

CURRICULUM VITAE

Ned H. Kalin, M.D.
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Chair, Department of Psychiatry
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Education

- 1972 BS with Distinction, Pre-Medicine, Pennsylvania State University, State College, PA
- 1976 MD, Jefferson Medical College, Philadelphia, PA

Residency and Fellowships

- 1979 Psychiatry Residency, University of Wisconsin, Madison, WI
- 1981 Research Fellow, Neuropsychopharmacology, National Institute of Mental Health, Bethesda, MD

Licensure and Certification

- 1977 Diplomat, National Board of Medical Examiners, Medical License, Wisconsin
- 1981 American Board of Psychiatry and Neurology

Current Position

Hedberg Professor and Chairman, Department of Psychiatry, University of Wisconsin School of Medicine and Public Health, Madison WI, United States

Professor, Department of Psychology, University of Wisconsin School of Medicine and Public Health, Madison WI, United States

Director, HealthEmotions Research Institute, University of Wisconsin School of Medicine and Public Health, Madison WI, United States

Director, Lane Neuroimaging Laboratory, University of Wisconsin School of Medicine and Public Health, Madison WI, United States

Principal Investigator, Conte Adolescence Center, University of Wisconsin, Madison, WI, United States

Affiliate Scientist, Wisconsin Regional Primate Center and Harlow Primate Laboratory, University of Wisconsin, Madison WI, United States

Positions Held

- 1979 - 1981 Staff Psychiatrist, (Surgeon Lt-04) Clinical Neuropharmacology Branch, National Institute of Mental Health, Bethesda, MD
- 1981 - 1983 Assistant Professor of Psychiatry, University of Wisconsin School of Medicine and Public Health, Madison WI, United States
- 1984 - 1986 Associate Professor of Psychiatry, University of Wisconsin School of Medicine and Public Health, Madison WI, United States
- 1986 - present Hedberg Professor of Psychiatry, University of Wisconsin School of Medicine and Public Health, Madison WI, United States

- 1987 - 1991 Vice Chairman, Department of Psychiatry, University of Wisconsin School of Medicine and Public Health, Madison WI, United States
- 1990 - 1991 Chief of Psychiatry Service, William S. Middleton VA Hospital, Madison WI, United States
- 1991 - present Chairman, Department of Psychiatry, University of Wisconsin School of Medicine and Public Health, Madison WI, United States
- 1995 - present Director, HealthEmotions Research Institute, University of Wisconsin School of Medicine and Public Health, Madison WI, United States
- 2008 - present Director, Lane Neuroimaging Laboratory, University of Wisconsin University of Wisconsin School of Medicine and Public Health, Madison WI, United States
- 2001 – 2013 Chief Executive Officer and Founder, Promoter Neurosciences, LLC, Madison, Wisconsin

Teaching Activities

- Diagnostic Intake Supervision
- Resident Psychotherapy Supervision
- Resident Research Supervision and Consultation
- First-Year Medical Student Small Group Leader
- Second-Year Medical Student Small Group Leader
- Resident Seminar Teaching: Affective Disorders and Developmental Psychobiology
- Seminar instructor for Residents and Faculty: Advanced Topics in Neuroscience
- Lecture Series 1st Year Medical Students: Neurobiological Basis of Emotion & Behavior
- Integrated Neurosciences Lecture - Anxiety: Pathophysiology, Clinical Presentation & Treatment
- Lecture, Zoology-619, Biology of the Mind
- Advisor to numerous residents, post-doctoral fellows, medical students and Ph.D. candidates in Psychology, Pharmacology and Neuroscience
- Biweekly case review with faculty and providers
- Department of Psychiatry Inpatient Case Conference Series

Current Mentoring

- Joshua Cruz, Pre-doctoral
- Sascha Mueller, Pre-doctoral
- Nakul Aggarwal, Pre-doctoral
- Rachel Puralewski, Pre-doctoral

National and International Societies

- National Advisory Mental Health Council through September 2007
- International Society of Psychoneuroendocrinology
- American College of Psychiatrists
- American College of Neuropsychopharmacology
- Society for Neuroscience
- International Society for Research in Aggression, Fellow
- Society of Biological Psychiatry
- American Psychiatric Association
- American Association of Chairs of Departments of Psychiatry
- State Medical Society of Wisconsin
- American Association for the Advancement of Science
- Anxiety and Depression Association of America
- American Medical Association
- International College of Neuropsychopharmacology
- National Academy of Medicine

Honors and Recognitions

1985	A.E. Bennett Award for Basic Research, Society of Biological Psychiatry
1986 – 1990	Member, Study Section: Neuroscience Research Review Committee, Cellular Neurobiology and Psychopharmacology Subcommittee, National Institute of Mental Health
1989 – present	A.E. Bennett Award Selection Committee, Society of Biological Psychiatry
1992 – 2018	Co-Editor-in-Chief, Psychoneuroendocrinology
1992 – 2008	Curt P. Richter Award Selection Committee, International Society of Psychoneuroendocrinology
1992 – 2008	Member Editorial Board, Depression
1993 – 2008	Member Editorial Board, Anxiety
1992 – 1993	Wisconsin/Hilldale Undergraduate/Faculty Research Award, University of Wisconsin
1994	University of Wisconsin Media Award
1995 – present	Hedberg Professor of Mind and Health, University of Wisconsin School of Medicine and Public Health, Department of Psychiatry
1995 – 2001	Scientific Advisory Board, National Center for Post-Traumatic Stress Disorder
1995 – present	Founder and Director, HealthEmotions Research Institute, University of Wisconsin
1996 – 1998	Member, Program Committee, Society for Neuroscience
1996	Distinguished Alumni of the Year, Jefferson Medical College, Department of Psychiatry

1996 Scientific Advisory Board, National Depressive and Manic Depressive Association
1997 – 1999 Member Editorial Board, Neuropsychopharmacology
2001 Fellow, American College of Psychiatrists
2001 Fellow, American College of Neuropsychopharmacology
2001 Chair, Program Committee, American College of Neuropharmacology
2002 Editorial Board, Neuropsychopharmacology
2002 Wisconsin NAMI Research Award
2003 – 2007 Member, National Advisory Mental Health Council, National Institute of Health
2005 Chair, Program Committee, Society of Biological Psychiatry
2005 Edward Strecker Award, University of Pennsylvania
2005 – 2008 President, International Society of Psychoneuroendocrinology
2005 – 2007 Field Editor, Neuropsychopharmacology
2007 American College of Psychiatrists Award for Research in Mood Disorders
2007 Gerald Klerman Senior Investigator Award, Depression and Bipolar Support Alliance
2007 Advisory Board, International Journal of Sleep and Wakefulness
2008 Director, Lane Neuroimaging Laboratory, University of Wisconsin School of Medicine and Public Health
2009 – 2010 Finance and Budget Committee, American Psychiatric Association
2010 Harold Lawn Memorial Lecture, University of Minnesota
2012 Distinguished Psychiatrist Lecturer, American Psychiatric Association
2013 Fellow, American Association for the Advancement of Science
2012 – 2016 Scientific Council, Anxiety and Depression Association of America
2013 – 2015 Executive Council, Society of Biological Psychiatry
2014 – 2015 President, Society of Biological Psychiatry
2015 – 2020 Councilor, Society of Biological Psychiatry
2015 Anna-Monika Prize, Anna-Monika Foundation, European College of Neuropsychopharmacology
2015 – 2017 Mentor, American Psychiatric Association, Junior Investigators Research Colloquium
2015 – 2021 Council on Research, American Psychiatric Association
2015 – present Board of Scientific Advisors, Pritzker Neuropsychiatric Disorders Research Consortium
2015 Member, National Academy of Medicine (formerly known as Institute of Medicine)
2015 Distinguished Fellow of the American Psychiatric Association
2016 – present Editorial Board, Personalized Medicine in Psychiatry
2016 – present Brain & Behavioral Research Foundation, Scientific Council Member
2016 Chair Award, 9th Annual Chair Summit
2016 Charles L. Ravaris, MD Memorial Lecture, Dartmouth-Hitchcock Medical Center

2017	Honorary Degree of the Maimonides University, Buenos Aires, Argentina
2017	Distinguished Life Fellow of the American Psychiatric Association
2017 – present	Editorial Board, Journal of Psychiatric Research
2017 - 2018	Member, Board of Trustees Work Group to Review the APA Relationship to Additional Funders, American Psychiatric Association
2018	George Thompson Award, Society of Biological Psychiatry
2018	Fellow Emeritus of the American College of Neuropsychopharmacology
2018	Harold Visotsky, MD Memorial Lecture, Northwestern University
2019 - present	Editor in Chief, American Journal of Psychiatry
2019 - present	Accreditation Council for Continuing Medical Education Clinical Content Review Committee
2019 - present	International Advisory Board, Canadian Journal of Psychiatry
2019	Chair, 2019 Conference Committee, Anxiety and Depression Association of America
2019 – present	American Foundation for Suicide Prevention, Scientific Council
2020	C. Charles Burlingame Award, Institute of Living, Division of Hartford Hospital
2021	Bruce McEwen Lifetime Achievement Award of the International Society of Psychoneuroendocrinology

RESEARCH ACTIVITIES

Research Focus:

- Neurodevelopmental underpinnings of the risk to develop anxiety and depressive disorders
- Translational approaches to understand genetic and molecular mechanisms underlying early life anxious temperament
- Defining the altered neural circuitry mediating childhood anxiety disorders and its heterogeneity
- Using nonhuman primate models to explore novel neurally informed treatments for childhood anxiety disorders

Current Funding

Principal Investigator: Development and Regulation of Emotion in Primates. R01MH046729, National Institute of Mental Health, \$3,570,223 (2017 - 2022)

Principal Investigator: Brain Mechanisms Mediating Genetic Risk for Anxiety and Depression. R01MH081884, National Institute of Mental Health, \$3,652,551 (2018 - 2023)

Principal Investigator: Studies to understand the pathophysiology of childhood anxiety disorders, U01MH112913, National Institute of Mental Health, \$3,420,084 (2018 – 2023)

Principal Investigator: Cross-species circuit-based treatment development for anxiety, R01MH046729-26S1, National Institute of Mental Health, \$126,325 (2020 -2022)

Past Funding

Principal Investigator: Brain Mechanisms Mediating Genetic Risk for Anxiety and Depression Administrative Supplement, Irritability and Aggression in Clinically Impaired Youth and Rhesus Monkeys R01MH081884-10S1 National Institute of Mental Health, \$364,384 (2018 - 2021)

Principal Investigator: Extreme Anxiety in Females: The Role of the Bed Nucleus of the Stria Terminalis (BST) During the Transition to Adolescence in Human and Nonhuman Primates. R01MH107563, National Institute of Mental Health, \$3,487,141 (2015 - 2021)

Subproject on a Silvio O. Conte Center for Interdisciplinary Research on Early Neurodevelopment Origins of Anxiety: Neural Mechanisms Mediating Adversity's Impact on the Risk for Developing Anxiety. P50 MH100031, National Institute of Mental Health. Estimated total 5-year cost: \$2,533,702 (2013 - 2019)

Principal Investigator: Brain Mechanisms Underlying Childhood Generalized Anxiety Disorder. R21MH092581, National Institute of Mental Health, \$404,845, 2012-2014

Principal Investigator: Developmental Mechanisms Underlying the Risk to Develop Anxiety and Depression. P50 MH84051, Subproject on a Silvio O. Conte Center for Interdisciplinary Research on Neurobehavioral Bases of Emotion Regulation and Dysregulation in Adolescence. National Institute of Mental Health, \$1,788,850 2008-2013

Principal Investigator: Development and Regulation of Emotion in Primates. R01MH046729, National Institute of Mental Health, \$9,308,127, 1990-2017

Co-Principal Investigator: Neural Substrates of Affective Style and Emotion Regulation. R01MH043454, National Institute of Mental Health, \$150,000 Supplement, 2008-2010

Principal Investigator: Brain Mechanisms Mediating Genetic Risk Factors for Anxiety and Depression. R01MH081884. National Institute of Mental Health, \$8,664,920, 2008-2018

Principal Investigator: Defining corticotropin-releasing factor (CRF) system changes in amygdala and medial temporal cortex in association with depression and suicide. The Stanley Medical Research Institute, \$150,000, 2009-2011

Principle Investigator: Combining mouse and monkey models to understand human risk for psychopathology. MH091550. National Institute of Mental Health, \$275,000, 2010-2012

