

CURRICULUM VITAE

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NAME: Charles Louis Raison

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PLACE AND DATE OF BIRTH: Dinuba, California, December 26, 1957

CITIZENSHIP: USA

CURRENT TITLES AND AFFILIATIONS:

Academic Appointments:

2011 Associate Professor, Department of Psychiatry, University of Arizona
College of Medicine and John & Doris Norton School of Family and
Consumer Sciences, College of Agriculture, University of Arizona, Tucson,
AZ

Clinical Appointments:

1999-2011 Clinician, Emory Clinic, Emory University School of Medicine, Atlanta,
Georgia

2012- Clinician, University Physicians Healthcare, Tucson AZ

PREVIOUS ACADEMIC AND PROFESSIONAL APPOINTMENTS:

1995-1999 Assistant Clinical Professor, Department of Psychiatry and Biobehavioral
Sciences, University of California at Los Angeles (UCLA), Los Angeles, CA

1995-1999 Director, Emergency Psychiatric Services, UCLA Neuropsychiatric Institute
and Hospital, Los Angeles, CA

1998-1999 Associate Director, Consultation & Evaluation Services, UCLA
Neuropsychiatric Institute and Hospital, Los Angeles, CA

1997-1999 Consulting Psychiatrist, UCLA Congenital Heart Disorders Clinic, UCLA
Medical Center, Los Angeles, CA

1996-1999 Consulting Psychiatrist, UCLA Seizure and Telemetry Service, UCLA Medical Center, Los Angeles, CA

1995-1999 Attending Physician, Adult Inpatient Service, UCLA Neuropsychiatric Institute and Hospital, Los Angeles, CA

1999-2006 Assistant Professor, Clinical Track, Department of Psychiatry and Behavioral Sciences, Emory University School of Medicine, Atlanta, Georgia

2006-2010 Assistant Professor, Tenure Track, Department of Psychiatry and Behavioral Sciences, Emory University School of Medicine, Atlanta, Georgia

2000-2011 Guest Researcher, Centers for Disease Control and Prevention, Atlanta, Georgia

1999-2002 Director, Consultation-Liaison Services, Grady Memorial Hospital System, Emory University School of Medicine, Atlanta, Georgia

2004-2011 Director, Behavioral Immunology Clinic, Department of Psychiatry and Behavioral Sciences, Emory University School of Medicine, Atlanta, Georgia

2006-2011 Co-Director, Collaborative for Contemplative Studies, Emory University, Atlanta GA

2007-2011 Clinical Director, Emory Mind Body Program, Department of Psychiatry and Behavioral Sciences, Emory University School of Medicine, Atlanta, Georgia

2011- Associate Professor with tenure, Department of Psychiatry and Behavioral Sciences, Emory University School of Medicine, Atlanta, Georgia

LICENSURE: Georgia State Medical License
DEA# BR3895856

SPECIALTY BOARDS: Diplomate, American Board of Psychiatry and Neurology, 1996, renewed 2007

EDUCATION:

Undergraduate:

1976-1980 Stanford University, Stanford, CA, B.A. in Anthropology with honors and departmental distinction

Graduate:

1982-85	University of Denver, Denver, CO, M.A. in English, with emphasis in creative writing
<i>PreMedical:</i>	
1985-86	Bryn Mawr College, Bryn Mawr, PA, Premedical Program, Post Baccalaureate
<i>Medical:</i>	
1987-91	Washington University School of Medicine, St. Louis, MO, M.D. degree

POSTGRADUATE TRAINING:

1991-1992	Internship, Department of Psychiatry and Biobehavioral Sciences, UCLA Neuropsychiatric Institute and Hospital, Los Angeles, CA
1992-1995	Psychiatric Residency, Department of Psychiatry and Biobehavioral Sciences, UCLA Neuropsychiatric Institute and Hospital, Los Angeles, CA
1994-1995	Chief Resident, Adult Inpatient Services, Department of Psychiatry and Biobehavioral Sciences, UCLA Neuropsychiatric Institute and Hospital, Los Angeles, CA

COMMITTEE MEMBERSHIPS:

National and International:

2011	Invited Member, The Placebo Effect: Mechanisms and Methodology Review Panel, jointly sponsored by NIAAA, NIDA and NCCAM
2011	Invited grant reviewer, The Netherlands Organisation for Health Research and Development (ZonMw)
2011	Member, National Library of Medicine Scholarly Works (G13) Special Emphasis Panel (ZLM1 ZH-P)
2011	Chairman, U.S. Psychiatric and Mental Health Congress
2010-	Psychoneuroimmunology Research Society Scientific Meeting Program Planning Committee
2010-	Psychoneuroimmunology Research Society Communications Committee
2010-	Scientific President, European Association of Clinical Psychoneuroimmunology
2010	Invited grant reviewer for the Wellcome Trust, London UK

- 2010 Member, National Heart Lung and Blood Institute Special Emphasis Panel for Conference Grant (R13) Applications
- 2010 Member, National Center for Complementary and Alternative Medicine Special Emphasis Panel/Scientific Review Group 2010/05 ZAT1 PK (10) L
- 2009- Senior Fellow for the Mind & Life Institute, a position which provides scientific guidance/strategy for the Institute
- 2009- Member, Transforming Trauma Leadership Council, Garrison Institute, Garrison, NY
- 2009 Invited reviewer for NIH/CSR Challenge Grant Program
- 2009 Member, Mechanisms of Immune Modulation” review meeting held by the National Center for Complementary and Alternative Medicine (NCCAM / NIH)
- 2008 Member, the Chronic Fatigue and Immune Dysfunction Syndrome Association of America, RFA for discovery of biomarkers and methods for early detection, objective diagnosis and effective treatment of CFS grant review panel
- 2007- Member, Small Grants for Behavioral Research in Cancer Control Council ZCA-1 SRLB-H 01 S. National Cancer Institute
- 2007- Member, Board of Directors, Projects Linking Art, Community & Environment (PLACE), a national nonprofit organization that helps communities create state-of-the-art buildings and neighborhoods that bring together the arts, environmentalism and social justice.
- 2007 Ad hoc Reviewer for the John Templeton Foundation
- 2007 Ad hoc Reviewer, Behavioral and Social Consequences of HIV/AIDS Scientific Review Group
- 2006 Co-Chair, External Blue Ribbon Panel (EBRP) called to review the Chronic Fatigue Syndrome Research Program (CDC-CFSRP) within the Centers for Disease Control and Prevention, Atlanta, GA
- 2006 Member, Special Emphasis panel (ZMH1-ERB-S-07) for “HIV and Psychiatric Comorbidity Research Project” RFA-MH-07-020 and -21, National Institutes of Health
- 2006 Member, Special Emphasis RFA panel for “Neuroimmune Mechanisms and Chronic Fatigue Syndrome” RFA-OD-06-006, National Institutes of Health

2006	Ad hoc Reviewer for Health Review Board of Ireland
2005-present	Ad hoc Reviewer for National Institute of Mental Health BSTART program
2005-present	Ad hoc Reviewer for Department of Veteran Affairs Career Development Awards
Institutional:	
2011-	Member, Center for Health Discovery and Well-Being Technical Advisory Group
2007-	Member, Neuroscience Initiative and Comprehensive Neuroscience Center (NI-CNC) Research Committee
2007-	Member, Religion and the Human Spirit Strategic Initiative Advisory Committee
2007	Planning Committee for Mind and Life XV dialogue with His Holiness the Dalai Lama: “Mindfulness, Compassion and the Treatment of Depression”
2006	Religion and Human Spirit Strategic Planning Committee, Emory University, Atlanta, GA
2005-present	Standing Nominations Committee, Emory University School of Medicine, Atlanta, GA
2005-present	Strategic Planning Committee, Department of Psychiatry and Behavioral Sciences, Emory University School of Medicine, Atlanta, GA
2001-present	Emory-Tibet Partnership Executive Committee, Emory University, Atlanta, GA
2001-present	General Clinical Research Center Advisory Council, Emory University School of Medicine, Atlanta, GA
1999-2003	Emory Medical Care Foundation Research Committee, Grady Hospital, Emory University School of Medicine, Atlanta, GA
1998-1999	Clinical Coordinating Committee, UCLA Neuropsychiatric Institute and Hospital, Los Angeles, CA
1997-1999	Emergency Care Committee, UCLA Center for Health Sciences, Los Angeles, CA
1996-1999	UCLA Neuropsychiatric Institute and Hospital Consultation-Liaison Administrative Committee, Los Angeles, CA

- 1995-1999 Adult Division Core Faculty Committee, UCLA Neuropsychiatric Institute and Hospital, Los Angeles, CA
- 1995-1999 Credentials and Ethics Committee, UCLA Neuropsychiatric Institute and Hospital, Los Angeles, CA
- 1995-1999 Department Executive Committee, UCLA Neuropsychiatric Institute and Hospital, Los Angeles, CA
- 1995-1999 Voluntary Clinical Faculty Academic Appointments & Advancements Committee, UCLA Neuropsychiatric Institute and Hospital, Los Angeles, CA
- 1995-1999 Peer Review Committee, UCLA Neuropsychiatric Institute and Hospital, Los Angeles, CA

CONSULTANTSHIPS:

