiological Research, San Diego, CA. *Psychophysiology*, 37 (Suppl. 1), S67.
143. Miranda, R., Jr., Meyerson, L.A., Buchanan, T.W., & LOVALLO, W.R. (2000). *Altered*

- emotion-modulated startle reflex as a psychophysiological precursor for alcoholism. Alcoholism: Clinical and Experimental Research, 24(Suppl. 5), 124A.*
144. Elsenbruch, S., Lovallo, W.R., & Orr, W.C. (2001, May). *Responses to postprandial mental stress in women with IBS.* Digestive Disease Week, Atlanta, GA, May 20–23, 2001.
 145. al'Absi, M., LOVALLO, W.R. (2001, March). *Defensive coping style is associated with slow blood pressure but normal endocrine recovery.* Annual Meeting of the American Psychosomatic Society, Monterey, CA, March 7–10, 2001. *Psychosomatic Medicine, 63, 118.*
 146. Powell, L.H., LOVALLO, W.R., Matthews, K.A., Midgley, R., Baum, A., Stone, A.A., Underwood, L., McCann, J.J., Creech, S., Janikula Herro, K., Ory, M.G. (2001, March). *Biopsychosocial correlates of divorce/separation in middle-aged women.* Annual Meeting of the American Psychosomatic Society, Monterey, CA, March 7–10, 2001. *Psychosomatic Medicine, 63, 122.*
 147. LOVALLO, W.R., & Lane, R.D., Chairs. (2001, March). *The central neurobiology of emotion in psychosomatic medicine.* Preconvention workshop, Annual Meeting of the American Psychosomatic Society, Monterey, CA, March 6–7, 2001.
 148. LOVALLO, W.R., & Lane, R.D., Chairs. (2002, March). *Neurobiology of emotion in cardiovascular regulation.* Preconvention workshop, Annual Meeting of the American Psychosomatic Society, Barcelona, Spain, March 13, 2002.
 149. Miranda, R., Meyerson, L.A, Myers, R.R., & LOVALLO, W.R. (2002, June). *Abnormal emotion modulation of the startle reflex among male alcoholics: The role of antisocial personality disorder.* Annual meeting of the Research Society on Alcoholism, San Francisco CA, June 28-July 3, 2002. *Alcoholism: Clinical and Experimental Research, 26(Suppl. 5), 71A.*
 150. LOVALLO, W.R., Powell, L.H., Matthews, K.A., Meyer, P., Midgley, A.R., & Baum, A. (2002, July). *Physiologic markers of chronic stress in premenopausal, middle-aged women.* 11th World Congress of Psychophysiology, Montreal, Canada, July 29–August 3, 2002. *International Journal of Psychophysiology, 45, 41-42.*
 151. Sung, B.H., Passanese, K., Wilson, M.F., & LOVALLO, W.R. (2003, March). *Effects of caffeine on blood pressure and large and small artery stiffness.* Annual Meeting of the American Psychosomatic Society, Phoenix, AZ, March 5-8, 2003. [On-line.] *Psychosomatic Medicine, 65, Data supplement, A1153.*
 152. LOVALLO, W.R. (2004, September). *The hypothalamic-pituitary-adrenocortical axis (HPAC) in addiction.* 12th World Congress of Psychophysiology, Thessalonica, Greece, September 18-23, 2004. *International Journal of Psychophysiology, 54, 9-11.* Symposium organizer.
 153. Abrantes-Pais Shelton, F. de N., Friedman, J.K., LOVALLO, W.R., Ross, E.D. (2005, September). *Psychological coping versus physiological change: Does spinal cord injury (SCI) decrease anger?* 12th Annual Meeting of the American Society of Neurorehabilitation, Chicago, IL, September 28-October 1, 2005.
 154. Abrantes-Pais Shelton, F. de N., Friedman, J.K., LOVALLO, W.R., Ross, E.D. (2005, April). *Psychological or physiological: Why are quadriplegic patients content?* 57th Annual Meeting of the American Academy of Neurology, Miami Beach, FL, April 9–16, 2005.
 155. Abrantes-Pais Shelton, F. de N., Friedman, J.K., LOVALLO, W.R., Ross, E.D. (2005, April). *Psychological coping versus physiological change: Does spinal cord injury (SCI) reduce anger?* 12th Annual Meeting of the American Society of Neurorehabilitation, Chicago, IL, September 28–October 1, 2005.