Co-Principal Investigator: Neural Substrates of Affective Style and Emotion Regulation. R01, MH043454, National Institute of Mental Health, \$150,000 Supplement, 2008-2011

Principal Investigator: The Role of Central and Peripheral Neuroendocrine Systems in Nonhuman Primates Undergoing Social Stress. University of Wisconsin Medical School Research Committee, \$10,000, 1981-1982

Principal Investigator: Hormones in the CSF of Rhesus Monkeys. University of Wisconsin Graduate School, \$19,000, 1981-1982

Principal Investigator: Peptide Hormones in Nonhuman Primate Models of Psychopathology and in Depressed Humans. Veterans Administration RAG Start-Up Funds, \$49,000, 1981-1982

Principal Investigator: TCDD Exposed Rhesus Monkeys: Effects on Behavior and Stress Hormones. Veterans Administration Bureau of Medicine and Surgery, \$120,000, 1982-1985

Principal Investigator: Peripheral and Central Peptides in the Behavior of Nonhuman Primates. Veterans Administration Bureau of Medicine and Surgery, \$150,000, 1982-1985

Principal Investigator: Peptide Hormones in Monkey Cerebrospinal Fluid. National Institute of Neurological and Communicative Disorders, \$150,000, 1983-1986

Principal Investigator: Stressor Control: Peptides and Cardiovascular Function. National Heart Lung and Blood Institute, \$320,000, 1985-1988

Principal Investigator: CRH Systems in Primates. National Institute of Arthritis, Diabetes, and Digestive and Kidney Disease, \$427,000, 1985-1989

Principal Investigator: Brain Release Compared to CSF Levels of CRH, ACTH and CLIP in Monkeys. Veterans Administration Merit Review, \$340,000, 1986-1989

Principal Investigator: Role of Central CRF in Stress-Induced Behavior. National Institutes of Health, \$690,000, 1986-1994

Principal Investigator: Prenatal Stress: HPA Function and Behavior in Offspring. National Institute of Mental Health, \$317,000, 1989-1992

Principal Investigator: Neurobiological Mechanisms in the Development of the Fear Response in Primates. Veterans Administration Merit Review, \$790,000, 1990-1993

Principal Investigator: Neurobiological Basis of the Development of Fear and Anxiety in Primates. University of Wisconsin Graduate School, \$22,400, 1994-1995

Principal Investigator: Effects of Stress and Mood on Disease Progression and Mortality. Hedberg Foundation, University of Wisconsin Medical School, \$100,000, 1995-1996

Principal Investigator: Effects of Exercise on Health in Breast Cancer Patients. Hedberg Foundation, University of Wisconsin Medical School, \$100,000, 1995-1997

Co-Principal Investigator: Wisconsin Study of Families and Work: Cortisol, Psychosocial Factors, and Child Development. MacArthur Foundation, \$123,783, 1995-1997

Principal Investigator: The Functional Role of the Amygdala in Mediating the Behavioral and Physiological Responses Associated with Fearful Temperament. As Part of the Center for Behavioral Science Research, National Institute of Mental Health, \$808,767, 1998-2003

Principal Investigator: Social Stress in Primates: Vulnerability and Resilience. As Part of the Center for Mind/Body Interactions and Health, National Institute of Mental Health, \$1,808,366, 1999-2005

Principal Investigator: Biological Measures Core. As Part of the Center for Mind/Body Interactions and Health, National Institute of Mental Health, \$495,213, 1999-2005

Principal Investigator: CRF influences on the amygdala in schizophrenia, bipolar disorder and major depression: an in situ hybridization study of the complete corticotropin-releasing factor system in human postmortem tissue.

Principal Investigator: Investigating the Role of the Lateral Prefrontal Cortex in Modulating Emotion and in Mediating the Behavioral and Physiological Characteristics of the Anxious Endophenotype. DHHS, PHS P50 MH069315, Subproject on a Interdisciplinary Behavioral Science Center for Mental Health, \$2,038,820, 2004-2008, The Stanley Medical Research Institute, \$100,000, 2001-2003

Principal Investigator: Treating Stress Disorders with CRF Receptor DNA Enzymes. Promoter Neurosciences, LLC, \$54,587, 2004-2005

Principal Investigator: Role of Central CRF in Stress-Induced Behavior. R01MH040855 National Institutes of Health, \$1,868,722, 2003-2007

Patents

Promoter sequences for corticotropin-releasing factor CRF2alpha and method of identifying agents that alter the activity of the promoter sequences: U.S. Patent issued on 07-04-06; patent #7,071,323 and U.S. Patent issued on 05-12-09; patent #7,531,356

Promoter sequences for urocortin II and the use thereof: U.S. Patent issued on 08-08-06; patent #7,087,385

Promoter sequences for corticotropin-releasing factor binding protein and use thereof: U.S. Patent issued on 10-17-06; patent #7,122,650

Reviewer

Ad hoc reviewer for NIH, NSF, and VA grants	Neuroendocrinology
American Journal of Physiology	Neuropharmacology
American Journal of Psychiatry	Neuropsychopharmacology
Archives of General Psychiatry	Peptides
Behavioral Neuroscience	Proceedings of the National Academy of Sciences
Biological Psychiatry	Psychiatry Research
Brain Research	Psychoneuroendocrinology
Child Development	Psychopharmacology
Journal of Neurosciences	Regulatory Peptides
Life Sciences	Science Journal of Reproductive Biology
	Synapse

BIBLIOGRAPHY

Journal Articles

1. Kalin NH. Frustrations of a medical student: A new approach to disease. *The New Physician* Oct. 1976
2. Jefferson JW, Kalin NH. Serum lithium levels and long-term diuretic use. *JAMA* 241:1134-6, 1979
3. Kalin NH. Genital and abdominal self-surgery. A case report. *JAMA* 241:2188-9, 1979
4. Insel TR, Kalin NH, Risch SC, Cohen RM, Murphy DL. Abducens palsy after lumbar puncture. (Letter) *New England Journal of Medicine* 303:703, 1980
5. Kalin NH, Cohen, RM, Murphy DL. Circadian variation in the CSF cortisol concentration of the rhesus monkey. *Life Sciences* 26:1485-7, 1980
6. Kalin NH, Risch SC, Cohen RM, Insel T, Murphy DL. Dexamethasone fails to suppress beta-endorphin plasma concentrations in humans and rhesus monkeys. *Science* 209:827-8, 1980
7. Marshall JR, Kalin NH, Tariot AM. An organic psychosis associated with electroconvulsive therapy. *Psychiatric Opinion* 17:33-9, 1980

8. Murphy DL, Kalin NH. Biological and behavioral consequences of alterations in monoamine oxidase activity. *Schizophrenia Bulletin* 6:355-7, 1980
9. Risch SC, Cohen RM, Janowsky DS, Kalin NH, Murphy DL. Mood and behavioral effects of physostigmine on humans are accompanied by elevations in plasma beta-endorphin and cortisol. *Science* 209:1545-6, 1980
10. Risch SC, Cohen RM, Kalin NH. Propranolol, chlorpromazine, and tardive dyskinesia. (Letter) *American Journal of Psychiatry* 137:1125, 1980
11. Risch SC, Kalin NH, Janowsky DS, Huey LY. Indications and guidelines for plasma tricyclic antidepressant concentration monitoring. *Journal of Clinical Psychopharmacology* 1:59-63, 1981
12. Kalin NH, Risch SC, Janowsky DS, Murphy DL. Use of dexamethasone suppression test in clinical psychiatry. *Journal of Clinical Psychopharmacology* 1:64-9, 1981
13. Kalin NH, Insel TR, Cohen RM, Risch SC, Murphy DL. Diurnal variation in the cerebrospinal fluid prolactin concentration of the rhesus monkey. *Journal of Clinical Endocrinology & Metabolism* 52:857-8, 1981
14. Naber D, Pickar D, Davis GC, Cohen RM, Jimerson DC, Elchisak MA, De Fraités EG, Kalin NH, Risch SC, Buchsbaum MS. Naloxone effects on beta-endorphin, cortisol, prolactin, growth hormone, HVA, and MHPG in plasma of normal volunteers. *Psychopharmacology* 74:125-8, 1981
15. Kalin NH, Cohen RM, Kraemer GW, Risch SC, Shelton S, Cohen M, McKinney WT, Murphy DL. The dexamethasone suppression test as a measure of hypothalamic-pituitary feedback sensitivity and its relationship to behavioral arousal. *Neuroendocrinology* 32:92-5, 1981
16. Kalin NH, Risch SC, Murphy DL. Involvement of the central serotonergic system in affective illness. *Journal of Clinical Psychopharmacology* 1:232-7, 1981
17. Naber D, Cohen RM, Pickar D, Kalin NH, Davis G, Bunney WE Jr. Episodic secretion of opioid activity in human plasma and monkey CSF: Evidence for a diurnal rhythm. *Life Sciences* 28:931-5, 1981
18. Pickar D, Naber D, Post RM, van Kammen DP, Ballinger J, Kalin NH, Bunney WE Jr. Measurement of endorphins in CSF: Relationship to psychiatric diagnosis. *Modern Problems in Pharmacopsychiatry*. 17:246-62, 1981
19. Risch SC, Cohen RM, Janowsky DS, Kalin NH, Sitaram N, Gillin JC, Murphy DL. Physostigmine induction of depressive symptomatology in normal human subjects. *Psychiatry Research* 4:89-94, 1981
20. Risch SC, Janowsky DS, Kalin NH, Cohen RM, Murphy DL. Cholinergic-endogenous opioid mechanisms in mood and cognition in man. *Psychopharmacology Bulletin* 17:132-7, 1981
21. Risch SC, Kalin NH, Cohen RM, Weker JL, Insel TR, Cohen ML, Murphy DL. Muscarinic cholinergic influences on ACTH and beta-endorphin release mechanisms in human subjects. *Peptides* 2:95-7, 1981
22. Risch SC, Kalin NH, Janowsky DS. Cholinergic challenges in affective illness: Behavioral and neuroendocrine correlates. *Journal of Clinical Psychopharmacology* 1:186-92, 1981
23. Risch SC, Kalin NH, Murphy DL. Neurochemical mechanisms in the affective disorders and neuroendocrine correlates. *Journal of Clinical Psychopharmacology* 1:180-5, 1981
24. Risch SC, Kalin NH, Murphy DL. Pharmacological challenge strategies: Implications for neurochemical mechanisms in affective disorders and treatment approaches. *Journal of Clinical Psychopharmacology* 1:238-43, 1981
25. Insel TR, Kalin NH, Guttmacher LB, Cohen RM, Murphy DL. The dexamethasone suppression test in patients with primary obsessive-compulsive disorder. *Psychiatry Research* 6:153-60, 1982
26. Kalin NH, Burns RS, Risch SC, Cosgrove SA, Warden D, Murphy DL. The relationship between blood and cerebrospinal fluid prolactin in nonhuman primates. *Life Sciences* 31:159-63, 1982