- 2011- Bristol Myers Squibb
- 2011- Pamlab
- 2011- Biorex Therapeutics LLC
- 2009- American Academy of Physician Education, Psychiatry and Pain Advisory Board
- 2008- CME, LLC, Educational Steering Committee
- 2008- Mental Health Expert, CNNhealthcare.com
- 2008- Chief Scientific Advisor, ContemplativeHealth
- 2008- Integrative Neurobiology Educational Alliance, founding member
- 2008-2009 Mind-Body Medicine and Spirituality Consultant for eGenHealth
- 2008- Scientific and clinical content development consultant for *The Mind Body Link Unipolar and Bipolar Disorders: Implications for a New Treatment Paradigm*. This series of highly innovative half-day CME symposia is being held in major cities across the United States and will provide an integrative perspective on risk factors, physiological mechanisms, brain activity changes and adverse health outcomes shared by bipolar and unipolar conditions. Co-developed with Vladimir Maletic, MD, and Rakesh Jain, MD.
- 2007- Scientific Affiliate, Mind and Life Institute

- 2006-2007 Co-developed National Program *Neurobiology of Depression: Mind and Body* for Eli Lilly
- 2006-present Clinical Care Options for Hepatitis. Have developed slide content and accompanying written chapter for the *Depression and Suicidal Risk Associated with HCV Treatment* segment of a National CME program on Depression during Treatment with Interferon-alpha as well as enduring written materials on treatment of IFN-alpha-induced psychiatric side effects
- 2006 United States Attorney's Office, Los Angeles CA. Retained as expert consultant for the assessment of the possible role played by treatment with interferon-alpha in a federal prisoner who attempted to commit murder while receiving the medication
- 2006-2007 International Fatigue Advisory Board, Schering Plough Pharmaceuticals
- 2006 International Depression Advisory Board, Schering Plough Pharmaceuticals
- 2006 Advisory Board for Treatment Trial of RedIon Technology in Patients with Hepatitis C, Boston Medtech Advisors
- 2006 Depression Education Advisory Board, Wyeth Pharmaceuticals
- 2006-2007 Neurobiology of Depression Educational Advisory Board, Eli Lilly Pharmaceuticals. With Vladimir Maletic co-developed the 2007 Neurobiology of Depression National Speakers' series slide deck
- 2005 Stakeholders Task Force member, Projects in Knowledge, Inc.

EDITORIAL BOARDS

Brain, Behavior and Immunity

MANUSCRIPT REVIEWER (all active):

Nature Reviews Neuroscience, Proceedings of the National Academy of Science, Journal of Affective Disorders, Biological Psychiatry, Journal of Psychosomatic Research, International Clinical Psychopharmacology, Journal of Clinical Psychiatry, Psychosomatic Medicine, Journal of Hepatology, Neuropsychopharmacology, General Hospital Psychiatry, Psychological Medicine, Archives of General Psychiatry, Psychosomatics, American Journal of Psychiatry, Journal of Postgraduate Medicine, Journal of Psychiatric Research, Clinical Drug Investigation and Drugs in R&D, Neuroscience Letters, The American Journal of Gastroenterology, Neuropsychiatric Disease and Treatment, Psycho-Oncology, Brain, Behavior and Immunity, Psychoneuroendocrinology

HONORS AND AWARDS:

2011 Champion of Hope Award from the Africa's Children's Fund

2011 Distinguished Visiting Professorship, Brooke Army Medical Center, San Antonio, TX

2011 Invited Member, Emory University Public Scholars Seminar

2011 Chairman of the U.S. Psychiatric and Mental Health Congress

2009- Senior Fellow of the Mind & Life Institute

2009-2010 Who's Who in Medicine and Healthcare

2009 American Psychiatric Association Ninth Annual Research Colloquium for Junior Investigators, Invited Faculty Member

2008 Semi-finalist presidential search for Naropa University, Boulder, CO

2006 Emory College Seed Fund Award to Improve the Research Profile of the Arts and Sciences

2006 Future Leaders in Psychiatry Travel Award

2005 Emory College Seed Fund Award to Improve the Research Profile of the Arts and Sciences

2005 Emory University Teaching Fund Award to develop interdisciplinary course entitled *Phenomenology of Depression: Body, Mind and Culture*.

2005 Who's Who in Medical Sciences Education

2004 National Institutes of Health Extramural Loan Repayment Program Award

2004 American Psychiatric Association Ninth Annual Research Colloquium for Junior Investigators, Invited Member

2003 Emory University Medical Students' Teaching Award for Psychiatry

2002 National Institutes of Health Extramural Loan Repayment Program Award

2002 American Psychiatric Association Seventh Annual Research Colloquium for Junior Investigators, Invited Member

2002-2006 K23 Mentored Patient-Oriented Research Career Development Award, National Institute of Mental Health

2001 Bristol Meyers Squibb Young Faculty Development Award

2001 Emory University Psychiatry Senior Residents' Outstanding Educator Award

- 2000 Emory University Teaching Fund Award for the development of an interdisciplinary course entitled *Psychobiological Foundations of Personhood: Tibetan Buddhist and Western Perspectives*
- 2000 Emory Medical Care Foundation Research Award
- 2000 Future Leaders in Psychiatry Travel Award
- 1998 Balm Foundation Research Grant
- 1993 American Psychoanalytic Association Fellow
- 1991 Alpha Omega Alpha, Washington University Chapter
- 1991 Missouri State Medical Association Award
- 1984 Colorado State Fellow, University of Denver

SOCIETY MEMBERSHIPS (all active):

American Psychiatric Association
 International Society for Affective Disorders (Fellow)
 Psychoneuroimmunology Research Society
 International Society for Psychoneuroendocrinology

RESEARCH FOCUS:

My research focuses on inflammation and the development of depression in response to illness and stress. I aim to translate neurobiological findings into novel pharmacological and behavioral interventions. These interventions range from the application of cytokine antagonists to treatment resistant depression to teaching compassion meditation as a preventive health strategy.

GRANT SUPPORT (direct costs):

Active Support:

i. Federally and State funded:

1R01AT007297, “Inflammation, Stress, and Social Behavior: Using Ecological Assessments and Model Systems” Role: Principal Investigator. \$495,000 average per year direct costs funded by National Center for Complementary and Alternative Medicine (NCCAM), September 2011—August 2015

3R01AT004698-01A1S1, “Mechanisms of Meditation” Competitive Revision, role: Principal Investigator, \$237,241 per year direct costs. September 30, 2009 to September 29, 2011, funded by National Center for Complementary and Alternative Medicine (NCCAM)

1RC1AT005728, “Imaging Cerebral and Sub-cerebral Correlates of Meditative States”, role: Principal Investigator for Emory Sub-Award, \$249,818 per year direct costs. September 30, 2009 to September 29, 2009.

R01AT004698, “Mechanisms of Meditation”, role: Principal Investigator, \$250,000 per year direct costs. May 1, 2009 to April 30, 2014, funded by National Center for Complementary and Alternative Medicine (NCCAM)

ii. Private and University funded:

Private Donor Support from Joni Winston to support the development of compassion meditation in adolescents and children and to aid in funding of the Compassion and Attention Longitudinal Meditation Study, \$100,000.

Previous Support (direct costs):

NIMH R01 #MH70553, “Cytokine-CRH Interactions in IFN- α -induced Depression”, role—Principal Investigator, January 13, 2005 to December 31, 2009—in no cost extension, \$200-225,000/year

R21MH077172, “Neurobiological and Behavioral Effects of Cytokine Antagonism in Major Depression”, role: Principal Investigator; January 1, 2008 to December 31, 2009—in no cost extension, \$200,000 to 225,000 a year

NIH R01 #MH075102, “Neuroimmune Mechanisms of Glucocorticoid Resistance”, role - Co-Investigator, April 1, 2006 to March 31, 2011, \$125-175,000/year

“A Study of Cognitively-Based Compassion Training (CBCT) to Enhance Health and Well-Being in Adolescents in Foster Care in Metropolitan Atlanta”. Role: Principal Investigator, \$300,000 in American Recovery and Reinvestment Act Funding provided by the Georgia Department of Human Services. April 1, 2010 to September 30, 2010 and \$250,000 in funding from Georgia DHS, 10/01/10-06/30/2011.

NIMH K23 #MH064619, “Glucocorticoid Resistance in Immune-based Depression”, role – Principal Investigator, January 1, 2002 to December 31, 2006, \$105,000/year

Emory University Religion Health Collaborative Grant, Principal Investigator. 01/01/09-12/31/10. \$15,000. This award will allow the development and testing of an instrument for more accurately assessing numerous aspects of meditation practice.

Emory University Contemplative Studies Initiative, Co-Director, October 2006 to September 2011, average funding \$150,000/year. Co-Principal Investigator for the Program in Contemplative Practices and Optimal Health within the Contemplative Studies Initiative

Centers for Disease Control and Prevention, “Interferon Alpha as a Model System to

Study Chronic Fatigue Syndrome”, role—Co-principal Investigator, August 1, 2000 to September 1, 2007, \$100,000 year

Emory College Seed Funding Award “Compassion Meditation as a Strategy to Protect Against Depressive Symptoms in Freshman College Students”, role Principal Investigator, September 2005 to July 2007.