156. Farag, N.H., Vincent, A.S., McKey, B.S., & LOVALLO, W.R. (2005, March). *Effects of caffeine and stress on cardiovascular hemodynamics across age groups: Moderating effects of hormone replacement therapy*. 63rd Annual Meeting of the American Psychosomatic Society, Vancouver, B.C., Canada, March 2–5, 2005. [On-line.] *Psychosomatic Medicine*, 67, Data supplement, A57.
157. Vincent, A.S., Farag, N.H., & LOVALLO, W.R. (2005, March). *Age and gender effects on HPA axis response to stress*. 63rd Annual Meeting of the American Psychosomatic Society, Vancouver, B.C., Canada, March 2–5, 2005. [On-line.] *Psychosomatic Medicine*, 67, Data supplement, A66.
158. Vincent, A.S., Sorocco, K.H., & LOVALLO, W.R. (2005, March). *Personality and executive functioning performance: Risk factors for substance use disorders in the Oklahoma Family Health Patterns Project*. 63rd Annual Meeting of the American Psychosomatic Society, Vancouver, B.C., Canada, March 2–5, 2005. [On-line.] *Psychosomatic Medicine*, 67, Data supplement, A106.
159. Sorocco, K.H., Vincent, A.S., & LOVALLO, W.R. (2005, March). *Cortisol stress response and risk factors for substance use in the Oklahoma Family Health Patterns Project*. 63rd Annual Meeting of the American Psychosomatic Society, Vancouver, B.C., Canada, March 2–5, 2005. [On-line.] *Psychosomatic Medicine*, 67, Data supplement, A107.
160. McKey, B.S., Farag, N., Vincent, A.S., Hartley, T.A., LOVALLO, W.R., al'Absi, M. (2006, March). *Subjective symptoms of caffeine withdrawal*. Annual meeting of the Society of Behavioral Medicine, San Francisco, CA.
161. Rashid, A., Hines, M., Scherlag, B.J., Yamanashi, W.S., & LOVALLO, W.R. (2006). *The effects of caffeine on the inducibility of atrial fibrillation*. *Journal of the American College of Cardiology*, 47(Suppl.), 296A.
162. Abrantes-Pais Shelton, F. de N., Friedman, J.K., LOVALLO, W.R., Ross, E.D. (2006). *Emotional changes following high-anatomical-level SCI are not related to sympathetic feedback: A new look at an old concept*. *Neurology*, 66 (Suppl.), A323.
163. Saunders, R., Vincent, A.S., Sorocco, K.H., LOVALLO, W.R. *Data reduction of antisocial personality measures to create a risk index for blunted stress cortisol responsivity in nonalcoholic individuals with a family history of alcoholism*. 29th Annual Meeting of the Research Society on Alcoholism, Baltimore, MD, June 23-26, 2006. *Alcoholism: Clinical and Experimental Research*, 30 (Suppl.), 76A.
164. Saunders, R., LOVALLO, W.R. *Impulsive errors on a Go-NoGo reaction time task in persons with a positive family history of alcoholism*. 64th Annual Meeting of the American Psychosomatic Society, Budapest, Hungary, March 7–10, 2007. [On-line.] *Psychosomatic Medicine*, 68, Data supplement, A29.
165. Farag, N.H., McKey, B.S., Vincent, A.S., Sorocco, K.H., Sollers, J.J., III, Chendra, E., LOVALLO, W.R. *Interactive effects of sociability and family history of alcoholism on heart rate variability responses to psychological stress*. 64th Annual Meeting of the American Psychosomatic Society, Budapest, Hungary, March, 7–10, 2007. [On-line.] *Psychosomatic Medicine*, 68, Data supplement, A67.
166. Sorocco, K.H., Vincent, A.S., LOVALLO, W.R. *Alcoholism risk factors and emotion modulated startle response: Findings from the Oklahoma Family Health Patterns Project*. 64th Annual Meeting of the American Psychosomatic Society, Budapest, Hungary, March 7–10, 2007. [On-line.] *Psychosomatic Medicine*, 68, Data supplement, A29.
167. Acheson, A., Robinson, J., Fox, P.T., Glahn, D.C., LOVALLO, W.R. *Neural activation differences during the Iowa Gambling Task in young adults with and without a family history of alcoholism*. Poster presented at the 69th Annual Meeting of the College on

- Problems of Drug Dependence, Quebec City, Quebec, Canada, June 16–21, 2007.