27. Kalin NH, Shelton SE, Kraemer GW, McKinney WT Jr. Corticotropin-releasing factor causes hypotension in rhesus monkeys. *Lancet* 2:1042, 1982
28. Kalin NH, Weiler SJ, McKinney WT, Kraemer GW, Shelton S. Where is the lesion in patients who fail to suppress plasma cortisol concentrations with dexamethasone? *Psychopharmacology Bulletin* 18:219-21, 1982
29. Kalin NH, Weiler SJ, Shelton SE. Plasma ACTH and cortisol concentrations before and after dexamethasone. *Psychiatry Research* 7:87-92, 1982
30. Siever LJ, Uhde TW, Silberman EK, Lake CR, Jimerson DC, Risch SC, Kalin NH, Murphy DL. Evaluation of alpha-adrenergic responsiveness to clonidine challenge and noradrenergic metabolism in the affective disorders and their treatment. *Psychopharmacology Bulletin* 18:118-9, 1982
31. Carnes M, Smith JC, Kalin NH, Bauwens SF. Effects of chronic medical illness and dementia on the dexamethasone suppression test. *Journal of the American Geriatric Society* 31:269-71, 1983
32. Carnes M, Smith JC, Kalin NH, Bauwens SF. The dexamethasone suppression test in demented outpatients with and without depression. *Psychiatry Research* 9:337-44, 1983
33. Kalin NH, Gonder, JC, Shelton SE. Effects of synthetic ovine CRF on ACTH, cortisol and blood pressure in sheep. *Peptides* 4:221-3, 1983
34. Kalin NH, Shelton SE, Kraemer GW, McKinney WT. Associated endocrine, physiological and behavioral changes in rhesus monkeys after intravenous corticotropin-releasing factor administration. *Peptides* 4:211-5, 1983
35. Kalin NH, Shelton SE, Kraemer GW, McKinney WT. Corticotropin-releasing factor administered intraventricularly to rhesus monkeys. *Peptides* 4:217-20, 1983
36. Kalin NH, Shelton SE, McKinney WT, Kraemer, GW, Scanlon J, Suomi SJ. Stress alters the dexamethasone suppression test in rhesus monkeys. *Psychopharmacology Bulletin* 19:542-5, 1983
37. Kalin NH, Weiler SJ, Shelton SE. Pituitary ACTH secretion altered in cortisol nonsuppression. Author's reply. *Psychiatry Research* 6:156, 1983
38. Risch SC, Kalin NH, Janowsky DS, Cohen RM, Pickar D, Murphy DL. Co-release of ACTH and beta-endorphin immunoreactivity in human subjects in response to central cholinergic stimulation. *Science* 222:77, 1983
39. Russ CS, Hendricks TA, Chrisley BM, Kalin NH, Diskell JA. Vitamin B-6 status of depressed and obsessive-compulsive patients. *Nutrition Reports International* 27:867-73, 1983
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42. Carnes M, Kalin NH. Further remarks on the dexamethasone suppression test in the elderly. *Clinical Gerontology* 3:28-35, 1984
43. Kalin NH, Carnes M. Biological correlates of attachment bond disruption in humans and nonhuman primates. *Progress in Neuro-Psychopharmacology & Biological Psychiatry* 8:459-69, 1984
44. Kalin NH, Shelton SE. Acute behavioral stress affects the dexamethasone suppression test in rhesus monkeys. *Biological Psychiatry* 19:113-7, 1984
45. Kalin NH. Animal models of depression. Introduction to symposium. *Progression of Neuro-Psychopharmacol Biological Psychiatry* 8:423-4, 1984

46. Wamboldt FW, Weiler SJ, Kalin NH. Cyclosporin-associated mania. (Letter) *Biological Psychiatry* 19:1161-3, 1984
47. Kalin NH, Carnes M, Barksdale CM, Shelton SE, Stewart RD, Risch SC. Effects of acute behavioral stress on plasma and cerebrospinal fluid ACTH and beta-endorphin in rhesus monkeys. *Neuroendocrinology* 40:97-101, 1985
48. Kalin NH, Gibbs DM, Barksdale CM, Shelton SE, Carnes M. Behavioral stress decreases plasma oxytocin concentrations in primates. *Life Sciences* 36:1275-80, 1985
49. Kalin NH, Shelton SE, Barksdale CM, Carnes M. The diurnal variation of immunoreactive adrenocorticotropin in rhesus monkey plasma and cerebrospinal fluid. *Life Sciences* 36:1135-40, 1985
50. Kalin NH. Behavioral effects of ovine corticotropin-releasing factor administered to rhesus monkeys. *Federation Proceedings* 44:249-53, 1985
51. Wamboldt MZ, Kalin NH, Weiler SJ. Consistent reversal of abnormal DSTs after different antidepressant therapies in a patient with dementia. *American Journal of Psychiatry* 142:100-3, 1985
52. Carnes M, Brownfield MS, Kalin NH, Lent S, Barksdale CM. Episodic secretion of ACTH in rats. *Peptides* 7:219-23, 1986
53. Kalin NH, Dawson GW. Neuroendocrine dysfunction in depression: Hypothalamic-anterior pituitary systems. *Trends in Neuroscience* 9:261-6, 1986
54. Kalin NH, Shelton SE, Thompson RM, Barksdale, CM. A rostral-caudal concentration gradient in cerebrospinal fluid adrenocorticotropin. *Neuroendocrinology* 43:348-51, 1986
55. Kalin NH. ACTH in plasma and CSF in the rhesus monkey. A.E. Bennett Award for Basic Research in *Biological Psychiatry*. *Biological Psychiatry* 21:124-40, 1986
56. Maier SF, Ryan SM, Barksdale CM, Kalin NH. Stressor controllability and the pituitary-adrenal system. *Behavioral Neuroscience* 100:669-74, 1986
57. Sherman JE, Kalin NH. ICV-CRH potently affects behavior without altering antinociceptive responding. *Life Sciences* 39:433-41, 1986
58. Swift WJ, Kalin NH, Wamboldt FS, Kaslow N, Ritholz ML. Depression in bulimia at 2- to 5-year follow-up. *Psychiatry Research* 16:111-22, 1985
59. Tariot P, Kalin NH. Psychiatric disorders in fibromyalgia. (Letter) *American Journal of Psychiatry* 143:812-3, 1986
60. Wamboldt MZ, Kalin NH, Weiler SJ. Response to Dr. Jenike. Dementia and depression. (Letter) *American Journal of Psychiatry* 143:254-5, 1986
61. Carnes M, Barksdale CM, Kalin NH, Brownfield MS, Lent SJ. Effects of dexamethasone on central and peripheral ACTH systems in the rat. *Neuroendocrinology* 45:160-4, 1987
62. Kalin NH, Dawson G, Tariot P, Shelton S, Barksdale C, Weiler S, Thienemann M. Function of the adrenal cortex in patients with major depression. *Psychiatry Research* 22:117-25, 1987
63. Kalin NH, Shelton SE, Barksdale CM, Brownfield MS. A diurnal rhythm in cerebrospinal fluid corticotropin-releasing hormone different from the rhythm of pituitary-adrenal activity. *Brain Research* 426:385-91, 1987
64. Kalin NH, Shelton SE, Barksdale CM. Separation distress in infant rhesus monkeys: Effects of diazepam and Ro 15-1788. *Brain Research* 408:192-8, 1987
65. Robins HI, Kalin NH, Shelton SE, Martin PA, Shecterle LM, Barksdale CM, Neville AJ, Marshall J. Rise in plasma beta-endorphin, ACTH, and cortisol in cancer patients undergoing whole body hyperthermia. *Hormone & Metabolic Research* 19:441-3, 1987

66. Robins HI, Kalin NH, Shelton SE, Shecterle LM, Barksdale CM, Martin PA, Marshall J. Neuroendocrine changes in patients undergoing whole body hyperthermia. *International Journal of Hyperthermia* 3:99-105, 1987
67. Sherman JE, Kalin NH. The effects of ICV-CRH on novelty-induced behavior. *Pharmacology Biochemistry & Behavior* 26:699-703, 1987
68. Swift WJ, Kalin NH. A follow-up study of thirty hospitalized bulimics. *Psychosomatic Medicine* 49:45-55, 1987
69. Brooks BR, Kalin NH, Beaulieu DA, Barksdale CM, Sufit RL, Dills DG. Thyrotropin releasing hormone uptake into serum and cerebrospinal fluid following intravenous or subcutaneous administration. *Neurology Research* 10:236-8, 1988
70. Carnes M, Kalin NH, Lent SJ, Barksdale CM, Brownfield MS. Pulsatile ACTH secretion: Variation with time of day and relationship to cortisol. *Peptides* 9:325-31, 1988
71. Kalin NH, Shelton SE, Barksdale CM. Opiate modulation of separation-induced distress in non-human primates. *Brain Research* 440:285-92, 1988
72. Kalin NH, Shelton SE. Effects of clonidine and propranolol on separation-induced distress in infant rhesus monkeys. *Brain Research* 470:289-95, 1988
73. Kalin NH, Sherman JE, Takahashi LK. Antagonism of endogenous CRH systems attenuates stress-induced freezing behavior in rats. *Brain Research* 457:130-5, 1988
74. Shelton SE, Kalin NH, Gluck JP, Keresztury MF, Schneider VA, Lewis MH. Effect of age on cisternal CSF concentrations of monoamine metabolites in nonhuman primates. *Neurochem International* 13:353-7, 1988
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21. Davidson RJ, Pizzagalli D, Nitschke JB, Kalin NH (2003) Parsing the Subcomponents of Emotion and Disorders of Emotion: Perspectives from Affective Neuroscience. In: *Handbook of Affective Sciences* (Davidson RJ, Scherer KR, Goldsmith HH, eds), Chap 2, pp 8-24. New York: Oxford University Press
22. Roseboom PH, Kalin NH (2004) Citalopram and S-Citalopram. In: *The American Psychiatric Publishing Textbook of Psychopharmacology, Third Edition* (Schatzberg AF, Nemeroff C, eds), Chap 17, pp 291-302. The American Psychiatric Press
23. Roseboom PH, Kalin NH, Steckler T, Dautzenberg FM (2005) Molecular Regulation of the CRF System. In: *Handbook of Stress and the Brain. Part 1: The Neurobiology of Stress* (Stecker T, Kalin NH, Reul JM, eds), Vol 15, Section 2.2, pp 133-154. Amsterdam; New York: Elsevier
24. *Handbook of Stress and the Brain. Part 1: The Neurobiology of Stress* (2005) In: *Techniques in the Behavioral and Neural Sciences* (Steckler T, Kalin NH, Reul JM, eds), Vol 15. Amsterdam; New York: Elsevier
25. *Handbook of Stress and the Brain. Part 2: Stress: Integrative and Clinical Aspects* (2005) In: *Techniques in the Behavioral and Neural Sciences* (Steckler T, Kalin NH, Reul JM, eds), Vol 15. Amsterdam; New York: Elsevier
26. Roseboom PH, Kalin NH (2006) Citalopram and S-Citalopram. In: *Essentials of Clinical Psychopharmacology* (Schatzberg AF, Nemeroff CB, eds), American Psychiatric Publishing, 2nd Edition, pp 101-111
27. Davidson RJ, Fox A, Kalin NH (2007) Neural Bases of Emotion Regulation in Non-human Primates and Humans. In: *Handbook of Emotion Regulation* (Gross J, ed), Chap 3, pp 47-68. New York: Guilford Press
28. Roseboom PH, Kalin NH (2009) Citalopram and S-Citalopram. In: *The American Psychiatric Publishing Textbook of Psychopharmacology, Fourth Edition* (Schatzberg AF, Nemeroff C, eds), Chap 17; pp 363-388. The American Psychiatric Press

29. Oler, J. A., Fox, A. S., Shackman, A. J. & Kalin, N. H. (2016). The central nucleus of the amygdala is a critical substrate for individual differences in anxiety. In: *Living without an amygdala* (D. G. Amaral, & R. Adolphs, Eds.). Guilford Press. pg. 218-251.
30. Roseboom PH and Kalin NH (2013) Citalopram and S-citalopram. In “Essentials of Clinical Psychopharmacology Third Edition” (Schatzberg and Nemeroff, eds) American Psychiatric Publishing, pp. 103-117
31. Roseboom PH and Kalin NH (2017) Citalopram and S-citalopram. In “Textbook of Psychopharmacology Fifth Edition” (Schatzberg and Nemeroff, eds) American Psychiatric Publishing, pp. 431-453.