NIH R01 #HL073921, “Pathophysiology of IFN-alpha-induced Sleep Disturbances”, role – Co-Investigator, March 15, 2004 to March 15, 2009, \$150-175,000/year

Emory Medical Care Foundation “Body Temperature in Patients Receiving Interferon-alpha”, role: Principal Investigator; \$25,000

Balm Foundation Award “Physiological Mechanisms of Advanced Tibetan Buddhist Meditation”, role—Principal Investigator, 1998-1999, \$25,000

Research Studies and Clinical Trials:

- 2011 Principal Investigator, *Hyperthermia for the Treatment of Major Depression: Physiological Mechanisms and Clinical Applications*, applying for NIH support
- 2010- Principal Investigator, *A Study of Cognitively-Based Compassion Training (CBCT) to Enhance Health and Well-Being in Adolescents in Foster Care in Metropolitan Atlanta*. Funding by Georgia Department of Human Services.
- 2010- Principal Investigator. *Mycobacterium vaccae for the Treatment of Major Depression*. Funding from Immodulon Therapeutics, Ltd.
- 2009- Co-Principal Investigator, *Prevalence of Chronic Unwellness in Adolescents in the Georgia Foster Care System*. Funding from Centers for Disease Control and Prevention and private donor support.
- 2008- Principal Investigator, *Compassion and Attention Longitudinal Meditation (CALM) Study*. Funding from Emory University Strategic Initiatives, NCCAM and private donor support.
- 2006- Principal Investigator, *An Evaluation of the Efficacy of the Tumor Necrosis Factor-alpha Antagonist Infliximab in Treatment Resistant Major Depression*, Emory University School of Medicine, Atlanta, GA. Funding from National Institute of Mental Health (R21MH77172) and Centocor, Inc.
- 2008- Co-investigator, *Pathophysiologic Mechanisms of Chronic Fatigue Syndrome: Neuroendocrinology, Neuroimaging and Genomics*, Centers for Disease Control and Prevention (CDC) and Emory University Department of Psychiatry and Behavioral Sciences

- 2005-2007 Principal Investigator, *Compassion Meditation as a Strategy for Reducing Depressive Symptoms and Physiological Stress Reactivity in Freshman College Students*, Emory University School of Medicine and Emory College, Atlanta, GA. Funding from Religion and the Human Spirit Emory University Strategic Initiative and from two Emory College Seed Fund Awards. This work has resulted in a competitively scored R01 application currently in resubmission at the National Center for Complementary and Alternative Medicine
- 2002-2008 Principal Investigator, *Effects of Trauma on Anxiety and Depression in Tibetan Youth Born in Tibet versus India*, School of Medicine and Rollins School of Public Health, Emory University, Atlanta, GA; and Tibetan Children's Villages, Dharamsala, Himachal Pradesh, India
- 2000-2009 Co-investigator, *Phenomenology and Pathophysiology of Interferon-alpha-induced Behavioral Change*. I am principal investigator on several sub-projects within this large research program (reflected in being PI on a K23 and R01 related to this project)
- 2000-2006 Co-Investigator, *A Multi-Center Randomized, Placebo-Controlled Trial of Paroxetine for the Treatment of Interferon-Alpha Associated Depression*, Emory University School of Medicine, Atlanta, Georgia; Additional Sites: University of Pennsylvania, Philadelphia, PA, Rush University School of Medicine, Chicago, IL, Albert Einstein College of Medicine, Bronx, NY

FORMAL TEACHING:

Medical Student Teaching:

- 1996-1999 Medical Student Course Instructor, MP 201 Psychopathology Course. UCLA School of Medicine
- 1995-1999 Psychiatry PS 11 Instructor, Medical Students-Psychiatry Clerkship. UCLA School of Medicine
- 1999 Lecturer, second year medical students, Emory University School of Medicine
- 2004-present Mentor for Emory University School of Medicine MD/PhD Clinical Research Conference (MDPH 799r/IBS799r)
- 2005-present Directed Study supervisor for 2nd year medical students, Emory University School of Medicine
- 2006- Lecturer, second year medical students, Emory University School of Medicine
- 2007- *When, Whence, Whither: how the origin, status and fate of consciousness impact the practice of medicine*. Lecture for Foundations in Neuroscience series, First Year Medical Student course, Emory University.

Graduate Program and Residency Program Teaching:

- 1995 Psychiatry for the Neurologist. Developed and co-taught this lecture series for neurology residents. UCLA Neuropsychiatric Institute
- 1995-1999 Developed and taught a Board Review class for psychiatry residents. UCLA Neuropsychiatric Institute
- 1995-1999 Psychiatry 497 Instructor, Consultation-Liaison Attending Rounds, UCLA Neuropsychiatric Institute
- 1995-1999 Psychiatry 421.2 Instructor, Adult Inpatient Attending Rounds and Consultation-Liaison Psychiatry service, UCLA Neuropsychiatric Institute
- 1995-1999 Psychiatry 420 Instructor, Consultation-Liaison Grand Rounds, UCLA Neuropsychiatric Institute
- 1995-1999 PS252.01 Instructor Adult Inpatient Services Seminar, UCLA Neuropsychiatric Institute
- 1995-1999 PS350.01 Instructor Adult Psychiatry Residency Program, UCLA Neuropsychiatric Institute
- 1999-2003 Fundamentals of Consultation Liaison Psychiatry. Developed all content and taught all lectures at this weekly seminar for residents and medical students on the Grady Hospital Psychiatric Consultation Liaison Service. Emory University Department of Psychiatry and Behavioral Sciences
- 2000-2004 Instructor and case discussant, Grady Hospital Inpatient Service Weekly Clinical Case Conference, Emory University Department of Psychiatry and Behavioral Sciences
- 2000- First-year Residents' Journal Club discussion leader, Emory University Department of Psychiatry and Behavioral Sciences
- 2001- Emory University Hospital Psychiatry Residents Case Conference, interviewer and discussant, Emory University Department of Psychiatry and Behavioral Sciences
- 2000- Grady Hospital Psychiatry Residents Case Conference, interviewer and discussant, Emory University Department of Psychiatry and Behavioral Sciences
- 2003- Seasonal affective disorder and circadian rhythms lecture for Mood Disorders curriculum for PGY-3 Emory Psychiatric Residents
- 2005- Evolutionary Perspectives on the Persistence of Genes for Major Depression in the Human Gene Pool. Emory University Department of Psychiatry and Behavioral Sciences PGY-2 Inpatient Residents' Seminar

- 2005- IBS 526, Neuroscience II - Neuroanatomy and Systems Neuroscience—
“Psychoimmunology Lecture”, Emory University Neurosciences Graduate Program
- 2006- Management of Depression in the Medically III: Novel Perspectives from Cytokine
Research. Emory University Department of Psychiatry and Behavioral Sciences
PGY-4 Residents’ Seminar
- 2008- Immune System and Mood Disorders lecture for Mood Disorders curriculum for
PGY-3 Emory Psychiatric Residents
- 2009- RLAR 737/PSYC 770: Topics in Asian Religion, “Mind and Brain from the
Perspective of Buddhism and Western Science”. Guest Lecturer on Stress and
Immune system interactions relevant to well being and positive psychosocial
connectivity.
- 2010 Department of Cardiology Clinical Research Conference, “Cytokines Sing the
Blues: Inflammation in the Pathophysiology and Treatment of Major Depression”.

Undergraduate Student Teaching:

- 2000 *Psychobiological Foundations of Personhood: Tibetan Buddhist and Western
Perspectives*. Developed and co-taught this novel interdisciplinary class with Geshe
Lobsang Tenzin, Ph.D., Department of Religion. Received a University Teaching
Fund award for this work. Emory University
- 2001 *Neuroscience and Eastern Wisdom: Similarities and Differences*. Taught at the
Emory Study Abroad Program in Dharamsala, India.
- 2006 *Depression and the Immune System* lecture and group discussion, Biology 470S:
Biology and History of Addiction & Depression. Emory University
- 2006 *A 360 Degree View of Addiction and Depression. A symposium on current
addiction and depression issues at Emory*, Biology 470S, with Charles L. Raison,
Howard Kushner, Ph.D. and Mark McLeod, Ph.D.
- 2006 *Cross-cultural views of medicine – East versus West. How has the mind/body
interface been dealt with historically?* Lecture with Geshe Lobsang Tenzin Negi,
Ph.D. (Religion) for the Emory undergraduate class “Mind/Body Issues in Medicine
(NBB470S). Emory University
- 2006 *Phenomenology of Depression: Body, Mind and Culture*. Co-course director and
teacher for half-semester interdisciplinary class within Departments of
Anthropology, Religion and Psychiatry, Emory University. This was a new course
for which I wrote and received a University Teaching Fund award. Emory
University

- 2004- Guest lecturer on mind-body interactions, REL 358R: *Religion and Healing: Tibetan Buddhist and Western Perspectives on the Mind-Body Connection* . Emory University
- 2007- *Mind-Body Program Seminar for Issues at the Interface of Science, Spirituality and Health*. Created and co-taught (with Geshe Lobsang Tenzin Negi, Ph.D.) this bi-weekly seminar is for undergraduate, medical and graduate students serving as volunteers within meditation-related research studies conducted under the auspices of the Emory Collaborative for Contemplative Studies
- 2008- *Immune Function and health*, lecture for ANT 385 003 Special Topics: Anthropology, BSHE 560R 001 Health Education Seminar – Advanced Seminar in Predictive Health and Society
- 2008-2009 *Religion and Healing: Implications of Interpersonal and Interphylogenetic Relationships*, lecture for Health and Healing: Understanding the Role of Religion, Religion 358, Theology School SR698, Public health: GH 590R.
- 2010- *Evaluating Scientific Studies of Meditation*, lecture for Health and Healing: Understanding the Role of Religion, Religion 358, Theology School SR698, Public health: GH 590R.
- 2011 Invited Lecturer, *The University Course: Methland*

SUPERVISORY TEACHING:

Graduate Students Directly Supervised (PhD and MPH):

- 2005-2006 Tyra Lynn Frazier, Ph.D student in the Department of Anthropology, Emory University, Atlanta, GA. I served as mentor for her research work related to meditation, depression and attachment style in college students.
- 2007-2009 Ashli Owen-Smith, Ph.D. student at Rollins School of Public Health, Emory University, Atlanta, GA. I serve as a consultant on her NRSA project on the use of Complementary and Alternative treatment modalities in patients with human immunodeficiency virus disease.
- 2007-2009 Bridhid Kleinman, Ph.D. student in Department of Psychology, Emory University, Atlanta, GA. I serve as co-dissertation advisor and mentor for her research on attachment and meditation
- 2008-2009 Beth Ann Brennan, supervised her dissertation looking at the effect of meditation training on emotional symptoms in college freshmen.
- 2008- Brooke Dodson-Lavelle, Ph.D. student in Department of Religion, Emory University, Atlanta, GA. I serve as a mentor on her dissertation project on relationships between specific meditation practices and health outcomes.