168. LOVALLO, W.R. *Stress cortisol response variation and risk for addiction*. Symposium presentation at the 69th Annual Meeting of the College on Problems of Drug Dependence, Quebec City, Quebec, Canada, June 16–21, 2007.
 169. LOVALLO, W.R. *Behavioral disinhibition and diminished startle reflex in young adults with a family history of alcoholism*. Symposium presentation at the 30th Annual Scientific Meeting of the Research Society on Alcoholism. Chicago, IL, July 7–12, 2007.
 170. Robinson, J.L., LOVALLO, W.R., Cakir, S., Barrett, J., Fox, P.T. & Glahn, D.C. *Exogenous cortisol administration results in medial temporal hypoactivation in the human brain*. Paper presented at the 14th Annual Meeting of the Organization for Human Brain Mapping, Melbourne, Australia, June 15–19, 2008.
 171. Sorocco, K.H., Vincent, A.S., LOVALLO, W.R. *Risk factors for alcoholism and increased drinking behaviors at one-year follow-up: Findings from the Oklahoma Family Health Patterns Project*. 67th Annual Meeting of the American Psychosomatic Society, Chicago, IL, March 4–7, 2009. [On-line.] *Psychosomatic Medicine*, 71, Data supplement, A72.
 172. Acheson, A., Cykowski, M.D., Glahn, D.C., Fox, P.T., LOVALLO, W.R. *Differences in resting state brain glucose uptake in young adults with a family history of alcoholism*. 38th Annual Meeting of the Society for Neuroscience, Chicago, IL, October 17-21, 2009.
 173. Sorocco, K.H., Farag, N.H., & LOVALLO, W.R. *Relationship of life adversity, antisocial tendencies, and family history: Risk factors for substance use disorders in the Oklahoma Family Health Patterns Project*. 68th Annual Meeting of the American Psychosomatic Society, Portland, OR, March 10-13, 2010. [On-line.] *Psychosomatic Medicine*, 72, Data supplement, A128-A129.
 174. Acheson, A., Cykowski, M.D., Laird, A.R., Glahn, D.C., Fox, P.T., & LOVALLO, W.R. *Increased baseline activity in reward networks in young adults with a family history of alcoholism*. Paper presented at the 16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain, June 6-10, 2010.
 175. Sorocco, K.H., Farag, N.H., Vincent, A.S., & LOVALLO, W.R. *Cortisol stress reactivity: Programming by adverse life events in women and not in men*. 69th Annual Meeting of the American Psychosomatic Society, San Antonio, TX, March 9-12, 2011. [On-line.] *Psychosomatic Medicine*, 73, Data supplement, A30-A31.
 176. Sorocco, K.H., Farag, N.H., Vincent, A.S., & LOVALLO, W.R. *Blunted stress cortisol reactivity and risk factors for alcoholism: Adverse life events and antisocial behavior in the Oklahoma Family Health Patterns Project*. 69th Annual Meeting of the American Psychosomatic Society, San Antonio, TX, March 9-12, 2011. [On-line.] *Psychosomatic Medicine*, 73, Data supplement, A58-A59.
 177. Acheson, A., Vincent, A.S., Sorocco, K.H., & LOVALLO, W.R. *Greater discounting of delayed rewards in young adults with family histories of alcohol and drug use disorders*. 34th Annual Meeting of the Research Society on Alcoholism, Atlanta, GA, June 25-29, 2011. *Alcoholism Clinical and Experimental Research*, 35S, 106A.
 178. Sorocco, K.H., Cohoon, A.J., Vincent, A.S., Farag, N.H., & LOVALLO, W.R. *Cognitive impact of early life adversity*. 70th Annual Meeting of the American Psychosomatic Society, Athens, Greece, March 14-17, 2012. [On-line.] *Psychosomatic Medicine*, 74, Data supplement, A29.
 179. Sorocco, K.H., Cohoon, A.J., Vincent, A.S., Farag, N.H., & LOVALLO, W.R. *Personality and temperament alterations in young adults with early life adversity*. 70th Annual Meeting of the American Psychosomatic Society, Athens, Greece, March 14-17, 2012. [On-line.] *Psychosomatic Medicine*, 74, Data supplement, A59.