Abstracts and Presentations

1. Kraemer GW, Lin D, Kalin NH, Ebert MH, McKinney WT. Effect of ethyl alcohol and d-amphetamine on social behavior and the response to peer separation in rhesus monkeys. Society for Neuroscience. 1979
2. Kalin NH, Cohen RM, Kraemer GW, Risch SC, Shelton S, Cohen M, McKinney WT, Murphy DL. Rated stress arousal responses correlate better with plasma cortisol suppressibility by dexamethasone than with plasma cortisol levels alone. Society of Biological Psychiatry. September, 1980
3. Kalin NH, Risch SC, Cohen RM, Insel TR, Murphy DL. High and low dose dexamethasone dissociates ACTH and beta-endorphin: implications for current stress hypothesis. American College of Neuropharmacology. December, 1980
4. Risch SC, Cohen RM, Janowsky DS, Kalin NH, Murphy DL. Acetylcholine, beta-endorphin and mood and behavior. American Psychiatric Association. 1980
5. Kalin NH, Cohen RM, Risch SC, Siever LJ, Murphy DL. Psychoneuroendocrinology of the primate. Neuroendocrinology of Affective Disorders. American Psychiatric Association. 1981
6. Kalin NH. Where is the lesion in depressed patients who fail to suppress plasma cortisol concentrations after dexamethasone? Endogenous Opioid Mechanisms in Neuroendocrine Regulation of Normal and Psychopathological States. American College of Neuropharmacology. December, 1981
7. Risch SC, Cohen RM, Janowsky DS, Kalin NH, Murphy DL. Cholinergic influences on endogenous opioid activity. American College of Neuropharmacology. December, 1980
8. Risch SC, Cohen RM, Janowsky DS, Kalin NH, Siever LJ, Murphy DL. Cholinergic models of depression. Neuroendocrinology of Affective Disorders. American Psychiatric Association. 1981
9. Risch SC, Cohen RM, Janowsky DS, Murphy DL. Influences on neuroendocrine and endogenous opioid activity: behavioral correlates. Winter Conference on Brain Research. January, 1981
10. Risch SC, Kalin NH, Cohen RM, Murphy DL. Cholinergic modulation of anterior pituitary peptide release. Winter Neuropeptide Conference. 1981
11. Siever LJ, Uhde T, Silberman E, Risch SC, Kalin NH, Insel TR, Cohen RM, Murphy DL, Post R. Neuroendocrine response to clonidine. Neuroendocrinology of Affective Disorders Symposium at the Annual Meeting of the American Psychiatric Association, 1981
12. Kalin NH. ACTH and cortisol in the plasma of depressed subjects in nonhuman primates and their respective roles in neuroendocrine regulation. Winter Conference on Brain Research. Steamboat Springs, Colorado. January, 1982

13. Kalin NH. Associated behavioral and endocrine changes in nonhuman primate models of depression. American College of Neuropharmacology. December, 1982
14. Kalin NH. Chairman of the panel titled Animal Models of Depression: New Findings. American College of Neuropharmacology. December, 1982
15. Kalin NH. Corticotropin releasing factor in rhesus monkeys: endocrine and behavioral effects. Psychiatry Grand Rounds Presentation, University of California at San Diego. San Diego, California. October, 1982
16. Carnes M, Smith J, Kalin NH, Bauwens S. The dexamethasone suppression test in demented outpatients with and without depression. Gerontological Society of America. November, 1983
17. Kalin NH, Shelton SE, Bowman RE, Schantz SL, Barksdale CM, Gross ML. TCDD-exposed rhesus monkeys: effects on behavior and stress hormones. Veterans Administration Committee on Health-Related Effects of Herbicides. Washington, District of Columbia. December, 1983
18. Kalin NH, Shelton SE, Shecterle LM, Robins HI, Barksdale CM, Marshall JR. The effects of whole body hyperthermia in humans on endogenous opiate function. International Clinical Hyperthermia. Puerto Vallarta, Mexico. December, 1983
19. Kalin NH. Mechanisms of cortisol abnormalities in depression. American Psychiatric Association, May, 1983
20. Kalin NH. Nonhuman primate models of childhood mental illness. Winter Conference on Brain Research. January, 1983
21. Kalin NH. The functional status of the adrenal gland in depressed patients. Winter Conference on Brain Research. January, 1983
22. Kalin NH. ACTH-IR diurnal rhythm in monkey CSF. American College of Neuropharmacology. December, 1984
23. Kalin NH. CRF. Medicine Grand Rounds, University of Wisconsin Medical School, Madison Wisconsin. Spring, 1984
24. Kalin NH. CRF--behavioral effects. Seminar in Psychology. University of Colorado. June, 1984
25. Kalin NH. The behavioral effects of CRF administered to rhesus monkeys. Invited participant to the Kroc Foundation Conference on Corticotropin-Releasing Factor. Santa Barbara, California. February, 1984
26. Kalin NH. The behavioral effects of ovine corticotropin-releasing factor administered to rhesus monkeys. Winter Neuropeptide Conference. Breckenridge, Colorado. January, 1984
27. Kalin NH. The effects of corticotropin-releasing factor on rhesus monkeys: implications for human behavior. Psychiatry Grand Rounds, University of California at Irvine, California. January, 1984
28. Carnes M, Kalin NH, Barksdale CM, Brownfield MS. Preliminary observations of pulsatile ACTH secretion in conscious unrestrained rats. Society for Neuroscience. October, 1985
29. Kalin NH, Brooks, BR, Barksdale CM. Cerebrospinal fluid TRH concentration kinetics after IV TRH administration. American Academy of Neurology. May, 1985
30. Kalin NH, Sherman JS. CRH systems and analgesia. International Washington Spring Symposium: Neural and Endocrine Peptides and Receptors. Washington, District of Columbia. May, 1985
31. Kalin NH. Animal models in the investigation of psychiatric disorders. Mid-year Institute on the Neurosciences in Child Psychiatry: The Future Frontier. March, 1985
32. Kalin NH. Animal models of depression, with an emphasis on the HPA axis. World Psychiatric Association Regional Symposium - Affective Disorders. Athens, Greece. October, 1985
33. Kalin NH. Animal models of the HPA system in depression. American College of Neuropharmacology. 1985.

34. Kalin NH. Neuroendocrine theories of depression: experimental paradigms in animals. American College of Neuropharmacology. 1985
35. Kalin NH. Plasma and CSF ACTH in the rhesus monkey. A.E. Bennett Award Presentation. Society of Biological Psychiatry. May, 1985
36. Kalin NH. The behavioral effects of CRF. Seminar in Psychiatry. Vanderbilt University. Nashville, Tennessee. March, 1985
37. Kalin NH. The parameters affecting CSF ACTH concentrations in rhesus monkeys. Winter Neuropeptide Conference. Breckenridge, Colorado. January, 1985
38. Carnes M, Barksdale C, Kalin NH, Brownfield M. The effects of dexamethasone on central and peripheral ACTH systems. International Congress of Neuroendocrinology. July, 1986
39. Carnes M, Kalin NH, Lent SJ, Barksdale CM, Brownfield MS. Pulsatile ACTH secretion in rhesus monkeys: variation with time of day and relationship to cortisol. Society for Neuroscience, Washington, District of Columbia. November, 1986
40. Kalin NH, Shelton SE, Barksdale CM. CRH in primate CSF follows a diurnal variation opposite that of pituitary adrenal activation. American College of Neuropharmacology, Washington, District of Columbia. November, 1986
41. Kalin NH, Sherman JE. CRH systems in novelty induced behaviors. Society for Neuroscience, Washington, District of Columbia. November, 1986
42. Kalin NH. Hypothalamic releasing hormones in CSF. Winter Neuropeptides Meeting. January, 1986
43. Kalin NH. Neuroendocrine theories of depression. MacArthur Foundation Meeting on Animal Models of Depression. Coronado, California. September, 1986
44. Kalin NH. Peptidergic systems and their role in depression. Winter Conference on Brain Research. January, 1986
45. Kalin NH. Stressor control, peptides, and cardiovascular activation. National Heart Lung and Blood Investigators Meeting. Washington, District of Columbia. November, 1986
46. Nemeroff CB, Krishnan KRR, Owens MJ, Bissette G, Ritchie JC, Manepacci AN, Raysam K, Daughtry G. Kalin NH, Rivier JE, Vale WW, Thorner MO. Growth hormone releasing factor: endocrine and cerebrospinal fluid studies. Society for Neuroscience. Washington, District of Columbia. November, 1986
47. Shelton S, Kalin NH, Barksdale CM. Diurnal rhythm of CSF CRH in primates. Hans Selye Symposium. Montreal, Canada. November, 1986
48. Kalin NH, Shelton SE, Barksdale CM. The neuropharmacology of separation-induced distress in nonhuman primates. Society for Neuroscience. New Orleans, Louisiana. November, 1987
49. Kalin NH, Shelton SE, Barksdale CM. The role of opiate, benzodiazepine, catecholamine, and CRH systems in mediating separation-induced distress in nonhuman primate infants. American College of Neuropsychopharmacology. San Juan, Puerto Rico. December, 1987
50. Kalin NH. CRH studies in the nonhuman primate. Winter Neuropeptide Conference. Breckenridge, Colorado. January, 1987
51. Kalin, NH. CSF measurements of neuropeptides in nonhuman primates. International Society for Psychoneuroendocrinology. Chapel Hill, North Carolina. July, 1987
52. Sherman JE, Barksdale CM, Takahashi LK, Kalin NH. Footshock-elicited freezing in the rat is enhanced by intracerebroventricular administration of corticotropin-releasing hormone and is attenuated by its antagonist. Society for Neuroscience. New Orleans, Louisiana. November, 1987

53. Takahashi LK, Barksdale CM, Kalin NH, Vanden Burt JA. Hormonal and behavioral alterations produced by prenatal stress controllability in the rat. Society for Neuroscience. New Orleans, Louisiana. November, 1987
54. Barksdale CM, Takahashi LK, Kalin NH. Diurnal rhythm of corticotropin-releasing hormone in rat cerebrospinal fluid. Society for Neuroscience. Toronto, Ontario, Canada. November, 1988
55. Kalin NH and Shelton SE. Opiates, CRH, and other neuromodulators as mediators of fear-induced behavioral responses in the infant primate. Society for Neuroscience. Toronto, Ontario, Canada. November, 1988
56. Kalin NH and Shelton SE. Role of opiate systems in infant rhesus monkeys' behavioral and hormonal response to stress. American College of Neuropsychopharmacology. San Juan, Puerto Rico. December, 1988
57. Kalin NH, Shelton SE, Barksdale CM. Stress and growth hormone regulation in nonhuman primates. Winter Conference on Brain Research. Steamboat Springs, Colorado. January, 1988
58. Kalin NH, Takahashi LK, Shelton SE. The effects of coping on plasma and brain concentrations of cardiovascular and stress-related hormones. Neuroactive Peptides RFA. San Diego, California. January, 1988
59. Kalin NH, Takahashi LK, Sherman JE, Shelton SE, Barksdale CM. CRH and animal models of stress. Winter Neuropeptide Conference. Breckenridge, Colorado. January, 1988
60. Kalin NH. Animal models to assess the role of HPA hormones in mediating the stress response. International Society for Psychoneuroendocrinology. Gronigen, The Netherlands. August, 1988
61. Kalin NH. CRH and its role in neuropsychiatric illness. Grand Rounds, University of Rochester, Rochester, New York. March, 1988
62. Kalin NH. CRH and neuropsychiatric illness. Visiting Professor and Grand Rounds, Rush-Presbyterian Hospital, Chicago, Illinois. October, 1988
63. Kalin NH. CRH systems in primates. Research seminar, Duke University, Durham, North Carolina. July, 1988
64. Kalin NH. New research advances in schizophrenia. Alliance for the Mentally Ill. Fond du Lac, Wisconsin. May, 1988
65. Kalin NH. Role of CRH in mediating stress-related behavior. Grand Rounds, Mayo Clinic, Rochester, Minnesota. November, 1988
66. Kalin NH. Role of endogenous CRH systems in mediating the behavioral response to stress. CRF meeting, Duke University, Durham, North Carolina. March, 1988
67. Kalin NH. The neurobiology of fear in infant primates. Research Seminar. University of Colorado, Denver, Colorado. April 1988
68. Takahashi LK, Kalin NH. Effects of prenatal stress on opiate systems in neonatal rats. American College of Neuropsychopharmacology. San Juan, Puerto Rico. December, 1988
69. Takahashi LK, Vandenburg JA, Barksdale CM, Kalin NH. Sex differences in behavioral and endocrinological responses to a controllable stressor applied repeatedly. Society for Neuroscience. Toronto, Ontario, Canada. November, 1988
70. Kalin NH, Shelton SE, Turner J. Ontogeny of Defensive Behaviors and Hormonal Activation in Infant Rhesus Monkeys. Society for Neuroscience. Phoenix, Arizona. October 1989.
71. Kalin NH. Neurobiology of Affective Disorders. Conference on Mood Disorders, Center for Affective Disorders Conference. Madison, Wisconsin. November 1989
72. Kalin NH. Ontogeny of Defensive Behaviors and Associated Endocrine Changes in Non-Human Primates. Seminar, Wisconsin Regional Primate Center, Madison, Wisconsin. October 1989
73. Kalin NH. Participant and Consultant in MacArthur Foundation Network Mini-conference: Risk and Protective Mechanisms in the Development of Psychopathology. May 1989