- 2007-2011 Jenny Mascaro, Ph.D. student in the Department of Anthropology, Emory University, Atlanta, GA. I served as a co-sponsor on her RSA application in the field of meditation research and sat on her dissertation committee.
- 2007- Pritpal Sidhu, Ph.D. student at Pacifica Graduate Institute, Carpinteria, CA. I serve as the external reader for Ms. Sidhu's dissertation committee on a project entitled "Mindfulness Meditation and ADHD: The Effects of Mindfulness Meditation on Increasing the Attention span in Attention-Deficit Hyperactivity Disorder".
- 2010-2011 Erica Lipizzi, MPH student at Rollins School of Public Health, Emory University. I serve as principle thesis advisor for Ms. Lipizzi who is examining predictors of engagement with meditation training that translate to improved physiological stress responses. Ms. Lipizzi is also working with me on a study of the effect of chronic immune activation on social behavior,.

Post-doctoral Fellows Directly Supervised:

- 2001-2002 Marina Demitrashvili, M.D., Assistant Professor, Department of Psychiatry, Emory University School of Medicine, co-mentored with Andrew H. Miller, M.D.
- 2005-2009 Monica K. Cowles, M.D. I co-mentor this fellow with Andrew H. Miller, M.D.
- 2005-2008 Oyetunde Alagbe, M.D., Department of Psychiatry, Emory University School of Medicine, co-mentored with Andrew H. Miller, M.D.
- 2009- Donna Evon, PhD, Dept. of Psychology, University of North Carolina Chapel Hill, mentor for her K23 application to study psychotherapy in patients receiving interferon-alpha
- 2010- Heather Ross, Department of Psychiatry and Behavioral Sciences, Emory University School of Medicine

Undergraduate Students Directly Supervised:

- 2006-2007 Marissa Krinsky, supervised research elective during Emory Semester Abroad Program in Dharamsala, India, and served as honors thesis advisor and committee chair
- 2006 Kristina Lam and Christine Blachly, supervised their research project entitled "Meditation and Depression" for Biology 470S: Biology and History of Addiction & Depression
- 2002-2004 David Buxton, supervised and helped student develop an extended research program to examine rates of depression and anxiety in Tibetan young people born and raised in exile in India/Nepal vs. Chinese-occupied Tibet. I helped student obtain a Vernacular Modernities Undergraduate Foreign Project Summer Scholarship and a Patrick Stewart Human Rights Scholarship to conduct this work.

2005-2007 Mentored a number of Emory undergraduate students who worked with me on my compassion meditation research project, including Walton Dumas, Doug Wetmore, Elizabeth Wilson, Drew Harbur (Sonny Carter Memorial Scholarship recipient), Ankith Kamaraju. Steven Lee and Nora Kleinman.

Medical Students Directly Supervised for Research:

2008- Simone M. Langness. I serve as supervisor for her second year medical school elective in Mind-Body Medicine

2007-2008 Timothy Johnson. I served as co-mentor with Viraj Master for a project on depression and prostate disease

2007 William Leasure. I served as research mentor for his 4th year Medical School research elective in which he worked on the study of compassion meditation

2007 Elliot Tapper, Directed study under my supervision on “The Mind-Body Connection: Clinical and Philosophical Perspectives

Other:

2006-present Founding faculty, co-creator of neuroscience curriculum and lecturer for Emory-Tibetan Science Education project for Monks, a collaborative project with the Library of Tibetan Works and Archives. With Preetha Ram (assistant dean of science education) and Geshe Lobsang (Department of Religion) I met with His Holiness the Dalai Lama in the summer of 2006 in Dharamsala, India, to articulate and plan an integrated science education program for Tibetan Buddhist monks in their final stages of monastic training. With Carol Worthman and Jim Rilling I developed the neuroscience curriculum for the first year’s program. I helped initiate the first Science Education session by spending 10 days during June 2008 teaching neuroscience (with Carol Worthman, Anthropology) to 40 Tibetan Buddhist monks and nuns in Dharamsala, India.

BIBLIOGRAPHY:

Scientific Articles Published in Peer-Reviewed Journals:

1. Raison CL, Guze BH, Kissell RL. Successful treatment of clozapine-induced agranulocytosis with granulocyte colony-stimulating factor (letter). *Journal of Clinical Psychopharmacology* 1994; 14:285-86.
2. Raison CL, Klein HM. Psychotic mania associated with fenfluramine and phentermine use (letter). *American Journal of Psychiatry* 1997; 154: 711
3. Raison C.L., Klein H.M., Steckler M.. The Moon and Madness reconsidered. 1998. *Journal of Affective Disorders* 53; 1: 99-106.

4. Raison, C.L., Miller, A.H. The Neuroimmunology of Stress and Depression. *Seminars in Clinical Neuropsychiatry*. 2001. 6; 4: 277-294
5. Raison, C.L., Marcin, M., Miller, A.H. Antidepressant treatment of cytokine-induced depression. *Acta Neuropsychiatrica*. 2002: 4.
6. Capuron, L., Raison, C.L., Lawson, D.H., Musselman, D.L., Su, C., Nemeroff, C.B., Miller, A.H. An exaggerated HPA axis response to initial injection of interferon-alpha is associated with depression during interferon-alpha therapy. *American Journal of Psychiatry* 2003; 160(7): 1342-1345.
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Articles Submitted or in Preparation:

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2. Raison, C.L. & Miller, A.H. The Evolutionary Significance of Depression in Pathogen Host Defense (PATHOS-D). *Molecular Psychiatry*, under review.

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4. Raison, C.L. The effects of hepatitis C and its treatment on mental health. *Focus: A Guide to AIDS Research and Counseling* 2006. 21(5): 5-6.
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Maletic, V., Jain, R., Raison, C.L. *100 Questions and Answers about Pain*. Jones and Bartlett Publishers, Inc. Sudbury, MA, 2010.

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Raison, C.L., Maletic, V. Jain, R. *The New Body-Mind Science of Depression: Scientific and Therapeutic Implications*, W.W. Norton, New York, 2011

Book Chapters:

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2. Raison, C.L., Pearce, B., Miller, A.H. Neuroendocrine-immune interactions: implications for health and behavior. In: **Hormones, Brain and Behavior, Vol. 5**. Eds: Pfaff DW, Arnold AP, Etgen AM, Fahrbach SE, and Rubin RT. Academic Press. San Diego. 2002 pg. 209-262.
3. Compton M, Raison, C.L., Nemeroff, C.B. Affective disorders: depression and mania. In: **Encyclopedia of Cognitive Sciences**. Nature Publishing Group. London. 2003. pg 51-57.
4. Raison, C.L., Miller, A.H. Brain—immune system interactions: relevance to the pathophysiology and treatment of neuropsychiatric disorders. In: **Textbook of Psychopharmacology, 3rd Edition**, eds. Schatzberg, A.F., Nemeroff, C.B. American Psychiatric Publishing, Inc. Washington, DC. 2004. pgs 147-162.
5. Raison, C.L., Miller, A.H., Papanicolaou, D.A., Reeves, W.C. Chronic Fatigue Syndrome. In: **The Concise Corsini Encyclopedia of Psychology and Behavioral Science**. Eds : Craighead WE and Nemeroff CB. John Wiley & Sons, Inc. Hoboken, NJ. 2004, pg 177-180.
6. Raison, C.L. Psychiatric and mental issues and Insomnia during therapy. In: **Handbook: The Management of Hepatitis C Infection**. Ed.: McHutchison, J.G. London. Science Press, Ltd. 2004.
7. Raison, C.L., Miller, A.H. Immune System and Central Nervous System Interactions. In: **Kaplan & Sadock's Comprehensive Textbook of Psychiatry, 8th Edition**. Eds: Sadock, B.J., Sadock, V.A. Philadelphia. Lippincott, Williams & Wilkins. 2005, pp. 137-161.
8. Raison, C.L., Purselle, D.C., Capuron, L., Miller, A.H. Treatment of Depression in Medical Illness. In: **Biology of Depression**. Eds: Licinio, J. and Wong, M. 2005, pp. 253-278.
9. Raison, C.L., Giese-Davis, J., Miller, A.H., Spiegel, D. Depression in Cancer: Mechanisms, Consequences and Treatment. In: **The Physician's Guide to Depression and Bipolar Disorders**. Eds: Evans, D.L., Charney, D.S., Lewis, L. 2006, pp. 377-409.
10. Norris, E.R., Raison, C.L. Depression. In: **Medical Management of the Surgical Patient: a Textbook of the Perioperative Patient**. Eds: Lubin, M.F., Smith, R.B., Dobson, T.F., Spell, N., Walker, H.K. 2006, pp 479-490.
11. Raison, C.L., Miller, A.H. Immune System and Central Nervous System Interactions. In: **Kaplan & Sadock's Comprehensive Textbook of Psychiatry, 9th Edition**. Eds: Sadock, B.J., Sadock, V.A. Philadelphia. Lippincott, Williams & Wilkins. 2009, pp 175-198.
12. Owen-Smith, A.A., Raison, C.L. Complementary and Alternative Medicine. In: **Clinical Manual of Prevention Principles in Mental Health Care**. Ed: Compton, M. American Psychiatric Publishing, Inc, 2009, pp 105-119.
13. Thompson, D.S., Raison, C.L., Jonas, C., Miller, A.H. Cancer and Depression: Phenomenology

and Pathophysiology. In: **Internal Medicine Care of Cancer Patients**. Eds: Gagel, R.F., Escalante, C.P., and Yeung S-C. In press.