180. Sorocco, K.H., Carnes, B., Cohoon, A.J., Vincent, A.S., & LOVALLO, W.R. *Personal predictors of a substance use diagnosis: Role of Family history, personality, affect, and early life adversity*. 71st Annual Meeting of the American Psychosomatic Society, Miami, FL, March 13-16, 2013. [On-line.] *Psychosomatic Medicine*, 75, Data supplement, A129-A130.
181. Phillips, A.C., LOVALLO, W.R., de Rooij, S.R., Ginty, A.T., Hughes, B.M., & Gianaros, P. *Blunted physiological responses to acute psychological stress*. 71st Annual Meeting of the American Psychosomatic Society, Miami, FL, March 13-16, 2013. [On-line.] *Psychosomatic Medicine*, 75, Data supplement, A6-A7.
182. LOVALLO, W.R., Enoch, M.-A., Yechiam, E., Glahn, D.C., Acheson, A., Sorocco, K.H., Hodgkinson, C.A., Kim, B., Cohoon, A.J., Vincent, A.S., & Goldman, D. *Differential impact of serotonin transporter activity on temperament and behavior in persons with a family history of alcoholism in the Oklahoma Family Health Patterns project*. 72nd Annual Meeting of the American Psychosomatic Society, San Francisco, CA, March 12-15, 2014. [On-line.] *Psychosomatic Medicine*, 76, Data supplement, A77.
183. LOVALLO, W.R., Sollers, J.J., III., Cohoon, A.J., Vincent, A.S., Webb, N., & Sorocco, K.H. *Early life adversity alters vagal regulation of the heart in relation to heart rate stress reactivity and psychopathic tendencies: Studies from the Oklahoma Family Health Patterns project*. 72nd Annual Meeting of the American Psychosomatic Society, San Francisco, CA, March 12-15, 2014. [On-line.] *Psychosomatic Medicine*, 76, Data supplement, A49.
184. Acheson, A., Wijtenburg, A.S., Rowland, L., Winkler, A., Gaston, F., Mathias, C.W., Fox, P.T., LOVALLO, W. R., Wright, S., Hong, E., Dougherty, D. M., & Kochunov, P. *Impairments in white matter integrity in adolescents and young adults with a family history of alcohol and other substance-use disorders*. 37th Annual Scientific Meeting of the Research Society on Alcoholism. Bellevue, WA, June, 21-25, 2014. *Alcoholism-Clinical and Experimental Research*, 38S1, 233A.
185. LOVALLO, W.R., Enoch, M.-A., Sorocco, K.H., & Goldman, D. *Cortisol stress reactivity differences in men and women regulated by the mu-opioid receptor gene polymorphism (OPRM1 A118G)*. Paper presented at the 73rd Annual Meeting of the American Psychosomatic Society, Savannah, GA, March 18-21, 2015. [On-line.] *Psychosomatic Medicine*, 77, Data supplement, A83.
186. LOVALLO, W.R. *Early life adversity as a pathway to reduced stress reactivity, disinhibited behavior, and risk for substance use disorders*. Symposium on Stress Reactivity and Health, 73rd Annual Meeting of the American Psychosomatic Society, Savannah, GA, March 18-21, 2015. [On-line.] *Psychosomatic Medicine*, 77, Data supplement, A14.
187. Phillips, A.C., LOVALLO, W.R., Jennings, J.R., Ginty, A.T., Salomon, K., & McCubbin, J. *Stress reactivity and health: From exaggerated to diminished reactivity, implications for disease risk*. Symposium on Stress Reactivity and Health, 73rd Annual Meeting of the American Psychosomatic Society, Savannah, GA, March 18-21, 2015. [On-line.] *Psychosomatic Medicine*, 77, Data supplement, A14.
188. LOVALLO, W.R. *Early-life adversity interacts with FKBP5 genotypes: Gene-by-environment interaction in the Oklahoma Family Health Patterns project*. Paper presented at the, 74th Annual Meeting of the American Psychosomatic Society, Denver, CO, March 9-12, 2016. [On-line.] *Psychosomatic Medicine*, 78, Data supplement, A 30
189. Sorocco, K. H., Cohoon, A. J., McKey, B. S., & LOVALLO, W. R. *Opioid receptor genotype (OPRM1 A118G) predicts harm avoidance in men and women*. Paper presented

- at the, 75th Annual Meeting of the American Psychosomatic Society, Seville, Spain, March 15-18, 2017. [On-line.] *Psychosomatic Medicine*, 79, Data supplement, xxx.