74. Kalin NH. Participant and Consultant to the NIMH Behavioral Research Branch at the meeting Psychobiological Approaches to the Study of Emotion. September 1989
75. Kalin NH. Putative role of CRH in depression and anxiety disorders. Grand Rounds, Minneapolis VA, Minneapolis, Minnesota. April, 1989
76. Kalin NH. Role of CRF in Mediating Psychopathology. Grand Rounds, Medical College of Wisconsin, Milwaukee, Wisconsin. September, 1989
77. Risch SC, Kalin NH. Dysregulated CSF POMC Peptides in Depression. Society of Biological Psychiatry. 1989
78. Risch SC, Lewine RJ, Jewart RD, Pollard WE, Kalin NH, Stipetic M, Risby ED, Brummer M. The Relationship Between Lateral Ventricle Size and CSF Peptides and Neurotransmitters in Depressed Patients and Normal Controls. American College of Neuropsychopharmacology. Maui, Hawaii. December, 1989
79. Takahashi LK, Baker EW, Kalin NH. Ontogeny of Behavioral and Hormonal Responses to Stress in Prenatally Stressed Rat Pups. Society for Neuroscience. Phoenix, Arizona. October, 1989
80. Uno H, Schroeder B, Alsom P, Takahashi L., Kalin NH. The Effect of Prenatal Stress on the Hippocampus in Rats. Society for Neuroscience. Phoenix, Arizona. October, 1989
81. Kalin NH, Shelton SE. Effects of Alprazolam on Fear-Related Responses in Monkeys: Behavioral, Endocrine, and Neurochemical. American College of Neuropsychopharmacology. San Juan, Puerto Rico. December, 1990
82. Kalin NH, Shelton SE. Effects of Beta-Carboline on the Defensive Behaviors and Stress-Related Hormonal Changes in Infant Rhesus Monkeys. Society for Neuroscience. St. Louis, Missouri. October, 1990
83. Kalin NH, Shelton SE. Ontogeny of Basal and Stress-Induced Release of ACTH, Cortisol, and GH in Infant Rhesus Monkeys. Endocrine Society, Atlanta, Georgia. June, 1990
84. Kalin NH, Takahashi LK, Shelton SE. The Role of CRH Systems in Mediating Psychopathology: Animal Models. Internationale Neuropsychopharmacologicum Congress. Kyoto, Japan. September, 1990
85. Kalin NH. Influence of the HPA System on Brain and Behavior of Rodents and Primates. International Society of Psychoneuroendocrinology, Buffalo, New York. August, 1990
86. Kalin NH. Ontogeny of Emotional Development and Factors Regulating Defensive Behaviors in Infant Rhesus Monkeys. Conference on Emotional Expression and Recognition in Animals. MacArthur Foundation Mental Health Research Network 1. February, 1990
87. Kalin NH. The Neurobiological Basis of Defensive Behaviors in Infant Rhesus Monkeys. International Society for Research on Aggression. Banff, Alberta, Canada. June, 1990
88. Mathe AA, Kalin NH, Bergman P, Shelton S, Thoren N. Eicosanoid-HPA Interrelationships. International Congress on Prostaglandins and Related Compounds. Florence, Italy. May, 1990
89. Mathe AA, Thoren N, Kalin NH, Shelton SE, Bergman P, Stenfort C. Prostaglandin-HPA Interactions. Internationale Neuropsychopharmacologicum Congress. Kyoto, Japan. 1990
90. Pearlman SE, Kalin NH, Blood KMT, Shelton SE, Pyzalski R, Holden JE, Nichols RJ. Metabolic Brain Activity in Rhesus Monkey Mothers During Brief Separation From Their Infants. Nuclear Medicine. Washington, District of Columbia. June, 1990
91. Risch SC, Lewin RJ, Jewart RD, Kalin NH, Stipetic M, Risby ED, Eccard MB, Caudle J, Pollard WE, Brummer M. The Relationship Between Structural Brain Imaging, Limbic HPA Activity, and CSF CRF and Catecholamine Metabolites in Affective Disorders and Schizophrenia. Internationale Neuropsychopharmacologicum Congress. Kyoto, Japan. 1990

92. Risch SC, Lewine RD, Pollard WE, Caudle JM, Kalin NH, Stipetic M, Eccard M, Risby E, Hauger R. The Relationship Between CSF CRH, ACTH, 24 hr Urinary Free Cortisol Secretion and CSF Neurotransmitter Metabolites in Normal Controls. Endocrine Society. Atlanta, Georgia. June, 1990.
93. Shelton SE, Kalin NH. The Role of Opiate Systems in Mediating Stress-Induced Defensive Behaviors in Infant Rhesus Monkeys. International Society for Developmental Psychobiology. Cambridge, England. July 1990
94. Takahashi LK, Cai N, Turner JG, Kalin NH. Temporal Characteristics of Stress-Induced Secretion of Pituitary-Adrenal Hormones and Brain Catecholamines in Prenatally Stressed Rat Pups. Society for Neuroscience. St. Louis, Missouri. October, 1990
95. Takahashi LK, Kalin NH, Shelton SE, Cai N, Turner JG. Role of Alpha-1 Systems in Modulating Fear-Induced Responses. American College of Neuropsychopharmacology. San Juan, Puerto Rico. December, 1990
96. DasGupta K, Shelton SE, Barksdale CM, Kalin NH. Cerebrospinal Fluid CRH and Pituitary-Adrenal Hormone Concentrations Change Across Rhesus Monkey's Life Span. American College of Neuropsychopharmacology. San Juan, Puerto Rico. December, 1991
97. Kalin NH, Shelton SE, Snowdon CT. Opiate Regulation of Affiliative Vocalizations and Behaviors in Infant Rhesus Monkeys. Society for Neuroscience. New Orleans, Louisiana. November, 1991
98. Kalin NH. Non-Human Primate Models of Anxiety: Their Use in Understanding the Neurobiology of Human Anxiety. Eleventh National Conference on Anxiety Disorders. Chicago, Illinois. April, 1991
99. Kalin NH. Role of Benzodiazepine Systems in Mediating Fear-Related Behavior in Infant Monkeys. Research Seminar; Rush Presbyterian - St. Lukes Hospital, Chicago, Illinois. July, 1991
100. Kalin NH. The Development of Fear-Related Behavior or Hormonal Predisposition in Infant Primates. International Society of Psychoneuroendocrinology. Siena, Italy. June, 1991
101. Mathe AA, Thoren M, Kalin NH, Shelton S, Stenfors C, Bergman P. Eicosanoid-neuroendocrine relationships. World Congress of Biological Psychiatry. Florence, Italy. June, 1991
102. Shelton SE, Kalin NH. Differential Effects of Pharmacological Agents on Separation Anxiety and Threat-Induced Fear in Nonhuman Primates. International Society of Psychoneuroendocrinology. Sienna, Italy. June, 1991
103. Takahashi LK, Swiergel AH, Rubin WW, Kalin NH. Antagonism of Corticotropin-Releasing Factor Receptors in the Locus Coeruleus Reduces Defensive Behavior in Rats. American College of Neuropsychopharmacology. San Juan, Puerto Rico. December, 1991
104. Grigoriadis DW, Dent GW, Kalin NH, Turner JE, Shelton SE, Uno H, DeSouza EB. Autoradiographic Localization and Characterization of Corticotropin-Releasing Hormone (CRH) Receptors in Pituitary and Discrete Brain Regions of the Rhesus Monkey. American College of Neuropsychopharmacology. San Juan, Puerto Rico. December, 1992
105. Kalin NH, Grigoriadis DE, DeSouza EB, Turner JG, Dent GW, Shelton SE, Uno H. Corticotropin Releasing Hormone (CRH) Receptors Involved in Mediating Fear in the Rhesus Monkey. Society for Neuroscience. Anaheim, California. October, 1992
106. Kalin NH, Swiergiel A, Takahashi LK. Brain Sites Involved in Mediating the Behavioral Effects of CRH. International Society of Psychoneuroendocrinology. Madison Wisconsin. August, 1992.
107. Kalin NH. Aspects of Emotion Conserved Across Species. MacArthur-McDonnell Affective Neuroscience Meeting. Washington, District of Columbia. November, 1992
108. Kalin NH. Development and Regulation of Fearfulness. Grand Rounds, University of Chicago, Chicago, Illinois. April, 1992

109. Kalin NH. Principles of Diagnosis. Symposium on Bipolar Disorder: Current Progress and Future Directions in Diagnosis and Management. Amelia Island, Florida. September, 1992
110. Kalin NH. Stress and the Development of Psychopathology. Collegium International Neuropsychopharmacologicum Congress. Nice, France. 1992
111. Kalin NH. The Neurobiology of Fear and Anxiety. Grand Rounds, Ohio State University, Columbus, Ohio. December, 1992
112. Marshall JR, Straus AM, Kalin NH, Davidson RJ. Self-Described Social Anxiety and Salivary Cortisol Levels. International Society of Psychoneuroendocrinology. Madison Wisconsin. August, 1992
113. Reed DA, Lewine R, Kalin NH, Risby E, Risch SC. Clozapine Therapy: Neurobiological Mechanisms. International Society of Psychoneuroendocrinology. Madison Wisconsin. August, 1992
114. Risch SC, Lewine RJ, Kalin NH, Jewart RD, Risby ED, Caudle JN, Stipetic M, Turner J, Eccard MB, Pollard WE. Limbic-Hypothalamic-Pituitary-Adrenal Axis Activity and Ventricular-to-Brain Ratio Studies in Addictive Illness and Schizophrenia. International Society of Psychoneuroendocrinology. Madison Wisconsin. August, 1992
115. Shelton SE, Kekstas RJ, Davidson RJ, Kalin NH. Effects of Benzodiazepine Ligands on Freezing Behavior and Regional EEG Activity in Rhesus Monkeys. Society for Neuroscience, Anaheim, California. October, 1992
116. Swiergiel AH, Kalin NH, Rubin WW, Takahashi LK, Turner J. Brain Norepinephrine Depletion Potentiates Defensive Behavior Induced by Painful Stimuli and Alters Nociception in Rats. International Society of Psychoneuroendocrinology. Madison Wisconsin. August, 1992
117. Swiergiel AH, Kalin NH, Rubin WW, Takahashi LK. Antagonism of CRF Receptors in the Central Nucleus of the Amygdala Attenuates Shock-Induced Freezing Behavior in Rats. Society for Neuroscience. Anaheim, California. October, 1992
118. Kalin NH. Animal Models Implicating CRH Systems in the Pathophysiology of Depression. American Psychiatric Association . San Francisco, California. May 1993
119. Kalin NH. Anxiety: Neurobiological and Physiological Correlates. Grand Rounds, University of Florida, Gainesville, Florida. March, 1993
120. Kalin NH. Current Treatment of Anxiety Disorders. Grand Rounds, The University of Chicago, Department of Psychiatry, Chicago, Illinois. October 1993
121. Kalin NH. Developmental Studies of the Hypothalamo-Pituitary-Adrenal Axis in Primates. International Congress on Hormones, Brain and Neuropsychopharmacology. Rhodes, Greece. September 1993
122. Kalin NH. Effects of Prenatal Stress on Behavior, Hormones, and Noradrenergic Function in Offspring. International Society of Psychoneuroendocrinology. Taormina, Italy. September 1993
123. Kalin NH. Fear and Anxiety: Neurochemical and Neuroendocrine Regulation. Montags-Colloquium Max Planck Institute, Goettingen, Germany. June 1993
124. Kalin NH. Neurobiological Basis of Anxiety. Grand Rounds, University of Iowa, Iowa City, Iowa. October 1993
125. SE Shelton, NH Kalin. Opiate Regulation of Affiliation Between Primate Mothers and Infants. Society for Neuroscience, Washington, District of Columbia. November 1993
126. Shelton SE, Kalin NH. Parallel changes in brain opiate systems modulate intimate contact between a primate mother and her infant. International Society of Psychoneuroendocrinology. Taormina, Italy. September 1993
127. Wing LL, Shelton SE, Kalin NH, Kulaga H. A Non-human Primate Model of Stress-induced Alterations in Cell Surface Antigens. Society for Neuroscience. Washington, District of Columbia. November 1993.

