

The Place for Achieving Total Health
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EDUCATION

New York University School of Medicine, New York, NY 1983
Doctor of Medicine with honors in Physiology
Brandeis University, Waltham, MA 1979
B.A., General Science
Phi Beta Kappa, summa cum laude, honors

POST-GRADUATE EXPERIENCE

Greenwich Hospital Association, Yale Medical School Affiliate 1983-1984
Massachusetts General Hospital, Harvard Medical School Affiliate 1978-1979

CURRENT INTERESTS

Addiction and substance abuse, neurology, aging and cognitive decline, nutrition, total health and wellness

FACULTY APPOINTMENTS

USC Keck School of Medicine 2016
Adjunct Research Assistant Professor of Psychiatric & Behavioral Sciences
Weill Cornell Medical College
Clinical Assistant Professor of Integrative Medicine in Neurological Surgery 2007-2013
Assistant Professor of Integrative Medicine 2012-2013
University of Florida College of Medicine & McKnight Brain Institute, Courtesy
Assistant Professor, Department of Psychiatry (current)

- Under consideration for Director of Obesity and Addiction
- Currently assisting in creation of online anti-aging course
- Hosting American Society of Addiction Medicine Fellow

Cabrini Medical Center, Assistant Attending Physician 2004-2007
New York University Medical School, Instructor in Psychiatry 1995-1996
Helene Fuld Medical Center, Affiliate of Robert Wood Johnson University Hospital,
Consulting staff 1994-1996

CLINICAL ROTATION SUPERVISION (Preceptor to Medical and P. A. Students)

Columbia University School of Medicine
New York University School of Medicine
Rocky Vista University, College of Osteopathic Medicine
Touro College, School of Health Sciences

LICENSES

Florida #ME0067745	New York #159238	Arizona #16127
New Jersey #45071	Pennsylvania #42712	Utah #96-292-390-1205

BOARD MEMBERSHIPS AND OTHER ADVISORY ROLES

American Academy of Anti-Aging Medicine	Life Extension Scientific Advisory Board
American College for the Advancement of Medicine	National Board of Medical Examiners
American College of Nutrition	Pfizer Pharmaceuticals Neuropathic Pain Advisory Board
International Hormone Society	Quantitative EEG Board
Council of Science Editors	

STEM CELL SOCIETY MEMBERSHIPS

International Society for Stem Cell Research
Academy of Regenerative Practices
Cell Surgical Network
Cells on Ice

PAST BOARD MEMBERSHIPS AND OTHER ADVISORY ROLES

American Society of Hypertension Inc.	Mensa
Exodus Israel, Family of Comprehensive Addiction Programs	Oasis Mental Retardation Institute
Foundation for the Advancement of Innovative Medicine	Orthomolecular Health-Medicine
George H. Gallup International Institute	Schizophrenia Foundation of New Jersey
International University of Nutrition Education	Secular Organizations for Sobriety (SOS)

CURRENT PROFESSIONAL ORGANIZATIONS

American Academy of Anti-Aging Medicine	American Telemedicine Association
American Academy of Home Care Physicians	Bucks County (PA) Medical Society
American Board of Chelation Therapy	EEG and Clinical Neuroscience Society
American Board of General Practice	International Hormone Society
American College for the Advancement of Medicine	Medical Society of the State of New York
American College of Nutrition	New York County Medical Society
American Medical Association	Quantitative EEG Board
American Neuropsychiatric Association	The American Geriatrics Society
American Public Health Association	The Endocrine Society
	Pharmaceutical Consultant at EISI Corp.

American Society of Addiction Medicine
American Society of Bariatric Physicians

PAST PROFESSIONAL ORGANIZATIONS

Academy of Medicine of New Jersey	Foundation for the Advancement of
American Association for the Advancement of Science	Innovative Medicine
	International Academy of Preventive Medicine
	Somerset County (NJ) Medical Society

JOURNAL EDITORIAL AND PEER-REVIEW COMMITTEES

Editorial Board Member

Life extension foundation buyers club, Inc. (active)
Neurobiology of Aging (active)
Advances in therapy (active)
Journal of Applied Nutrition (non-active)
Journal of Brain Dysfunction (non-active)
Journal of Reward Deficiency Syndrome (active)
Total Health for Longevity (previously titled Total Health: Body, Mind & Spirit (wrote bi-monthly column) (3 years)
The Physician and Sportsmedicine (active)

Consulting Editor/Reviewer

Biological Psychiatry (active reviewer)
Biological Psychiatry (one editorial)
Journal of Neurotherapy (active)
Journal of Medicinal Plants Research (active)
American Aging Association (active)
PLOS ONE (active)
Assistant Managing Editor
ADHD Journal (2003)

HONORS AND AWARDS

Biomedical Syn. Institute- Wichita, KS.