14. Nater, U., Heim, C.M., Raison, C.L. Chronic Fatigue Syndrome. In : **Handbook of Clinical Neurology**. Ed: Schlaepfer, T. Elsevier. In press.
15. Miller, A.H., Pace, T.W.W., Raison, C.L. Neuropsychiatric effects of IFN-alpha: relevance to depression. In: **Understanding Depression: A Translational Approach**. Eds: Pariante, C.M., Nesse, R.M., Nutt, D., Wolpert, L. Oxford University Press, Oxford, UK, 2009, pp 223-237.
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17. Burke, M.A., Raison, C.L., Miller, A.H. Depression in cancer: pathophysiology at the mind-body interface. In: **Cancer Symptom Science: Measurements, Mechanisms, and Management**. Eds: Cleeland, C.S., Fisch, M.J., Dunn, A.J. Cambridge University Press, Cambridge UK, 2010, pp. 75-85.
18. Pace, T.W.W., Raison, C.L., Miller, A.H. Role of inflammation in neuropsychiatric disorders. In: **Inflammation, Life Style and Chronic Diseases: The Silent Link**. Ed.: Aggarwal, B.B., 2011

Commentaries/Editorials:

1. Miller, A.H., Raison, C.L. Cytokines, p38 MAP Kinase and the Pathophysiology of Depression. *Neuropsychopharmacology* 2006. 31: 2089-2090.
2. Raison, C.L. Buddhists Meet Mind Scientists in Conference on Meditation and Depression. *Psychiatric Times*, 25(3), May 2008
3. Raison, C.L. An Evolutionary View on the Anti-Inflammatory Potential of Compassion. *Annals of the New York Academy of Sciences* Winter 2009:
4. Raison, C.L., Maletic, V., Jain, R., Draud, J. From Chaos to Consilience Parts I-III. *Psychiatric Times*, May-August 2009

LECTURESHIPS, SEMINAR INVITATIONS, AND VISITING PROFESSORSHIPS (SELECTED):

Compassion Training as a Path to Emotional and Physical Well-Being. Keynote Address for 2011 Annual Meeting, Licensed Psychological Counselors Association of North Carolina, 2011

Compassion Meditation and the Real Enemy. Balance. TEDxAtlanta, Atlanta 2011

Cytokines Sing the Blues: Inflammatory Implications for the Phenomenology, Pathophysiology and Treatment of Major Depression. Mood Disorders Program, Department of Psychiatry, Case Western University School of Medicine, Cleveland OH, 2011

Cytokines Sing the Blues: Inflammatory Implications for the Phenomenology, Pathophysiology and

Treatment of Mood Disorders. Department of Medicine Grand Rounds, Brooke Army Medical Center, San Antonio TX

Bringing Spirituality to Health: the Case for Compassion Training. 22nd Annual Clinical Meeting of the American Academy of Pain Management. Las Vegas, NV, 2011

Inflammatory Processes in the Evolution of Depression. Clinical Cardiovascular Research Conference. Emory Program in Cardiovascular Outcomes Research and Epidemiology (EPICORE), Emory University School of Medicine, Atlanta, GA, 2011

Cytokines Sing the Blues: Clinical Implications of an Inflammatory Perspective on Mood Disorders. To Restore Health We Have to Go Back to the Future. Bonusan Congress, Amersfoort, Netherlands, and Zurich, Switzerland, 2011

Can't Shake These Blues: Inflammatory Perspectives on the Origin and Persistence of Depressogenic Genes. To Restore Health We Have to Go Back to the Future. Bonusan Congress, Amersfoort, Netherlands, and Zurich, Switzerland, 2011

Inflammation, Sanitation and Consternation: Loss of Contact with Co-Evolved, Tolerogenic Micro-organisms and the Pathophysiology and Treatment of Major Depression. Spring Conference: Scientific Foundations of the Unidisease Concept, Bowen Center for the Study of the Family, Washington, DC, 2011

A Clinician's Guide to the Future Treatment of Mood Disorders: an Inflammatory Perspective. Keynote Address for the Annual Dewitt C. Alfred, Jr., Psychiatric Research Colloquium, Department of Psychiatry and Behavioral Sciences, Morehouse School of Medicine, Atlanta, GA, 2011

PATHOS-D and the Evolution, Risk Factors, Symptoms and Treatment of Depression, Parts I-III. Mental Health at the Far Frontier: Practicing Tomorrow's Psychiatry Today, 18th Annual CME Conference of the Alaska Psychiatric Association, Girdwood, Alaska, 2011

Compassion Meditation and the Foundations of Well-Being. Keynote Address. 42nd Annual Meeting of the American Association of Psychophysiology and Biofeedback. New Orleans, LA, 2011

Report from the Frontlines: an update on health relevant effects of compassion meditation. Presentation to His Holiness the Dalai Lama for Compassion Meditation: Mapping Current Research and Charting Future Directions Symposium, Emory University, Atlanta GA, 2010

Inflammation, Meditation and Consternation: Compassion Training as a Preventive Health Strategy for High Risk Populations. Dean's Choice College-wide Seminar, Mel and Enid Zuckerman College of Public Health, University of Arizona, Tucson, AZ, 2010

Cytokines Sing the Blues: Inflammatory Perspectives on Pathophysiology and Treatment of Major Depression. Grand Rounds, Department of Psychiatry, University of Arizona, Tucson, AZ, 2010

Inflammation, Sanitation and Consternation: Loss of Contact with Co-Evolved, Tolerogenic Micro-Organisms and the Pathophysiology and Treatment of Major Depression. Department of Integrative Physiology Colloquium, University of Colorado Boulder, 2010

Food Fundamentals for Healthy Kids and Communities. Panel Discussion on nutrition and health, sponsored by the Friends School of Atlanta, 2010

Evolution, Depression and the Search for Fractal Interdependency Parts I and II, Alaska Psychiatric Association Annual Continuing Medical Education Conference, Alyeska, Alaska, 2010

The Health Benefits of Meditation, The Bonnie Brown Johnson Women's Health Lectureship, Agnes Scott College, Atlanta, GA, 2010

The Whole Picture of Health - Mind over Matter and Vice Versa, concluding lecture for the 5th Annual National Predictive Health Symposium, Emory University, Atlanta, GA, 2009

Cytokines Sing the Blues: Inflammatory Implications for the Phenomenology, Pathophysiology and Treatment of Mood Disorders, invited lecturer for Department of Psychology Colloquium, University of Arizona, Tucson, AZ

Treating the Whole Patient, a 2-day seminar created and co-developed by Dr. Raison for 2009 U.S. Psychiatric Congress, Las Vegas, NV

Speaker and Discussion Leader for Science of Meditation, hosted by Swissnex, San Francisco, CA, 2009

Panelist and Speaker for Using Wisdom as the Heart of Change, which served as the afternoon session for "The Heart of Change: Finding Wisdom in the Modern World", a public teaching by His Holiness the Dalai Lama, sponsored by the Conservancy for Tibetan Arts and Culture, Washington, DC, 2009

Meditation, Inflammation and Consternation: Applying Buddhist Wisdom to the Search for Health and Well-Being. Invited lecture for the Louise W. and Edmund J. Kahn Liberal Arts Institute, Smith College, Northampton, MA. I was one of 5 invited guests of the Kahn Institute 2009-2010 program "Health and Wellness".

Developed course material and co-taught in the Psychoneuroimmunology Academic Program in the Clinical Psychoneuroimmunology Masters Program, University of Gerona, Gerona, Spain, 2009

Compassion-Based Therapies for Mental Disorders. Invited lecture for International Conference on Buddhism and Mind Science, Mahidol University, Bangkok, Thailand—conference was attended by Princess of Thailand.

Foundations of Emotional and Physical Well-Being: Old Lessons from the New Science, invited lecture for Jung Society of Atlanta, Atlanta, GA, 2009

Foundations of Emotional and Physical Well-Being, invited lecture for Meditation & the Mind Body Connection, a workshop at Mary & Martha's Place, Atlanta, GA, 2009

Cytokines Sing the Blues: Inflammatory Implications for the Phenomenology, Pathophysiology and Treatment of Mood Disorders, invited lecture for the Foundations of Human Social Behavior Seminar, Center for the Study of Social and Neural Systems, University of Zürich, Zürich, Switzerland, 2008

Mechanisms of Action, Active Ingredients, Dose Response Relationships and Other Challenges Facing Meditation Research, invited lecture for Integrating Clinical and Neuroscience Perspectives on Mindfulness Training In Health and Disease, a 2-day Forum for key thought leaders in the field of mindfulness research, University of Toronto, Toronto, Canada.