128. Wing LL, Shelton SE, Kalin NH, Kulage H. A non-human primate model of stress-induced immunologic alterations of cell surface antigens. American Psychiatric Association, San Francisco, California. May 1993
129. Kalin NH, Neurobiology of Fear and Anxiety. Grand Rounds, Topeka VA Hospital, Topeka, Kansas. April 1994
130. Kalin NH. Animal Models to Evaluate the Role of Corticotropin Releasing Factor in Psychopathology. International Society of Psychoneuroendocrinology. Seattle, Washington. August 1994
131. Kalin NH. Brain Receptors Relating to Schizophrenia. Physician Clinic Conference, Marquette, Michigan. September 1994
132. Kalin NH. Depression Complicating Medical Illness. University of Wisconsin, Madison Wisconsin. November 1994
133. Kalin NH. Effects of Steroid and Peptide Hormones on Brain Function Implications for Treatment Development. International Neuropsychopharmacologicum. Washington, District of Columbia. June 1994
134. Kalin NH. Increased Amygdala CRH mRNA is Associated with Conditioned Fear. American College of Neuropsychopharmacology. San Juan, Puerto Rico. December 1994
135. Kalin NH. Management of Depression in the Elderly and Medically Ill Patient. Grand Rounds, Lutheran General Hospital, Chicago, Illinois. June 1994
136. Kalin NH. The Neurobiology of Fear and Anxiety. University of Western Ontario, London, Ontario, Canada. January 1994
137. Kalin NH. The Neurobiology of Fear. Grand Rounds, Medical University of South Carolina. Charleston, South Carolina. October 1994
138. Kalin NH. Understanding Individual Differences in Fearfulness in Monkeys and its Relation to Human Anxiety Disorders. The Psychonomic Society. St. Louis, Missouri. November 1994
139. Kalin NH. Understanding Individual Differences in Fearfulness in Monkeys and its Relation to Human Anxiety Disorders. Society for Neuroscience. Miami, Florida. November 1994
140. Nemeroff CB, Kalin NH, Evans D. Depression Complicating Medical Illness: A Primary Care Update. Conference. Charlotte, North Carolina. May 1994
141. Shelton SE, Kalin NH, Rickman MD. Predictors of Behavioral Inhibition in Infant and Mother Rhesus Monkeys. Society for Neuroscience. November, 1994
142. Kalin NH. Contemporary Management of Uncomplicated Depression. Psychiatry Residents' Symposium, Palm Beach, Florida. October 1995
143. Kalin NH. Diagnosis of Mood and Anxiety Disorders. Residents' Symposium Recent Advances in the Management of Mood and Anxiety Disorders. Orlando, Florida. April 1995
144. Kalin NH. Emotion and Psychopathology. Wisconsin Symposium on Emotion. Madison Wisconsin. April 1995
145. Kalin NH. Neurobiology of Early Trauma: Implications for the Pathophysiology of Mood and Anxiety Disorders. Society for Neuroscience. San Diego, California. November 1995
146. Kalin NH. Neurobiology of Fear. Massachusetts General Hospital Winter Psychopharmacology Conference. Boston, Massachusetts. March 1995
147. Kalin NH. Preclinical Studies Implicating CRF in Mediating Anxiety and Depression. Summer Neuropeptide Conference, Martha's Vineyard, Massachusetts. June 1995
148. Kalin NH. Predictors of Behavioral Inhibition in Infant and Mother Rhesus Monkeys. Psychiatric Research Society. Park City, Utah. February 1995

149. Kalin NH. Recognizing and Treating Depression in the Mid-90's. American College of Physicians, Atlanta, Georgia. March 1995
150. Kalin NH. Role of Corticotrophin Releasing Factor in Depression: Preclinical and Clinical Studies. Neurotransmitter Consensus Meeting. Scottsdale, Arizona. January 1995
151. Kalin NH. The Neurobiology of Depression and its Treatment. Grand Rounds, Wausau Hospital, Wausau, Wisconsin. February 1995
152. Kalin NH. Treatment of Depression in Patients with Bipolar Disorder, Advances in the Diagnosis and Treatment of Manic-Depressive Illness. November 1995
153. Kalin NH. Treatment of Depression in the Medically Ill. Mood Disorders Consultant's Meeting, Turnberry Isle, Florida. September 1995
154. Shelton SE; Kalin NH. Emotional Responses, Stress Hormones, and Monoamines as Trait Variables. International Society of Psychoneuroendocrinology. Munich, Germany. September 1995
155. Kalin NH, Shelton SE. Development of Fear in Primates: Implications for Psychopathology. International Primatological Society. Madison Wisconsin. August 1996
156. Kalin NH. Animal Models examining the role of CRF systems in Mediating Behavior and Psychopathology. DuPont Merck Pharmaceutical Corporation. Delaware. December 1995
157. Kalin NH. Animal Models of Depression and Anxiety: Utility in New Drug Development, International Society of Psychoneuroendocrinology. Cascais, Portugal. August 1996
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309. Christian BT, Murali D, Vandehey NT, Fox AS, Oakes TR, Nickles RJ, Shelton SE, Davidson RJ, Kalin NH. Database of D2/D3 receptor binding in the adolescent rhesus monkey. Society for Nuclear Medicine, New Orleans, Louisiana, June 2008

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311. Kirkland JZ, Essex MJ, Slattery MJ, Kalin NH, Davidson RJ. Neural activation during a go/no-go task with face and object stimuli: A comparison of high and low socially-anxious individuals. Society for Research on Adolescence. Chicago, Illinois, 2008
312. Roseboom PH, Nanda SA, Qi C, Kalin NH. Threat-induced behavioral inhibition in rats: A model to examine mechanisms underlying maladaptive behaviors and the risk to develop anxiety and depression. Society of Biological Psychiatry, Washington, District of Columbia. May 2008
313. Shelton S, Fox A, Davidson R, Oakes T, Kalin N. Increased amygdale activity predicts anxious temperament in adolescent primates. Biological Psychiatry, Washington DC, May, 2008
314. Shelton SE, Fox AS, Oler JA, Oakes TR, Christian BT, Davidson RJ, Kalin NH. 5-HTT binding in the bed nucleus of the stria terminalis predicts individual differences in anxious temperament. International Society of Psychoneuroendocrinology, Dresden, Germany. July 2008
315. Fox AS, Shelton SE, Alexander AL, Oakes TR, Shackman AJ, Davidson RJ, Kalin NH. Diffusion tensor imaging (DTI) demonstrates that prefrontal-amygdala relationships relate to anxious temperament and amygdale metabolism. Human Brain Mapping: San Francisco, California. June 2009
316. Lane JC, Qi C, Nanda SA, Speers JM, Roseboom PH and Kalin NH. Developing a rodent model of anxious temperament for mechanistic studies of anxiety-like behaviors in rodents. Society for Neuroscience, Washington, District of Columbia. 2009
317. Shelton SE, Oler JA, Fox AS, Oakes TR, Davidson RJ, Kalin NH. Activity of the primate amygdale central nucleus predicts anxious temperament. Society of Biological Psychiatry, Vancouver, British Colombia, Canada. May 2009
318. Kalin, NH. Developmental Aspects of Anxiety and Depression. Grand Rounds, Stanford University, Palo Alto, California. October 2009
319. Kalin, NH. The Neural Circuit Underlying the Developmental Risk for Anxiety and Depression. Neuroscience Seminar, Emory University, Atlanta, Georgia. January 2010
320. Kalin, NH. Developmental Factors Underlying the Risk to Develop Anxiety and Depression. Grand Rounds, Vanderbilt University, Nashville, Tennessee. September 2009
321. Kalin, NH. Developmental factors underlying the risk to develop anxiety and depression. Grand Rounds, University of Miami, Miami, Florida. October, 2010
322. Kalin, NH. Approaches to Treatment of Autism Spectrum Disorders. Seminar, National Institute of Health, Washington, District of Columbia. November 2010
323. Kalin, NH. Developmental Risk for Anxiety and Depression: A Translational Neuroscience approach. Grand Rounds, University of Minnesota, Minneapolis, Minnesota. December, 2010
324. Kalin, NH. Differential Heritability of Hippocampal and Amygdala Function in Relation to the Development of Anxious Temperament. Panel Session, American College of Neuropsychopharmacology, Miami Beach, Florida. December, 2010
325. Kalin, NH. Using fMRI to Predict Treatment Response In Patients With GAD and Depression, Predictors of disease vulnerability and treatment response: personalized medicine in psychiatry. Symposia, 164th Annual American Psychiatric Association Meeting, Honolulu, HI. May, 2011
326. Roseboom PH, Nanda SA, Fox AS, Oler JA, Shelton SE, Kalin NH. Neuropeptide Y System Gene Expression in the Non-human Primate Amygdala is associated with Anxious Temperament. American College of Neuropsychopharmacology, Waikoloa, Hawaii. December, 2011

327. Kalin NH. Alterations in Gene Expression in the Central Nucleus of the Amygdala Associated with Anxious Temperament in Primates. Symposia, Society of Biological Psychiatry, Philadelphia, Pennsylvania. May, 2012
328. Kalin NH. Using the Nonhuman Primate Developmental Model of Anxious Temperament to Conceptualize New Approaches to Early Interventions. Symposia, 165th American Psychiatric Association Meeting, Philadelphia, Pennsylvania. May, 2012
329. Kalin, NH. Developmental Risk for Anxiety and Depression: A Translational Neuroscience Approach. Distinguished Psychiatrist Lecture, 165th American Psychiatric Association Meeting, Philadelphia, Pennsylvania. May, 2012
330. Kalin, NH. Developmental Risk for Anxiety and Depression: A Translational Neuroscience Approach. Grand Rounds, Stanford University, Palo Alto, California. June, 2012
331. Kalin, NH. Developmental Risk for Anxiety and Depression: A Translational Neuroscience Approach. Grand Rounds, Wright State University, Dayton, Ohio. September 2012
332. Tromp DTM, Fox AS, Oler J, Adluru N, Davidson RJ, Alexander A, and Kalin NH. Cortisol Predicts Increased Internal Capsule Integrity in a Large Sample of Non-Human Primates. 42nd International Society of Psychoneuroendocrinology Conference, New York, New York. September, 2012
333. Fox AS, Oler J, Tromp DTMT, Shackman A, Alexander A, Davidson RJ, Kalin NH. Cortisol predicts decreased cerebral cortical volume in 592 young non-human primates. International Society of Psychoneuroendocrinology Conference, New York, New York. September, 2012
334. Tromp DTM, Oler J, Fox AS, Shackman A, Davidson RJ, Birn R, Alexander A, and Kalin NH. Structural and Functional Connectivity of the Extended Amygdala in Newborn Monkeys. Society for Neuroscience, Neuroscience 2012, New Orleans, Louisiana. October, 2012
335. Kalin, NH. Anxiety Disorders: New Evidence for Structural and Functional Connectivity Abnormalities. American College of Neuropsychopharmacology, Hollywood, Florida. December, 2012
336. Kalin, NH. Affective Neuroscience of Young Monkeys to Developing Population: Translational Studies of Brain Function Informing Interventions. American College of Neuropsychopharmacology, Hollywood, Florida. December, 2012
337. Kalin, NH. Developmental Risk for Anxiety and Depression: A Translational Neuroscience Approach. Grand Rounds, University of Arkansas, Fayetteville, Arkansas. February, 2013
338. Kalin, NH. Developmental Risk For Anxiety: Recent Developments in Genetic and Neuroimaging Studies. Anxiety and Depression Association of America, La Jolla, California. April, 2013
339. Kalin, NH. Role of the BNST in Mediating the Childhood Risk to Develop Anxiety and Depression. Society of Biological Psychiatry, San Francisco, California. May, 2013
340. Kalin, NH. CRH-R1 and CRH-R2 Genetic Variation in Anxious Young Rhesus Monkeys. Society of Biological Psychiatry, San Francisco, California. May, 2013
341. Tromp DTM, Fox AS, Oler J, Shelton S, Rogers J, Blangero J, Adluru N, Alexander A, Davidson RJ, and Kalin NH. Anxious Temperament in 534 Young Rhesus Monkeys Predicts Increased Integrity of a Significantly Heritable Region within the Internal Capsule. Society of Biological Psychiatry, San Francisco, California. May, 2013
342. Williams LE, Oler J, McFarlin D, Birn R, Rogers J, Taft W, Jesson M, Pine D, and Kalin NH. Amygdala-Prefrontal Connectivity is Altered in Childhood Anxiety. Society of Biological Psychiatry, San Francisco, California. May, 2013
343. Fox AS, Shackman A, Tromp DTM, Birn R, Oler J, Adluru N, Nanda S, Shelton S, Alexander A, Davidson RJ, Roseboom P, and Kalin NH. Amygdala-Prefrontal Connectivity Predicts Anxious Temperament and Gene