190. Acheson, A., Wijtenburg, S.A., Rowland, L.M., Lovallo, W.R., Liang, Y., Mathias, C.W., Hong, E., Kochunov, P., Dougherty, D.M. (2017). *Developmental trajectories of white matter microstructure in youths at high and low risk for substance use disorders*. Poster presented at the 24th Annual Meeting of the Organization for Human Brain Mapping, Vancouver, Canada, June 25-29, 2017.

e. Invited presentations:

1. *The relationship of active versus passive coping to autonomic responses during exposure to aversive stimulation in Type A men: Possible experimental models*. Invited address, NATO Advanced Study Institute, Castera Verduzan, France, August, 1981.
2. *Current studies of autonomic activity in Type A and B men exposed to acute laboratory stressors and to occupational stressors*. Visiting Professor at the University of Miami, March, 1982.
3. *Cardiovascular and somatic effects of active and passive coping in young men*. Annual Meeting of the Society for Psychophysiological Research, Monterey, California, October, 1983. LOVALLO, W.R., & Wilson, M.F. *Psychophysiology*, 1983, 20, 420.
4. *Occupational stress and the Type A behavior pattern: Work pressure effects on male medical students*. Annual Meeting of the Society for Behavioral Medicine, Philadelphia, PA, May, 1984.
5. *The use of impedance cardiography in studies of psychological stress in humans*. Annual Meeting of The American Association for the Advancement of Medical Instrumentation, Boston, Massachusetts, May, 1985.
6. *The effects of caffeine on vascular function and on the physiological response to final examination stress in medical students*. Presented at the Oklahoma College of Osteopathic Medicine and Surgery, April 19, 1985.
7. *Predicting cardiovascular response to stress: Type A behavior compared with cardiovascular reactivity*. Department of Psychology, University of Oklahoma, Norman, Oklahoma, March, 1986.
8. *Family history studies: Their use in the evaluation of stress mechanisms in hypertension and coronary heart disease*. Discussion meeting organized by the Commission of the European Communities, Amsterdam, The Netherlands, October, 1987.
9. *Caffeine and its effects on responses to behavioral stressors*. Workshop on "Cardiovascular reactivity: Measurement and meaning," The Annual Scientific Sessions of the Society for Behavioral Medicine, Boston, MA, April, 1988.
10. *The review process in evaluation of clinical trials and outcomes in behavioral medicine research*. Panel discussion on "The shaping of behavioral medicine: The applicant, the reviewers, and federal grant policies," The Annual Scientific Sessions of the Society for Behavioral Medicine, San Francisco, CA, March - April, 1989.
11. *Caffeine and its effects on behavioral stress responses in persons at risk for hypertension*. Invited lecture to the Department of Psychology, Behavioral Medicine Section, University of Pittsburgh, Pittsburgh, PA, June, 1989.
12. Host, conversation hour, *Cardiovascular Reactivity*. The Annual Scientific Sessions of the Society of Behavioral Medicine, Chicago, April 20, 1990.
13. *Epidemiological applications of studies on the cardiovascular effects of caffeine*. Visiting professor, National Heart Lung and Blood Institute, Bethesda, MD, April 25, 1992.
14. *The cardiovascular and endocrine effects of caffeine during behavioral stress in young men*.

- Visiting professor, University of British Columbia, Vancouver BC, Canada, November 10, 1993.
15. Discussant, symposium on, *Moving from acute cardiovascular reactivity to recovery protocols*. Annual Meeting of the American Psychosomatic Society, Boston, MA, April 15, 1994.
 16. *Paradigms and methods in cardiovascular research*. "Interdisciplinary Symposium on Cardiovascular Psychophysiology," Heinrich-Heine-University, Düsseldorf, Germany, July 4, 1994.
 17. Discussant, symposium on, *Caffeine, behavior, and cardiovascular disease risk*. International Congress of Behavioral Medicine, Amsterdam, July 9, 1994.
 18. *Non-Invasive Cardiovascular Measurement*. Annual General Clinical Research Center National Meeting, San Diego, CA, March 1, 1995.
 19. Discussant, trainee paper session. National Heart Lung and Blood Institute Cardiovascular Epidemiology/Biostatistics and Behavioral Medicine Trainee Session, Annual Conference on Cardiovascular Disease Epidemiology, San Antonio, TX, March 8, 1995.