Discussant for the Panel Pharmacologic Targets at the Brain-Immune Interface: Relevance to Major Depression (speakers: Andrew H. Miller, Richard Shelton, Ronald Duman, Robert Dantzer, Ranga Krishnan), 47th Annual Meeting of the American College of Neuropsychopharmacology, Scottsdale, AZ

Behavioral and Neuroimmune Mechanisms by which Compassion Meditation may Enhance Health and Well-being for “Meditation & Brain: Applications to Psychosomatic Medicine” symposium at the 2008 Meeting of the Academy of Psychosomatic Medicine, Miami, FLA, 2008

Current Models on the Biology of Depression in Cancer, lecture for the Fourth Annual Chicago Supportive Oncology Conference, Chicago, IL, 2008

Homeostatic Imbalances in Depression: Stress, Inflammation and Symptoms, lecture for the forum The Neurophysiology of Depression: Exploring the Mind-Body Link at the American Academy of Family Physicians Annual Meeting, San Diego, CA, 2008

Managing Stress. Emory University School of Medicine New Faculty Orientation, Atlanta, GA, 2008

Biological mechanisms of the association between depression, other behavioral co-morbidities, and cancer, lecture for “Beyond Support Groups and Survival: New Directions in Biobehavioral Research”, plenary session for the Fourth Biennial Cancer Survivorship Research Conference, Atlanta, GA, 2008

Meditation, Compassion and Health. Invited lecture for the Library of Tibetan Works and Archives, Dharamsala, India, 2008

A Psychopharmacologist Confronts Contemplation: Insights and Challenges from the Study of Compassion Meditation. 6th Annual International Scientific Conference Integrating Mindfulness-Based Interventions into Medicine, Healthcare and the Larger Society sponsored by the Center for Mindfulness in Medicine, Health Care and Society, Division of Preventive and Behavioral Medicine, University of Massachusetts Medical School, Wooster MA, 2008

Warming the Heart While Keeping Your Cool: Compassion Meditation as a Novel Path to Lifelong Health and Wellbeing. Emory University Department of Pediatrics Research Seminar Series, Atlanta, GA, 2008

Cytokines Sings the Blues: Stress, Inflammation and Emotional Well-Being. Invited lecture for Advisory Board of the George West Mental Health Foundation, Skyland Trails, Atlanta, GA, 2008

Religion and Healing: Implications of Interpersonal and Interphylogenetic Relationships. Widening the Lens for Health and Healing – Intercultural and Religious Literacy, a Faculty Seminar in Three Parts, sponsored by the Religion and Health Collaborative, Emory University, Atlanta, GA, 2008

Depression in Cancer: new insights into pathophysiology. Invited lecture For Mechanisms and Treatment of Cancer-Related Symptoms academic symposium hosted by the University of Texas MD Anderson Cancer Center, Houston, TX, 2008

Warming the Heart While Keeping Your Cool: Compassion Meditation as a Novel Path to Lifelong Health and Wellbeing. Invited lecture for Maps and Mazes: Critical Inquiry at the Intersections of Religion and Health, an interdisciplinary conference hosted by the Religion Health Collaborative of Emory University, Atlanta, GA, 2007

Compassion Training as a Path to Emotional and Physical Wellbeing. Presentation to His Holiness the Dalai Lama at Mind and Life XV: Mindfulness, Compassion, and the Treatment of Depression. Emory University, Atlanta, GA, 2007

Cytokines Sing the Blues: Clinical, biological and ethical implications of the link between inflammation and emotional health. Grand Rounds. Department of Psychiatry, University of Virginia, Charlottesville, VA, 2007

Cytokines Sing the Blues: Inflammation in the pathogenesis and treatment of depression. Grand Rounds. Department of Psychiatry, Virginia Commonwealth University, Richmond, VA, 2007

Warming the Heart While Keeping Your Cool: Compassion Meditation as a Novel Path to Lifelong Health and Wellbeing. Invited lecture for the Emory Board of Visitors Meeting. Atlanta, GA, 2007

Translational Research: A Physician Bridges Basic Science and Clinical Care. Keynote address for a half-day CME Event and Faculty Workshop hosted by the Office of Faculty Affairs and Development, University of Nevada, Reno, NV, 2007

Cytokines Sing the Blues: Clinical, Biological and Ethical Implications of the Link Between Inflammation and Optimal Emotional Health. Invited seminar, Norman Cousins Program in Psychoneuroimmunology, UCLA Neuropsychiatric Institute, Los Angeles, CA, 2007

Depression Associated With HCV Infection and Its Therapy: Impact on Patient Management. Chair and presenter for Postgraduate Institute for Medicine CME meeting. New York, NY, 2007

Shattered Shangri-la: differences in the prevalence of anxiety and depression in ethnic Tibetans born in Tibet versus in exile. WAR and HEALTH: A Symposium on Contemporary Issues, Emory University, Atlanta GA, 2007

Depression, Sadness and Satisfaction. Emory University Mini-Medical School Lecture. Atlanta, GA, 2007

How to Make the Journey from Clinician to Clinical Researcher. Psychiatry Residents' Research Seminar. Department of Psychiatry, Albert Einstein School of Medicine, Montefiore Medical Center, Bronx, NY, 2007

Neuropsychiatric Aspects of HCV and its Treatment. Centers for Disease Control and Prevention, Division of Viral Hepatitis Seminar Series, Atlanta, GA, 2006

Immunology and the Psyche: Implications for the Pathogenesis and Treatment of Depression. Frontiers in Neuroscience Presentation, Emory Neuroscience Graduate Program. Emory University, Atlanta, GA, 2006

Meditation, Inflammation and Consternation: Applying Buddhist Wisdom to the Fight against Depression at Emory. General Clinical Research Center Seminar, Emory University School of Medicine, Atlanta GA. 2006

Immunology and the Psyche: Implications for the Pathogenesis and Treatment of Depression. Grand Rounds, Department of Psychiatry and Behavioral Science, State University of New York, Stony Brook. Stony Brook, NY, 2006.

Cytokines Sing the Blues: Inflammation in the Pathogenesis and Treatment of Depression. Grand Rounds, University of Nevada at Reno Department of Psychiatry. Reno, NV, 2006

Depression and Cancer. Grand Rounds. Fitzpatrick Cancer Center, CVPH Medical Center. Plattsburgh, NY, 2006

Mirror Neurons, Inflammation & the Cost of Identification: What Science Tells Us About the Causes, Consequences & Treatment of Caregiver Stress. CVPH Medical Center CME Presentation, Plattsburgh, NY, 2006

Can Meditation be a Medication for our Ailments? A Traditions in Dialogue Lecture. Drepung Loseling Institute, Atlanta GA, 2006

Recognition and Management of Psychiatric Side Effects from Interferon Therapy. Annual Conference of the Canadian Association of Hepatology Nurses held in partnership with the Canadian Association for the Study of the Liver. Toronto, Ontario, CA, 2006

Mind-Body Connections and the Search for Health Past, Present, & Future a lecture and discussion with Anne Harrington, Ph.D. History of Science Department, Harvard University and Nat C. Robertson Distinguished Professor in Science & Society, Emory University, Charles Raison, M.D., and Dr. Pema Dorjee, Chairman, Tibetan Medical Council, Atlanta, GA, 2006

Mind-Body Perspectives on the Development and Treatment of Depression. 2-hour presentation for the monthly meeting of the Metropolitan Atlanta Advanced Practice Psychiatric Nurses Group. Atlanta, GA, 2006

Immunology and the Psyche: Implications for the Pathogenesis and Treatment of Depression. Half-day seminar presented to the Georgia Psychiatric Physicians Association 2006 Winter Meeting. Atlanta, GA, 2006

Recognition and Management of Depression in Patients Receiving IFN-alpha for Hepatitis C. Canadian Redipen Investigators Meeting. Las Vegas, NV, 2006

Psychological Management of the Hepatitis C Patient. Hepatologist Associates Course, American Association for the Study of Liver Diseases 56th Annual Meeting. San Francisco, CA, 2005

Mind-Body Perspectives on the Development and Treatment of Depression. Presented at the Texas Society of Psychiatric Physicians Annual Convention and Scientific Program. Austin, TX, 2005

Pathophysiologic Mechanisms of Depression: Implications for Medical Illness. American College of Clinical Pharmacy Annual National Meeting. San Francisco, CA, 2005

Managing Stress. 2005 Emory University School of Medicine New Faculty Orientation Program, Atlanta, GA, 2005

Answering the October Letter: Depression in the Context of Cancer and its Treatment. Champlain Valley Griffin Hospital CME presentation. Plattsburgh, NY, 2005

Health and Spirituality at the Mind-Body Interface. Morton Plant Mease Foundation, Clearwater Hospital. Clearwater, FL, 2005

Neurotoxicity of Biotherapy and Chemotherapy. Vermont Cancer Center Grand Rounds, University of Vermont. Burlington, VT, 2005

Neuropsychiatric Effects of Interferon-alpha: Recognition and Management. Presented at the symposium “New Treatments in Chronic Liver Disease:.. Scripps Clinic. La Jolla, CA, 2005

Hepatitis C: Neuropsychiatric Management. Presented at the seminar “Liver Diseases: Therapeutic Challenges 2005”. Washington University School of Medicine. St. Louis, MO, 2005

Identity as Psychiatrists: Heritage and Creativity in this Unique Specialty. Co-Chair, Forum #6. 158th American Psychiatric Association Annual Meeting. Atlanta, GA, 2005

Western Perspectives on the Mind-Body Connection. Presented at the symposium “Mind-Body Medicine at the Interface of Mood and Health: Tibetan Buddhist and Western Perspectives on Depression in the Medically Ill”. (Also event co-coordinator). Emory University. Atlanta, GA, 2004

Neuropsychiatric Side Effects of Antiviral Therapy: The Psychiatrist’s Perspective. Presented at the symposium “Making a Difference: Improving Outcomes and QOL in Patients with Hepatitis C”. American College of Gastroenterology Annual Meeting. Kissimmee, FL, 2004

Managing Psychiatric Side Effects of Interferon-alpha. Presented at the symposium “Practical Strategies to Maximize Response to Hepatitis C Therapy”. American College of Gastroenterology Annual Meeting. Kissimmee, FL, 2004

Emory University 5th Annual Symposium on Science and Religion: “Relationship of Spirituality and Health”. Invited respondent to Dr. Harold Koenig. Emory University, Atlanta, GA, 2004

Neuropsychiatric Side Effects of Interferon-alpha: Recognition and Management. Grand Rounds, Department of Gastroenterology, Emory University School of Medicine, Atlanta, GA, 2004

Role of Atypical Antipsychotics in Treatment of Bipolar Disorder. International Society for Affective Disorders 2004 Meeting. Program Chairman and lecturer. Cancun, Mexico, 2004.