- Expression in the Primate Dorsal Amygdala. Society of Biological Psychiatry, San Francisco, California. May, 2013
344. Tromp DTM, Destiche D, Burghy C, Fox AS, Armstrong J, Ruttle P, Davidson RJ, Slattery MJ, Alexander A, Essex MJ, and Kalin NH. White-matter integrity in the anterior parahippocampal cingulum predicts reactive cortisol in response to an acute psychosocial stressor. International Society of Psychoneuroendocrinology, Leiden, The Netherlands, August, 2013
 345. Kalin, NH. Stress and Mental Illness: From Genomics to Imaging. CRH-R1 and CRH-R2 Genetic Variation in Anxious Young Rhesus Monkeys. Neuroscience School of Advanced Studies, Cortona, Italy. August, 2013
 346. Kalin, NH. Anxiety Diagnosis and Management. Chair Summit. Tampa, Florida. September, 2013
 347. Kalin, NH. Perspectives in the Management of Anxiety Disorders. Chair Summit. Tampa, Florida. September, 2013
 348. Kalin, NH. Understanding Neurodevelopmental Risk Factors leading to Anxiety and Depression to Inform Novel Early Interventions in Vulnerable Children. American College of Neuropsychopharmacology, Hollywood, Florida. December, 2013
 349. Kalin, NH. Primate Models of Depression. Qatar Clinical Neuroscience Conference, Doha, Qatar. March, 2014
 350. Kalin, NH. Neurodevelopmental Risk Factors leading to Anxiety and Depression. Grand Rounds, Loyola. March, 2014
 351. Kalin, NH. The Neurobiology of Early-Life Anxiety. Anxiety and Depression Association of America, Chicago, IL. March, 2014
 352. Rogers G, Williams LE, Oler J, McFarlin DR, Taft WB, Jesson ML, Pine DS, Kalin NH. Heightened Sensitivity to Uncertainty in Children with Anxiety Disorders. Anxiety and Depression Association of America, Chicago, IL. March, 2014
 353. Do P. M. Tromp, Andrew S. Fox, Jonathan A. Oler, Patrick H. Roseboom, Andrew L. Alexander, Ned H. Kalin. Early Life Adversity Leads to Aberrant Structural Development of Amygdala-prefrontal Network in Non-human Primates. Society of Biological Psychiatry, New York, NY. May, 2014
 354. Patrick H. Roseboom, Jonathan A. Oler, Andrew S. Fox, Ned H. Kalin. Mifepristone Decreases Anxiety-like Behaviors in a Non-human Primate Model of Anxious Temperament. Society of Biological Psychiatry, New York, NY. May, 2014
 355. Brendon M. Nacewicz, Andrew L. Alexander, Ned H. Kalin, Richard J. Davidson. The Neurochemical Underpinnings of Human Amygdala Volume Including Subregional Contributions. Society of Biological Psychiatry, New York, NY. May, 2014
 356. Mitzy Kennis, Sanne J. H. van Rooij, Do P. M. Tromp, Arthur R. Rademaker, René S. Kahn, Ned H. Kalin, Elbert Geuze. Alterations in White Matter Tracts in Veterans with PTSD versus without PTSD and Healthy Controls. Society of Biological Psychiatry, New York, NY. May, 2014
 357. Kalin, NH. The Neural Substrates of Anxiety Vulnerability. Society of Biological Psychiatry, New York, NY. May, 2014
 358. Kalin, NH. The Neurobiology of Pervasive Anxiety: The Role of Circuits Centered on the Extended Amygdala. Society of Biological Psychiatry, New York, NY. May, 2014
 359. Kalin, NH. Perspectives in the Management of Anxiety Disorders. Chair Summit. Tampa, Florida. September, 2014
 360. Kalin, NH. Update on the Neurobiology of Depression, University of Wisconsin 2nd Annual Update and Advances in Psychiatry, Madison, Wisconsin. October, 2014

361. Kalin, NH. Neurodevelopmental Risk Factors leading to Anxiety and Depression. Grand Rounds, University of Miami, Miami, Florida. October, 2014
362. Kalin, NH. Developing Methods for Cross-species Research on Impairing Irritability in Children, American College of Neuropsychopharmacology, Phoenix, Arizona. December, 2014
363. Kalin, NH. Neurodevelopmental risk factors leading to anxiety and depression. Biobehavioral Health Colloquium, Penn State College of Health and Human Development, University Park, Pennsylvania. February, 2015
364. Kalin, NH. Altered Neural Circuitry Underlying the Risk to Develop Anxiety and Depression: Nonhuman Primate Translational Studies. British Neuroscience Association, BNA2015: Festival of Neuroscience, Edinburgh, Scotland. April, 2015
365. Kalin, NH. Neurodevelopmental risk factors leading to anxiety and depression. Grand Rounds, University of Texas Medical Branch, Galveston TX. May, 2015
366. Kalin, NH. Altered Neural Circuitry Underlying the Risk to Develop Anxiety and Depression: Nonhuman Primate Translational Approach. Society of Biological Psychiatry, Toronto, Canada. May, 2015.
367. Andrew S. Fox, Tade Souaiaia, Jonathan A. Oler, Jae Mun Kim, Joseph Nguyen, Patrick H. Roseboom, James A. Knowles, Ned H. Kalin. Anxious Temperament Related Gene Expression in the Primate Central Nucleus of the Amygdala Revealed with RNA-Seq. Society of Biological Psychiatry, Toronto, Canada. May, 2015
368. Alexander J. Shackman, Andrew S. Fox, Jonathan A. Oler, Jennifer S. Weinstein, Ramon Martinez-Cancino, Terrence R. Oakes, Steven E. Shelton, Jason F. Smith, Luiz Pessoa, Matthias Gamer, Richard J. Davidson, Ned H. Kalin. The Extended Amygdala is a Key Substrate for Sustained Anxiety. Society of Biological Psychiatry, Toronto, Canada. May, 2015
369. Jonathan A. Oler, Andrew S. Fox, Do P. M. Tromp, Patrick H. Roseboom, Andrew L. Alexander, Richard J. Davidson, Ned H. Kalin. Behavioral, Neural and Endocrine Changes Associated with Nursery/Peer Rearing in Rhesus Monkeys. Society of Biological Psychiatry, Toronto, Canada. May, 2015.
370. Rothem Kovner, Patrick H. Roseboom, Delores A. French, Jonathan A. Oler, Andrew S. Fox, Julie L. Fudge, Ned H. Kalin. Characterization of Somatostatin Expressing Neurons in the Primate Central Extended Amygdala. Society of Biological Psychiatry, Toronto, Canada. May, 2015
371. Kalin, NH. Allelic Variation in CRH-R1 SNP's as Biomarkers for Depression and Anxiety. Society of Biological Psychiatry, Toronto, Canada. May, 2015
372. Lisa E. Williams, Jonathan A. Oler, Andrew S. Fox, Daniel R. McFarlin, Gregory M. Rogers, Maria A. L. Jesson, Richard J. Davidson, Daniel S. Pine, Ned H. Kalin. Fear of the Unknown: Increased Neural Activation During Uncertain Anticipation in Childhood Anxiety Disorders. Society of Biological Psychiatry, Toronto, Canada. May, 2015
373. Mitzy Kennis, Sanne J. H. van Rooij, Do P. M. Tromp, Andrew S. Fox, Arthur R. Rademaker, Rene S. Kahn, Ned H. Kalin, Elbert Geuze. Increased Dorsal Cingulum Fractional Anisotropy in Persistent Posttraumatic Stress Disorder. Society of Biological Psychiatry, Toronto, Canada. May, 2015
374. Patrick H. Roseboom, Andrew S. Fox, Jonathan A. Oler, Daniel R. McFarlin, Benjamin P. Grabow, Miles E. Olsen, Ethan K. Brodsky, Rothem Kovner, Marissa K. Riedel, Eva M. Fekete, Do PM Tromp, Rasmus M. Birn, Andrew L. Alexander, Marina E. Emborg, Walter F. Block, Ned H. Kalin. Overexpression of Corticotropin-releasing Hormone (CRH) in the Dorsal Amygdala Alters Anxious Temperament and Brain Metabolic Activity. Society of Biological Psychiatry, Toronto, Canada. May, 2015
375. Do P. M. Tromp, Lisa E. Williams, Andrew S. Fox, Jonathan A. Oler, Gregory R. Rogers, Daniel S. Pine, Ned H. Kalin. White Matter Alterations in Pre-Adolescent Children with Anxiety Disorders. Society of Biological Psychiatry, Toronto, Canada. May, 2015

376. Kalin, NH. Insights into Novel Early Interventions from Nonhuman Primate Translational Studies of Anxious Temperament. American Psychiatric Association, Toronto, Canada. May, 2015.
377. Kalin, NH. Developmental Risk for Anxiety and Depression. University of California - Davis, Mind Institute Distinguished Lecture Series, Sacramento, CA. June, 2015
378. Fox AS, Shackman AJ, Oler JA, Birn RM, Alexander AA, Shelton SE, Davidson RJ, Kalin NH, The Neural Substrates of Anxious Temperament in Young Rhesus Monkeys. Nanosymposium, Society for Neuroscience Annual Meeting, Chicago, October, 2015
379. Kovner R, Fox AS, Roseboom PH, French DA, Oler JA, Fudge JL, Kalin NH. Characterizing Neuropeptide Expression in the Primate Central Extended Amygdala: Providing a Basis for Understanding Mechanisms Underlying Anxiety. Society of Biological Psychiatry, Atlanta, GA. May, 2016
380. Tromp DPM, Fox AS, Oler JA, Alexander AL, Kalin NH. Evolutionarily Conserved Role for Prefrontal-Amygdalar White Matter in Anxious Temperament in 539 Young Rhesus Monkeys. Society of Biological Psychiatry, Atlanta, GA. May, 2016.
381. Fox AS, Birn RM, Shackman AJ, Raveendran M, Alexander AL, Davidson RJ, Rogers J, Kalin NH. Heritability of Functional Connectivity Between Components of the Extended Amygdala in Young Non-human Primates. Society of Biological Psychiatry, Atlanta, GA. May, 2016
382. Nacewicz BM, Oler JA, Roseboom PH, Riedel MK, Fekete EM, Fox AS, Kalin NH. Resolving Viral Vector-Mediated Changes in Discrete Neural Circuits Subserving Anxious Temperament with In Vivo Magnetic Resonance Spectroscopy. Society of Biological Psychiatry, Atlanta, GA. May, 2016
383. Kalin NH. Translational Research Approaches to Understanding Psychiatric Illness. Society of Biological Psychiatry, Atlanta, GA. May, 2016
384. Kalin, NH. Translating Molecular Models in Non-Human Primates to Human Anxiety Disorders. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY. August, 2016
385. Kalin, NH. A nonhuman primate model facilitates the development of neuroplasticity-related treatment targets for anxiety disorders. International Society of Psychoneuroendocrinology, Miami, FL. September, 2016
386. Kalin, NH. Sleep and Anxiety Disorders in Veterans. Chair Summit, Coral Gables, FL. September, 2016
387. Kalin, NH. Threat-Related Response: Tipping the Balance Between Appetitive and Defensive Behaviors. Chair Summit, Coral Gables, FL. September, 2016
388. Oler JA, Fox AS, Tromp DPM, Riedel MK, Fekete EM, Roseboom PH, Murray EA, Kalin NH. Effects of caudal orbitofrontal cortex lesions on threat-related behavior and brain metabolism in young female rhesus monkeys. Program No. 634.26. *2016 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2016 Online.
389. Roseboom PH, Fox AS, Oler JA, Olsen ME, Brodksy EK, Kovner R, Riedel MK, Fekete EM, Block WF, Kash TL, Jin J, Kalin NH. Designer receptors exclusively activated by designer drugs (DREADDs) to investigate the molecular underpinnings of anxious temperament in non-human primates. Program No. 634.27. *2016 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2016 Online.
390. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. Charles L. Ravaris, MD Memorial Lecture, Dartmouth-Hitchcock Medical Center, Lebanon, NH. November, 2016
391. Kenwood MM, Oler JO, Fox AS, Tromp DPM, Zhou X, Riedel MK, Fekete EM, Roseboom PH, Murray EA, Kalin NH. Consequences of altering prefrontal-temporal lobe connectivity in young nonhuman primates. *Biological Psychiatry*, 81 (10):S338, 2017.