 20. Organizer and presenter, CME workshop on, *Cortisol: Its measurement and uses in behavioral medicine research*. The Annual Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA, March 22, 1995.
 21. Organizer and presenter, CME workshop on, *Cortisol: Its measurement and uses in behavioral medicine research*. The Annual Scientific Sessions of the Society of Behavioral Medicine and Fourth International Congress of Behavioral Medicine, Washington D.C., March 16, 1996.
 22. Grand Rounds Presenter, *Epidemiological applications of studies on the cardiovascular effects of caffeine*. Department of Preventive Medicine Grand Rounds, Rush-Presbyterian-St.Lukes Medical Center, Chicago, IL, February 20, 1996.
 23. Presenter, *Social processes and health: How stress reprograms the brain*. Symposium on, "Mind-Body Connection in Cardiac Health," SUNY Buffalo, Millard Fillmore Hospitals, May 29, 1997.
 24. Presenter, *Current developments in impedance cardiography*. Workshop on, "Current developments in cardiovascular psychophysiology." The Annual Scientific Sessions of the Society for Psychophysiological Research, Denver, CO, September 27, 1998.
 25. Organizer and presenter, CME workshop on, *Cortisol: Its measurement and uses in behavioral medicine research*. Annual meeting of the Society of Behavioral Medicine, San Diego, CA, March 3, 1999.
 26. Presenter, *Negative emotions and central integrations of the stress response*. Symposium on, "Altering negative emotions and attitudes: The problem and prospects." Annual Meeting of the Academy of Behavioral Medicine Research, Wintergreen, VA, June 12, 1999.
 27. Host, roundtable discussion on, *Cortisol: Its measurement and uses in behavioral medicine research*. Annual meeting of the American Psychosomatic Society, Vancouver, B.C.
 28. Visiting Professor and Seminar Presenter, *The central neurobiology of the emotions: Affective responses and regulation of cortisol secretion*. Institute for Health, Rutgers University, New Brunswick, NJ, November 11, 1999.
 29. Host, roundtable discussion, *Use and measurement of cortisol in behavioral medicine research*. Annual meeting of the Society of Behavioral Medicine, Nashville, TN, April 8, 2000.
 30. Expert consultant for individual mentoring sessions with members. The Annual Scientific Sessions of the Society of Behavioral Medicine, Nashville, TN, April 8, 2000.
 31. Plenary address, *Psychophysiological studies of caffeine effects on cardiovascular and*

- endocrine function in hypertension risk groups*. Annual Congress of the German Society of Psychophysiological Research, Düsseldorf, Germany, June 23, 2000.
32. Discussant, Symposium on, *Emotional complexity: A framework for integrating affect science and psychosomatic medicine*. Annual Meeting of the American Psychosomatic Society, Monterey, CA, March 9, 2001.
 33. Plenary Address, Oklahoma Center for Neuroscience, Annual Symposium, *The central neurobiology of the emotions: Affective responses and implications for health*. October 10, 2002.
 34. Visiting Professor and Seminar Presenter, *The cardiovascular and endocrine effects of caffeine: New findings in women*. Rush Presbyterian-St. Lukes Medical Center, College of Nursing, July 2002.
 35. Presenter, *Physiologic markers of chronic stress in premenopausal, middle-aged women*. Symposium on, "Chronic stress, allostatic load, and physiological responsivity." 11th World Congress of Psychophysiology, Montreal, Canada, July 2002.
 36. Nancy and Lawrence Golden Lecturer in Mind-Body Medicine, *The central neurobiology of the emotions: Affective responses and implications for health*. College of Medicine, SUNY, Buffalo, NY, October 2002.
 37. Keynote speaker, *Emotions: Relationships to health and disease*. The Fifth Conference on Psychology and Health, Rolduc, Kerkrade, the Netherlands, May 10-13, 2004.
 38. Special Didactic Lecture, *Cardiovascular reactivity: Mechanisms and pathways to cardiovascular disease*. 12th World Congress of Psychophysiology, Thessaloniki, Greece, September 18-23, 2004. *International Journal of Psychophysiology*, 54, 5.
 39. Keynote speaker, *Cortisol-brain interactions in emotions and cognition*. The 44th Annual Meeting of the Society for Psychophysiological Research, Santa Fe, NM, October 20-24, 2004.