Advances in Psychoimmunology: Implications for Treatment. Presented at the symposium “Interface of Psychiatry and Medicine: Focus on Early Life Trauma, Somatic Symptoms and Psychoimmunology”, Atlanta, GA, 2004

Diagnosis and Treatment of Interferon-alpha Psychiatric Side Effects in Patients with Hepatitis C Virus. Presented at the symposium “Interferon-Induced Depression: Consequences of Treating Chronic Hepatitis C” symposium. 157th American Psychiatric Association Annual Meeting. New York, NY, 2004

Management of Depression in the Medically Ill. Tenth Annual Santa Fe Psychiatric Symposium. Santa Fe, NM, 2004

Managing Patients with Somatic Symptoms. Asia Pacific Neuroscience Summit. Taipei, Taiwan, 2004

What the Immune System Tells Us About Symptom Responses to Antidepressants. Grand Rounds, The University of Texas Health Science Center at San Antonio. San Antonio, TX, 2004

Neuropsychiatric Side Effects of Interferon-alpha: Diagnosis and Treatment. 8th Annual Hepatitis Update. Sponsored by Stanford University. Palo Alto, CA, 2004

HCV, IFN and the Brain. European PegIntron Investigators’ Meeting. London, England, 2004

Efficacy of Dual Action Antidepressants: Lessons from Inflammation. CME program for the Lovelace Clinical Foundation, Albuquerque, NM, 2005

Can’t Shake These Blues: Evolutionary Perspectives on the Development and Persistence of Major Depression. Keynote Address, 11th Annual Northern California Regional Psychiatric Conference, Kaiser Permanente, San Francisco, CA, 2003

Nerves, Inflammation and Illness: Harnessing the Stress System to Improve Mental and Physical Health. Full-day Workshop presented at the 11th Annual Northern California Regional Psychiatric Conference, Kaiser Permanente, San Francisco, CA, 2003

Psychiatric Issues in Hepatitis C. Symposium at the American Association of Physician Assistants’ 31 Annual Physician Assistant Conference, New Orleans, LA, 2003

Psychiatric Side Effects of Interferon-alpha for the Treatment of Hepatitis C. Symposium at the Annual American Psychiatric Association Meeting, San Francisco, CA, 2003.

Managing Psychiatric Side Effects. First Annual Clinical Care Options for Hepatitis Symposium. Laguna Niguel, CA, 2003

Psychoneuroimmunology. Keynote Address. 9th Annual Midwest Neuropsychopharmacology Update. Lexington, KY, 2003

Neuropsychiatric Side Effects of Interferon-alpha. American College of Gastroenterology 2003 Annual Meeting and Postgraduate Course. Baltimore, MD, 2003

Harnessing the Stress System to Improve Mental and Physical Health. Five hour seminar for “Mind and Body: an Integrated Approach to Care” Behavioral Healthcare Symposium, Southern California Kaiser Permanente Medical Group. Palm Springs, CA, 2003

Immunology and Psychiatric Illness. Psychiatry in Medicine: Medicine in Psychiatry, CME course hosted by University of Pennsylvania. Philadelphia, PA, 2003

21st Century Medicine—What we Know About the Brain and The Impact of Stress on Physical and Mental Health. Keynote address for the symposium entitled “The Mind-Body Connection: Implications for Medical Practice”. Asheville, NC, 2003

The Diagnosis and Management of Somatoform and Related Disorders. Grand Rounds. Morehouse University Department of Psychiatry. Atlanta, GA, 2002

Tummo, Toughening Up, and the Training of Desire: Studies in Tibetan Buddhist Meditation at Emory. Invited Lecture. Emory-Tibetan Exchange Program. Atlanta, GA, 2002

Comorbid and Treatment-Induced Psychiatric Disease. “Expert Perspectives III: Strategies for the Management of HIV/HCV Coinfection” conference. Aspen, CO, 2002

Improving Treatment of Depression and Anxiety. Effexor XR Managed Care Consultants Program. Served as conference co-chair. Phoenix, AZ, 2002

Neuropsychiatric Effects of Peg Interferon. 2002 Clinician’s Companion VI Development Meeting. Laguna Niguel, CA, 2002

Treating Hepatitis C in Patients with a History of Depression. American College of Gastroenterology Annual Meeting. Seattle, WA, 2002

Response vs. Remission in the Long-Term Prognosis of Major Depression. Anderson County Medical Society. CME meeting, Anderson, SC, 2001

Treatment Refractory Conditions: The Stress Paradigm. All day-seminar for Northern California Kaiser-Permanente Conference for Psychiatry and Chemical Dependency, San Francisco, CA, 2001

Bridging the Gap to Wellness. National CME program. Tampa, FL, 2001

Bridging the Gap to Wellness. National CME program. Manhattan Beach, CA, 2001

Treatment Resistant Depression. Grand Rounds for Atlanta VA Medical Center. Atlanta, GA, 2001

Bridging the Gap to Wellness. Regional CME program. New Orleans, LA, 2001

Student Personality and Risk of Violence. Invited lecture. Fresno Community College. Fresno, CA, 2001

Depression and the Immune System. Grand Rounds. Department of Medicine. Emory University Crawford Long Hospital. Atlanta, GA, 2001

Depression and the Immune System. Grand Rounds. SUNY Buffalo Department of Psychiatry. Buffalo, NY, 2001

Emergency Psychiatry. Grand Rounds presentation. St. Louis University School of Medicine, St. Louis, MO, 2000

The Rational Use of Antidepressant Medications. Slidell Memorial Hospital Grand Rounds, Slidell, LA, 2000

Depression and Chronic Pain. Capitol Medical Society CME Meeting, Austin, TX, 2000

Treatment Resistant Depression: the Mind-Body Connection. Grand Rounds. Napa State Hospital, Napa, CA, 2000

Emerging Issues in Psychiatry. Grand Rounds. Loma Linda University School of Medicine Department of Psychiatry, 1999

The Moon and Madness Reconsidered. Invited Paper presented at the West Coast College of Biological Psychiatry, Annual Meeting, Tucson, AZ, 1999

Manipulating the Mind. Invited Lecture for the Osteopathic Physicians and Surgeons of California Annual Spring Seminar. South Lake Tahoe, CA, 1999

Depression in the Primary Care Setting. Monthly meeting, Nevada Society of Family Physicians, Las Vegas, NV, 1998

Advanced Strategies for the Treatment of Depression, Grand Rounds, Tripler Army Hospital, Honolulu, HI, 1998

Advanced Strategies for the Treatment of Depression. Grand Rounds, Downey Community Hospital, Downey, CA, 1998

Emergency Psychiatry, California Academy of Physicians Assistants Annual Meeting, Palm Springs, CA, 1998

Learning in the Between: Can Modern Psychiatry Benefit from Tibetan Death Practices. First International Conference on Tibetan Medicine. Washington, DC, 1998

Inner Fire Meditation and the Circuitry of Mood: Implications for the Pathophysiology of Depression. First International Conference on Tibetan Medicine. Washington, DC, 1998

Mind, Body and Mood. Invited Lecture for the American Psychiatric Association, Nevada Chapter Monthly Meeting. Las Vegas, NV, 1998

Advances in the Treatment of Depression. Sunrise Columbia Hospital Grand Rounds, Las Vegas, NV, 1997

Management of Sexual Side Effects of Antidepressants. University of Nevada Family Practice Residency Program. Las Vegas, NV, 1997

Depression: An Overview Of Treatment Options. Grand Rounds. Loma Linda Medical Center. Redlands, CA, 1997

Treatment of Attention Deficit with Antidepressants. Grand Rounds. Henry Mayo Newhall Memorial Hospital, Santa Clarita, CA 1997

Diagnosis and Treatment of Major Depression. National Depression Day Symposium, Adult Psychiatric Hospital Service, UCLA-Neuropsychiatric Institute and Hospital, Los Angeles, CA, 1996

Emergency Psychiatry. Grand Rounds. UCLA Department of Psychiatry and Biobehavioral Sciences. Los Angeles, CA, 1996

MEDIA APPEARANCES (selected):

2010:

Psychological Challenges Faced by the Trapped Chilean Miners. ABC News

Overcoming Weather Phobias, live interview with Betty Davis on The Weather Channel

Are Antidepressants Safe for Pilots? Expert interview for Good Morning America, ABC News.

Improving the Treatment of Chronic Pain, one of 3 guest experts for hour-long CME show on Discovery Channel, hosted by Rea Blakey

Full Moon, extended expert interview with Rasmus Akerblom for Sveriges Television, (SVT), which is the Swedish National Channel.

2009:

Helping Children Overcome Fear of the Weather, expert interview for the Weather Channel

Bipolar Disorder, expert interview for CNN Accent Health Channel

Marriage, Divorce and Health, ABC News with Dr. Tim Johnson

About Major Depression, the Medical Minute, CNN Headline News

Support Groups for Patients with Cancer, the Medical Minute, CNN Headline News

Stress, Suicide and the Economy, interviewed for ABC Nightly News with Charles Gibson

Stress, Health and the Recession, hour-long interview and listener call-in for the final segment of “Sound Health” with Cheri Lawson, WMUB, Cincinnati, OH

Stress and the Recession, interview for “House Call” with Dr. Sanjay Gupta, CNN

Helping Men Cope with the Stress of Job Loss interview for NBC 11 Alive News, Atlanta, GA

2008:

Stress and the Economy, WSB TV Atlanta

Inflammation, Stress and Depression, radio interview for BBC News

Mental Health Challenges among Young Tibetan Refugees, interview for Voice of America

Stress, depression and the failing economy. Fox 5 News segment, Atlanta GA

Stress and viral infections. Interview for <http://www.healthday.com>

2007:

Stress and Overeating. RealHealth TV On-line Interview.