Outstanding Student Research- \$1,000 Prize for paper titled "Biochemistry of Zinc,"	1978
Outstanding Student Research- \$1,000 Prize for paper titled "Porphyrin Metabolic Pathways,"	1979
<i>Who's Who of Outstanding Men in America</i>	1980
<i>American Medical Association</i>	1986, 1989, 1992, 1995, 1998
Physician's Recognition Award in Continuing Medical Education	
<i>New York College of Podiatric Medicine</i>	2010
Honorary Degree of Doctor of Humane Letters	
Council on Foreign Relations – nominated	2012

GOVERNMENT/COMMUNITY RELATIONS AND ADVISEMENT

American Jewish Committee

Healthy Kids Initiative

New York County Medical Society

New York Public Library, Patron

- Grievance Committee of Peer Review
- CME Committee
- Committee on Public Health
- Managed Care Task Force
- Committee on Government Affairs

New York State Task Force on Life and the Law

Energy Up!

BOOKS

Braverman ER, *What's Your Spiritual Health? Diagnosing This Critical Component of Your Total Health*. New York: Publications for Achieving Total Health (1994).

Braverman ER, *How to Lower Your Blood Pressure and Reverse Heart Disease Naturally*. New York: Publications for Achieving Total Health (1995).

Braverman ER, Taub M. *Hypertension and Nutrition*. New York: McGraw Hill (1996).

Braverman ER, *The Healing Nutrients Within: Facts, Findings and New Research on Amino Acids*. New Canaan, CT: Keats Publishing (1997).

Braverman ER, *PATH Wellness Manual*, 2nd ed., New York: Publications for Achieving Total Health (1998).

Braverman ER, *Male Sexual Fitness. Causes and Solutions for Andropause*. Lincolnwood, IL: Keats Publishing (1999).

Braverman ER, *The Healing Nutrients Within: Facts, Findings and New Research on Amino Acids. 3rd Edition*. Laguna Beach, CA: Basic Health Publications, Inc. (2003).

Braverman ER, *The Edge Effect: Achieve Total Health and Longevity with the Balanced Brain Advantage*. New York, NY: Sterling Publishing (2004).

Braverman ER, *The Amazing Way to Reverse Heart Disease Naturally*. North Bergen, NJ: Basic Health Publications, Inc. (2004).

Braverman ER, *Younger You: Unlock the Hidden Power of Your brain to Look and Feel 15 Years Younger*. New York: McGraw-Hill (2007).

Braverman ER, *Younger (Thinner) You Diet: How Understanding Your Brain Chemistry Can Help You Lose*

Weight, Reverse Aging, and Fight Disease. New York: Rodale Inc. (2009).

Braverman ER, *Younger (Sexier) You: Look and Feel 15 Years Younger by Having the Best Sex of Your Life*. New York: Rodale Inc. (2011).

Braverman ER, *Younger Brain, Sharper Mind: A 6-Step Plan for Preserving and Improving Memory and Attention at Any Age from America's Brain Doctor*, New York: Rodale, Inc. (2011).

BOOK CHAPTERS

Pfeiffer CC, Braverman ER. Folic acid and vitamin B12 therapy for the low histamine, high copper biotype of schizophrenia. In: Botz M, Reynold H, eds. *Folic Acid in Neurology, Psychiatry and Internal Medicine*. New York: Raven Press; 1979: 483-487.

Braverman ER. Behavior pathologies: Pharmacology of acute and chronic amino acid supplementation: Clinical implications. In W.B. Essman, ed., *Nutrients and Brain Function*. Basel: S. Karger AG; 1987.

Blum K, Braverman ER, et al. Neurogenetics of compulsive disease: Neuronutrients as adjuncts to recovery. In Wallace BC, ed. *The Chemically Dependent: Phases of Treatment and Recovery*. New York: Brunner/Mazel Inc.; 1992: 187-231.

Blum K, Sheridan PJ, Chen TJH, Wood RC, Braverman ER, et al. The dopamine D2 receptor gene locus in reward deficiency syndrome: Meta analyses. In: Blum K, Noble EP, eds. *Handbook of Psychiatric Genetics*. Boca Raton, FL: CRC Press; 1997: 407-434.

Blum K, Cull JG, Braverman ER, Chen TJH, Comings DE. Reward deficiency syndrome: Neurobiological genetic aspects: In Blum K, Noble EP, eds. *Handbook of Psychiatric Genetics*. Boca Raton, FL: CRC Press; 1997: 311-332.

Braverman ER. Neurological and psychological etiologies and brain revival in the general office setting. In: Goldman RM, Klatz R, eds. *Anti-Aging Medical Therapeutics: Volume 2*. 1998: 70-77.

Braverman ER. Clinical utilization of positron emission tomography (PET) scanning in the anti-aging practice. In: Goldman RM, Klatz R, eds. *Anti-Aging Medical Therapeutics: Volume 3*. 1999: 90-94.

Blum K, Fornari F, Downs BW, Waite RL, Giordano J, Smolen A, Lui Y, Tain J, Majmundr N, Braverman ER. Genetic Addiction Risk Score (GARS): Testing for Polygenetic Predisposition and Risk for Reward Deficiency Syndrome (RDS). In C. King (Ed.) *Gene Therapy Applications*: 327-362.