 40. Visiting Professor, *Risk for Alcoholism: Family History and Psychological Markers*. University of Indiana, Department of Psychology, Bloomington, IA, July 2005.
 41. Presenter, *Autonomic and Endocrine Markers of Acute Psychological Distress*. National Science Foundation, Workshop on Security Evaluations, Alexandria, VA, July 2005.
 42. Presenter, Invited Round table discussion on Caffeine and Health, *Caffeine effects on blood pressure and stress responses in persons at risk for developing hypertension*. 8th International Symposium on Adenosine and Adenine Nucleotides, May 24-28, 2006, Ferrara, Italy. *Purinergic Signalling* (2006) 2, 31.
 43. Visiting Professor, *Risk for Alcoholism: Family History and Psychological Markers*. School of Medicine, University of Minnesota, Duluth, MN, September 12, 2006.
 44. Visiting Professor, *Risk for Alcoholism: Family History and Psychological Markers*, NIH, NIAAA, Laboratory of Neurogenetics, Washington, DC, October 31, 2006.
 45. Presidential Address, 66th Annual Meeting of the American Psychosomatic Society, *Emotional Reactivity in Children of Alcoholics: Family History & Psychological Markers*, Baltimore, MD, March 13, 2008.
 46. Invited presentation, *Cardiovascular reactivity: Mechanisms and pathways to disease*. Doshisha Symposium on Behavioral Medicine, Kyoto, Japan, August 25, 2008.
 47. Discussant, symposium on, *The anatomy of emotion regulation: Brain, heart, and body*. 10th International Congress of Behavioral Medicine, Tokyo, Japan, August 27-30, 2008.
 48. Visiting Professor, *Risk for Alcoholism: Family History and Psychological Markers*. VA Medical Center, Rochester NY, December 5, 2008.
 49. Visiting Professor, *Cortisol and Emotional Reactivity*. Department of Psychology, Rochester NY, December 6, 2008.

50. Invited Organizer and Discussant, Symposium on *Caffeine and health*. Purines 2010: Adnine Nucleosides and Nucleotides in Biomedicine, May 30 – June 2, 2010, Barcelona, Spain.
51. Warren Lecture in Neuroscience, *Emotional reactivity and early life adversity*. Laureate Institute for Brain Research, February 7, 2012.
52. Visiting Professor, *Impact of early life adversity on stress reactivity, impulsive behavior, and cognition*. Institute for Behavioral Medicine Research, The Ohio State University, April 17 & 18, 2012.
53. Discussant, symposium on, *Blunted physiological responses to acute psychological stress*. 71st Annual Meeting of the American Psychosomatic Society, Miami FL, March 13-16, 2013.
54. LOVALLO, W.R., Sorocco, K.H., Farag, N.H., Vincent, A.S., & Cohoon, A.J. *The impact of lifetime adversity in persons with a family history of alcoholism from the Oklahoma Family Health Patterns Project*. Symposium presentation at the 36th Annual Scientific Meeting of the Research Society on Alcoholism in recognition of the 30th Anniversary of the National Association for Children of Alcoholics (NACoA). Orlando, FL, June, 22-26, 2013.
55. Keynote speaker, *Blunted stress reactivity, early life adversity, and risk for substance use disorders*. Cardiovascular Stress Reactivity Conference, School of Sport, Exercise and Rehabilitation Services, University of Birmingham, Birmingham UK, June 12, 2014.
56. LOVALLO, W.R. *Lifetime adversity has a disproportionate impact in persons with a family history of alcoholism: The Oklahoma Family Health Patterns Project*. Symposium presentation at the 37th Annual Scientific Meeting of the Research Society on Alcoholism. Bellevue, WA, June, 21-25, 2014. *Alcoholism-Clinical and Experimental Research*, 38S1, 356A.
57. Group coleader. *Grant writing mentorship*. Preconvention workshop on grant writing, 73rd Annual Meeting of the American Psychosomatic Society, Savannah, GA, March 18-21, 2015.
58. Group coleader. *NIAAA-supported research: A grantsmanship workshop*. Workshop presentation at the 38th Annual Scientific Meeting of the Research Society on Alcoholism. San Antonio, TX, June, 20-24, 2015. *Alcoholism-Clinical and Experimental Research*, 38S1, 356A.