392. Roseboom PH, Oler JA, Fox AS, Kovner R, Saul ML, Riedel MK, Fekete EM, Fudge JL, Kalin NH. Hippocampal neurogenesis in primates and its relation to *in vivo* and postmortem measures of hippocampal volume. *Biological Psychiatry*, 81 (10):S343, 2017.
393. Kalin, NH. Update on Neurobiology of Anxiety Disorders. International Conference on Neurobiology of Mood and Anxiety Disorders: Focus on Psychoneuroendocrinology and Psychopharmacology, Buenos Aires, Argentina. January, 2017
394. Kalin, NH. Current Approaches to Psychopharmacological Treatment of Anxiety Disorders. International Conference on Neurobiology of Mood and Anxiety Disorders: Focus on Psychoneuroendocrinology and Psychopharmacology, Buenos Aires, Argentina. January, 2017
395. Kalin, NH. Neurobiology of Anxiety and Depression. Presidential Keynote Address, American Society for Neural Therapy and Repair, Clearwater Beach, FL. April, 2017
396. Kalin, NH. Translating Molecular Models in Nonhuman Primates to Human Anxiety Disorders. National Institute on Drug Abuse Intramural Research Program Seminar Series, Baltimore, MD. May, 2017
397. Kalin, NH. Mechanistic Studies in Primates Implicating Altered Amygdala CRH Systems in Pathological Anxiety. Society of Biological Psychiatry Annual Meeting, San Diego, CA. May, 2017
398. Kalin, NH. Altered Neuroplasticity Mechanisms Underlying the Risk to Develop Psychopathology: Converging Evidence from Rodent and Primate Studies, discussant. Society of Biological Psychiatry Annual Meeting, San Diego, CA. May, 2017
399. Kalin, NH. Translating molecular models in nonhuman primates to human anxiety disorders. National Institute of Mental Health Neural Circuits Workshop, North Bethesda, MD. September, 2017
400. Kalin, NH. Translational research approaches focused on mechanisms underlying the risk to develop stress-related psychopathology. World Psychiatry Association XVII World Congress of Psychiatry, Berlin, Germany. October, 2017
401. Kalin, NH. Using a nonhuman primate model of anxiety to inform the development of personalized treatments. World Psychiatry Association XVII World Congress of Psychiatry, Berlin, Germany. October, 2017
402. Oler JA, Roseboom PH, Kovner R, Riedel MK, Fekete EM, Rabska M, Elam VR, Kulick S, Lao PJ, Zammit MD, Christian BT, Kalin NH. Visualizing DREADDs receptor expression *in vivo* with C-labeled clozapine PET imaging in the nonhuman primate. Program No. 279.06. *2017 Abstract Viewer/Itinerary Planner*. Washington CD: Society for Neuroscience, 2017 Online.
403. Fox AS, Souaiaia T, Oler JA, Kovner R, Kim J, Riedel MK, Fekete EM, Roseboom PH, Knowles JA, Kalin NH. Neurotrophin-3 signaling in the dorsal amygdala decreases early-life anxious temperament in non-human primates. Program No. 196.04. *2017 Abstract Viewer/Itinerary Planner*. Washington DC: Society for Neuroscience, 2017 Online.
404. Shackman AL, Fox AS, Oler JA, Shelton A, Oakes T, Davidson RJ, Kalin NH. Heightened extended amygdala metabolism following threat characterizes the early phenotype risk to develop anxiety related psychopathology. *Molecular Psychiatry*, 22(5):724-32, 2017.
405. Kovner R, Fox AS, Souaiaia T, Roseboom P, French D, Oler J, Fudge J, Knowles J, Kalin NH. Characterizing extended amygdala neuron populations in primates as a basis for exploring altered Ce and BST function in anxiety. *Biological Psychiatry*, 81 (10):S343-S344, 2017.
406. Kalin, NH. Translational studies of the extended amygdala circuitry in early-life anxiety. Anxiety and Depression Association of America Conference, Washington D.C. April, 2018
407. Kalin NH, Nemeroff CB, Widge AS, Rodriguez C, Liston C. Biomarkers in Psychiatry: Current Status and Development. American Psychiatry Association Annual Meeting, New York City, NY. May 2018

408. Kalin, NH. HPA and Amygdala CRH Alterations Associated with Primate Anxiety. Society of Biological Psychiatry Annual Meeting, New York City, NY. May, 2018
409. Kalin, NH. Altered Amygdala Neuroplasticity Systems in Mediating Early Life Anxiety. Society of Biological Psychiatry Annual Meeting, New York City, NY. May, 2018
410. Kenwood M, Oler J, Fox A, Tromp D, Zhou X, Riedel M, Fekete E, Roseboom P, Murray E, Fudge J, Kalin N. Prefrontal regulatory pathways in young non-human primates that modulate the function of the neural circuitry underlying anxious temperament. *Biological Psychiatry*, 83 (9):S133, 2018.
411. Roseboom PH, Kovner R, Souzaiaia T, Lu J, Dong Y, Fathi A, Tao Y, French D, Fox AS, Oler JA, Bhattacharyya A, Zhang SC, Knowles JA, Kalin NH. Characterizing neurotrophic systems in the primate amygdala that are relevant to mediating and treating anxiety disorder. *Biological Psychiatry*, 83 (9):S242, 2018.
412. Kalin, NH. Translational Neuroscience: Innovative Approaches and Clinical Perspectives. Meeting the Minds Scientific Program, Sao Paulo, Brazil. August, 2018
413. Kalin, NH. The heavy hand of genetics in anxiety: Brain structure, metabolism and the transmission of anxiety from one generation to the next. Meeting the Minds Scientific Program, Sao Paulo, Brazil. August, 201.
414. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. Grand Rounds, University of Illinois at Chicago, Chicago, IL. November, 2018
415. Kovner R, Souzaiaia T, Fox A, Roseboom P, Frence D, Oler J, Knowles J, Kalin NH. Protein kinase C delta in neurons of the central nucleus of the amygdala is associated with early life anxious temperament in young rhesus monkeys. Late Breaking Abstract Program No. S282. *2018 Abstract Viewer/Itinerary Planner*. Society of Biological Psychiatry, 2018 Online.
416. Kalin NH. Early Life Predictors for Developing Anxiety and Depression. CME Outfitters 11th Annual Chair Summit: Master Class for Neuroscience Professional Development, Fort Lauderdale, FL. February, 2019
417. Kalin NH, Nemeroff CB. Treatment Resistant Mood and Anxiety Disorders, Part I. The American College of Psychiatrists 2019 Annual Meeting, Honolulu, Hawaii. February, 2019
418. Kalin NH, Nemeroff CB. Treatment Resistant Mood and Anxiety Disorders, Part II. The American College of Psychiatrists 2019 Annual Meeting, Honolulu, Hawaii. February, 2019
419. Oler JA, Dean 3rd DC, Riedel MK, Fekete EM, Elam VR, Nacewicz BM, Roseboom PH, Zhou X, Fox AS, Tromp DP, Birn RM, Alexander AL, Davidson RJ, Kalin NH. Multimodal brain imaging in infant primates predicts the later development of anxious temperament. Society for Research in Child Development meeting, Baltimore, MD, March, 2019
420. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. The Ken Altshuler MD Grand Rounds in Psychiatry Series, University of Texas Southwestern Medical Center, Dallas, TX. May, 2019
421. Moody JF, Kecskemeti SR, Dean III D, Oler JA, Tromp D, Alexander AL, Kalin, NH. A time-averaged MRI brain template for the infant rhesus macaque. Neuroanatomy: Seeing is Believing, Digital Poster, Neuro. *2019 Abstract Viewer/Itinerary Planner*. International Society for Magnetic Resonance in Medicine, 2019 Online.
422. Kalin NH. The Complexity and Importance of the Central Nucleus of the Amygdala in Anxiety and Addiction. Session Chair. Society of Biological Psychiatry Annual Meeting, Chicago, IL. May, 2019
423. Crux J, Williams L, McFarlin D, Aggarwal N, Kalin NH. Coorugator supercilii activity during negative anticipation is enhanced in preadolescent girls with anxiety disorders. Late Breaking Abstract Program No. T259. *2019 Abstract Viewer/Itinerary Planner*. Society of Biological Psychiatry, 2019 Online.

424. Mueller SAL, Oler JA, Riedel M, Fekete E, Elam V, Olson M, Galvan A, Michaelides M, Roseboom PH, Kalin NH. Chemogenetic inhibition of the amygdala alters anxiety-related behavior in young monkeys. Late Breaking Abstract Program No. T233. *2019 Abstract Viewer/Itinerary Planner*. Society of Biological Psychiatry, 2019 Online.
425. Kalin NH. Interactions between Neurobiological, Genetic and Environmental Factors of Vulnerability in the Development of Depression and Anxiety Disorders. American Psychiatric Association Annual Meeting, San Francisco. May, 2019
426. Kalin, NH. The Neural Circuitry Underlying the Childhood Risk to Develop Anxiety and Depression. The 19th World Psychiatric Association's World Congress of Psychiatry, Lisbon, Portugal. August, 2019
427. Kalin NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. Grand Rounds Presentation, MAYO Clinic, Rochester, MN. October, 2019
428. Kalin, NH. Using Non-Human Primates to Develop Novel Intervention Strategies for the Treatment of Anxiety. American Academy of Child & Adolescent Psychiatry's 65th Annual Meeting, Chicago, IL. October, 2019
429. Kalin, NH. Biological Bases of Depression. International Congress, Depression and Schizophrenia: from Mechanisms to the Clinic, Bari, Italy. November, 2019
430. Kalin, NH. Studies in Young Children and Young Nonhuman Primates Focused on Mechanisms Underlying the Risk to Develop Anxiety and Depression. 58th Annual Meeting of The American College of Neuropsychopharmacology, Orlando, FL. December, 2019
431. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. Grand Rounds Presentation, Stony Brook University, Stony Brook, NY. February, 2020
432. Kalin, NH. The Neurobiology of Depression with a Focus on Ketamine. CME Outfitters 12th Annual Chair Summit, Las Vegas, NV. February, 2020
433. Kalin, NH. Managing Stress and Staying Resilient, University of Wisconsin, Department of Medicine Town Hall, Madison, WI. April, 2020
434. Kalin, NH. Managing Stress and Staying Resilient. Grand Rounds Presentation, University of Wisconsin, Department of Anesthesiology, Madison, WI. April, 2020
435. Kalin, NH. Managing Stress and Staying Resilient, University of Wisconsin, Department of Dermatology Town Hall, Madison, WI. May, 2020
436. Kalin, NH. Webinar talk about previous published paper: Novel Insights Into Pathological Anxiety and Anxiety-Related Disorders, Maudsley Hospital and King's College, London, England. May, 2020
437. Kalin, NH. Managing Stress and Staying Resilient, University of Wisconsin, Department of Population Health Sciences, Madison, WI. July, 2020
438. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. Grand Rounds Presentation, Columbia University, New York, NY. September, 2020
439. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. Psychiatry & Behavioral Sciences Grand Rounds WebEx, Rush University Medical Center, Chicago, IL, October, 2020
440. Kalin, NH. Early Life Factors Associated with the Development of Anxiety and Depression. International Conference of the Section of Psychoneuroendocrinology of the World Psychiatric Association Webinar, Buenos Aires, Argentina. October, 2020

441. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. Stanford University Department of Psychiatry and Behavioral Sciences Grand Rounds, Stanford, CA. November, 2020
442. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. The Zucker Hillside Hospital, Department of Psychiatry Regularly Scheduled Series, Glen Oaks, New York. January, 2021
443. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. William K. Warren Jr. "Frontiers in Neuroscience" Lecture Series, Laureate Institute for Brain Research, Tulsa, OK. February, 2021
444. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. Grand Rounds Lecture, Department of Psychiatry, Westchester Medical Center, Valhalla, New York. March 2021
445. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. McLean Hospital Virtual Neuroscience Seminar, Harvard Medical School Affiliate, Boston, MA. April, 2021
446. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. University of Pittsburgh School of Medicine, Department of Psychiatry Distinguished Scientist Lecturer, Pittsburgh, PA. April, 2021
447. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. C. Charles Burlingame Awardee for 2020, Hartford Hospital/Institute of Living, Hartford, Connecticut. May, 2021
448. Kalin, NH. Translational Studies Identifying Circuits and Molecules Underlying the Childhood Risk to Develop Stress-Related Psychopathology. Bruce McEwen Lifetime Achievement Award of the International Society of Psychoneuroendocrinology, ISPNE 2021 Virtual Conference, Chicago, IL. September, 2021
449. Kalin, NH. Understanding the Early Life Risk to Develop Pathological Anxiety. Brain & Behavior Research Foundation, 2021 Meet The Scientist Webinar Series, New York, NY. October 2021
450. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach, Icahn School of Medicine at Mount Sinai Grand Rounds, New York, NY. October 2021
451. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. Jersey Shore University Medical Center, Department of Psychiatry and the associated Hackensack Meridian Medical Centers, Neptune, NJ. October, 2021
452. Kalin, NH. The Childhood Risk to Develop Anxiety and Depression: A Translational Neuroscience Approach. Tufts Medical Center, Department of Psychiatry, Boston, MA. February 2022