Regarding the Bizarre Behavior of Karyn McConnell Hancock, Interview for Good Morning America, ABC News

Answering Questions about Seasonal Affective Disorder. Interview for House Calls with Dr. Sanjay Gupta, CNN

Why Stress Exists and How to beat it in the Modern World. Expert commentary on House Calls with Dr. Sanjay Gupta, CNN

Stress and Illness. Interview for webcast on www.abcnews.go.com and www.realhealth.tv

Depression, Evolution and Inflammation. Featured guest on Clinicians' Roundtable with Dr. Leslie Lundt, ReachMD XM Satellite Radio XM 157

Teaching Students Compassion Meditation. Interview with Dr. Sanjay Gupta for CNN on our research work with compassion meditation

The High Cost of Hidden Child Abuse. Interview with Susan Hendricks, Prime News Tonight, CNN Headline News.

How to Reduce the Impact of Stress on Your Life and Health. Interview with Dr. Sanjay Gupta, on House Calls, CNN

How to Reduce Holiday Stress. Expert commentary on Medical Minute with Judy Fortin, CNN.

Psychological Insights into the Virginia Tech Shooter. Live interview on "Healthy Life" program on ABC News Now.

The Stress Aftermath of the Virginia Tech Shooting. Interview on CNN Radio Network

Profiling the Virginia Tech Shooter. Live interview on "World Tonight" with Rosemary Church, CNN International

Reducing the Stress of Taxes. Interviewed for “The Medical Minute” with Judy Fortin, CNN
Headline News

Boost Your Immune System, interviewed for WebMD Internet Broadcast.

2006:

Discovery Health CME: Managing the Link between Depression and Pain. An hour-long program with Drs. Charles L. Raison, John F. Tierney and Vladimir Maletic broadcast on the Discovery Health Channel.

How to Recognize and Treat Seasonal Affective Disorder. Interview with Dao Vu for Weekend View on the Weather Channel.

Are We Ignoring Depression? Taped interview with Mike Galanos on CNN Prime News Tonight.

Is Stress Killing New Orleans? Live interview with Robin Meade, Robin & Company, CNN
Headline News.

Stress and Taxes interview with Judy Fortin for the Medical Minute segment on CNN Headline
News

Obsessive Compulsive Disorder. Live interview with Erica Hill on Prime News Tonight, CNN
Headline News.

Graduation Stress and Depression interview with Judy Fortin for the Medical Minute segment on
CNN Headline News.

Grown Children Living at Home interview with Judy Fortin for the Medical Minute segment on
CNN Headline News.

Intermittent Explosive Disorder. Live interview with Erica Hill on Prime News Tonight, CNN
Headline News.

Moving Beyond Stress. Guest for an hour-long program in the series Moving Toward Greatness
with Charlie Cummins. Broadcast on VoiceAmerica Business at www.voiceamerica.com.

2005:

Killer Stress. WebMD Online Broadcast at <http://www.webmd.com/content/pages/24/111838.htm>

Post Holiday Blues. WebMD Broadcast at <http://www.webmd.com/content/pages/24/112362.htm>

Stress and taxes interview. WSB 750 AM, Atlanta, GA

Runaway Bride segment, Morning News with Fred Grandy and Andy Parks on ABC Radio’s 630
WMAL, Washington, DC

Panel discussion on “Runaway Bride”, Abrams Report, MSNBC

Commentary on slaying of Laura Hobbs, Morning News with Fred Grandy and Andy Parks on ABC Radio's 630 WMAL, Washington, DC

Crying in Public, on the Morning Show with Toucher, Jimmy and Leslie, 99X Radio, Atlanta, GA

Psychological Aftermath of Hurricane Katrina, live interview with Thomas Roberts and Sophia Choi, CNN Headline News.

What to do about Depression and Anxiety Following Hurricane Katrina, live interview with Mike Galanos and Erica Hill, CNN Prime News Tonight

Why did Jeff Reardon rob a jewelry store? Expert opinion on air for Paula Zahn Now, CNN.

Did medications cause Jeff Reardon to rob a jewelry store? Taped interview with Mike Galanos on CNN Prime News Tonight.

2004:

Expert Psychiatric Commentary on the Murder of Bobbie Jo Stinnett. CNN interview with Daryn Kagan

2003:

New Year's Resolutions. Interviewed for health segment on CNN.

Summer Depression. Interviewed for The Weather Channel.

Winter Woes. Interviewed for CNN Sunday Morning

Winter Depression. Interviewed for House Calls with Sanjay Gupta on CNN.

2002:

Psychological Reactions to the Terrorist Threat. Interviewed for Paging Dr. Gupta segment on CNN and invited guest for live discussion segment with anchor Leon Harris.

Screening for Depression. Interviewed for Wolf Blitzer Reports on CNN

Anxiety in the Work Place. Interviewed for CNN Morning News

Staying One Step Ahead of the Flu Season. Interviewed for Your Health segment on CNN

Other Publications (abstracts) [Selected]:

Katz, E.R., Cubells, J.F., Binder, E.B., Pace, T.W., Raison, C.L. Gender Dependent Differences in Glucocorticoid Receptor Sensitivity and mRNA Levels of Glucocorticoid Receptor Co-chaperone Proteins in College-Aged Meditators. *Collegium Internationale Neuro-psychofarmacologicum (CINP)*, Munich, Germany, 2008

Pace, T.W.W., Negi, L.T., Adame, D, Cole, S.P., Sivilli, T.S., Brown, T., Issa, M., Raison, C.L. Effect of compassion meditation on neuroendocrine, innate immune and behavioral responses to

psychosocial stress. Psychoneuroimmunology Research Society Annual Meeting, Madison, WI, 2008

Pace, T.W.W., Negi, L.T., Adame, D, Cole, S.P., Sivilli, T.S., Owen-Smith, A., Brown, T., Alagbe, O., Issa, M., Raison, C.L. Effect of compassion meditation on autonomic, neuroendocrine and inflammatory responses to psychosocial stress. American College of Neuropsychopharmacology, Boca Raton, FL, 2007.

Raison, C.L., Woolwine, B.J., Zajecka, J.M., Evans, D.L., Asnis, G.M., Miller, A.H. Paroxetine for the prevention of depression in patients receiving interferon-alpha plus ribavirin for hepatitis C. Society for Neuroscience, Atlanta, GA, 2006.

Raison, C.L., Woolwine, B.J., Zajecka, J.M., Evans, D.L., Asnis, G.M., Miller, A.H. Paroxetine for the prevention of depression in patients receiving interferon-alpha plus ribavirin for hepatitis C. *Brain, Behavior and Immunity* 2006; 20 (3) supplemental CD with issue.

Raison, C.L., Pariante, C.M., Capuron, L., Chen, B., Woolwine, B.J., Jacobson, I.M., Miller, A.H. The association of fatigue with poor virologic response in patients receiving interferon-alpha plus ribavirin for the treatment of hepatitis C. American College of Neuropsychopharmacology, San Juan, PR, 2005.

Raison, C.L., Woolwine, B.J., Binongo, J., Demitrashvili, M.F., Borisov, A.F., Weinreib, R., Staab, J.P., Zajecka, J.M., Bruno, C.J., Henderson, M.A., Reinus, J.F., Evans, D.L., Asnis, G.M., Miller, A.H. Paroxetine for Prevention of Depressive Symptoms Induced by Interferon-alpha plus Ribavirin for Hepatitis C. Psychoneuroimmunology Research Society Meeting, Miami, FL, 2005

Raison, C.L., Woolwine, B.J., Binongo, J., Demitrashvili, M.F., Borisov, A.F., Weinreib, R., Staab, J.P., Zajecka, J.M., Bruno, C.J., Henderson, M.A., Reinus, J.F., Evans, D.L., Asnis, G.M., Miller, A.H. Paroxetine for Prevention of Depressive Symptoms Induced by Interferon-alpha plus Ribavirin for Hepatitis C. American College of Neuropsychopharmacology, Kona, HI, 2005.

Raison, C.L., Borisov, A.S., Broadwell, S.D., Capuron, L., Woolwine, B.J., Nemeroff, C.B., Miller, A.H. Syndrome of chronic fatigue in patients receiving interferon – alpha for chronic hepatitis C. American College of Neuropsychopharmacology, San Juan, PR, 2004.

Raison, C.L., Broadwell, S.D., Borisov, A.S., Manatunga, A.K., Woolwine, B.J., Jacobson, I.M., Nemeroff, C.B., Miller, A.H. Depressive symptoms during IFN-alpha/ribavirin therapy are associated with reduced viral clearance in patients with hepatitis C. American Association for the Study of Liver Diseases, Boston, MA, 2003.

Raison, C.L., Borisov, A.S., Broadwell, S.D., Manatunga, A.K., Woolwine, B.J., Jacobson, I.M., Nemeroff, C.B., Miller, A.H. Depression during IFN-alfa plus ribavirin therapy: prevalence and prediction. American Association for the Study of Liver Diseases, Boston, MA, 2003.

Raison, C.L., Broadwell, S.D., Woolwine, B.J., Borisov, A.S., Nemeroff, C.B., Miller, A.H. Increased symptoms of depression are associated with reduced viral clearance during IFN-alpha therapy for hepatitis C. American College of Neuropsychopharmacology, San Juan, PR, 2002.

Miller, A.H., Capuron, L. Raison, C.L., Lawson, D.H., Musselman, D.L., Su, Y., Owens, M.J., Nemeroff, C.B. Interferon-alpha-induced depression is associated with an exaggerated HPA axis response to the initial injection of interferon alpha. Society for Neuroscience, Orlando, FL 2002.