Blum K, Oscar-Berman M, Gardner EL, Simpatico T, Braverman ER, Gold MS. Neurogenetics & Neurobiology of Dopamine in Anhedonia. In: *Anhedonia: A Comprehensive Handbook* (vol 1). Editor: Ritsner M. Chapter 9: Springer, London, 2014, pp. 179-208.

HANDBOOKS

Blum K, Holder J (in collaboration with Cull JG, Chen THJ, Braverman ER.) *Handbook of Abusable Drugs*, Amended Edition, Mattituck, NY: Amereon Press (1997).

Braverman ER, Watt TJ, Bajaj A. *Cognitive disease & impairments: Diagnostics, prevention, and therapeutic interventions. Health Practitioner's Guide to Anti-Aging & Regenerative Medicine* 1st Edition. American Academy of Anti-Aging Medicine (2009).

PEER-REVIEWED PUBLICATIONS

1. Braverman ER. Orthomolecular medicine and megavitamin therapy: Future and philosophy. *The American Journal of Orthopsychiatry*. 1979; 3(4): 265-272.
2. Braverman ER, Pfeiffer CC. Essential trace element and cancer. *The American Journal of Orthomolecular Psychiatry*. 1982; 11(1): 28-40.
3. Pfeiffer CC, Braverman ER. Zinc, The brain and behavior. *Biological Psychiatry*. 1982; 17(4): 513-534.
4. Braverman ER, Pfeiffer CC. Suicide and biochemistry. *Biological Psychiatry*. 1985; 20(2): 123-124.
5. Braverman ER, Lamola S, Pfeiffer CC. Pharmacology of chronic supplementation of amino acids. *Journal of Clinical Pharmacology*. 1985; 25: 455-474.
6. Braverman ER, Lamola S. Acute and chronic supplementation of amino acids. *Journal of Orthomolecular Medicine*. 1986, 50-56.
7. Braverman ER. T-cell ratios: Modulation by nutrition. *Journal of Orthomolecular Medicine*. 1987; 2(1): 46-49.
8. Braverman ER, Iovovich B. Nutrient profile of hypothermic. *Journal of Orthomolecular Medicine*. 1987; 2(3): 191-193.
9. Braverman ER, Weissberg E. Elevated IgE levels in patients with low whole blood histamine. *Journal of Orthomolecular Medicine*. 1987; 2(4) 219-220.
10. Braverman ER, Weissberg E. Fish oil as one therapy in cardiovascular risk factor reduction. *Journal of Orthomolecular Medicine*. 1988; 3(1): 6-10.
11. Braverman ER, Rayner H. Plasma fatty acids in HTN patients before and after EPA supplements. *Journal of the American Society of Hypertension*. 1988.
12. Braverman ER. Medical history and the holistic perspective. *Journal of Orthomolecular Medicine*. 1988; 3(4) 191-196.
13. Braverman ER, Sohler A, Pfeiffer CC. Cesium chloride: Preventive medicine for radioactive cesium exposure. *Medical Hypothesis*. 1988; 26:93-95.
14. Braverman ER. Memories of Carl C. Pfeiffer, MD, PhD, physician, scientist, teacher, and philanthropist. *Journal of Orthomolecular Medicine*. 1989; 4(1): 5-7.
15. Shafer R, Braverman ER. Q fever endocarditis: Delay in diagnosis due to an apparent clinical response to corticosteroids. *American Journal of Medicine*. 1989; 86: 729.
16. Braverman ER. Phenylketonuria in an 8-year-old hyperactive child. *Pediatrics*. 1989; 2:217-218.
17. Braverman ER. Remission of forty years of headaches with Divalproex Sodium. *Brain*

- Dysfunction*. 1989; 2:55.
18. Braverman ER, Smith R, Smayda R, Blum K. Modification of P300 amplitude and other electrophysiological parameters of drug abuse by cranial electrical stimulation. *Current Therapeutic Research*. 1990; 48:586-596.
 19. Braverman ER, Blum K, Smayda R. A commentary on brain mapping in 60 substance abusers: Can the potential for drug abuse be predicted and prevented by treatment? *Current Therapeutic Research*. 1990; 48:569-585.
 20. Braverman ER. Brain mapping: A short guide to interpretation, philosophy and future. *Journal of Orthomolecular Medicine*. 1990; 5:1-12.
 21. Braverman ER. Brain electrical activity mapping in treatment resistant schizophrenics. *Journal of Orthomolecular Medicine*. 1990; 5:46-48.
 22. Braverman ER. Fish oil lowers fibrinogen. *Journal of Applied Nutrition*. 1990; 42.
 23. Rayner H, Lovelle S, Braverman ER. Nutrition and wound healing. *Journal of Orthomolecular Medicine*. 1991; 31-43.
 24. Braverman ER. Olfactory hallucinations remit with Alprazolam: Usefulness of brain mapping in diagnosis. *Journal of Orthomolecular Medicine*. 1991; 6:110-111.
 25. Braverman ER. Reversal of pre-leukemia with antioxidants. *Journal of Nutritional Medicine*. 1991; 313-315.
 26. Braverman ER. Swartz, K. Cranial electrotherapy stimulation. *Townsend Letter for Doctors*. 1991; 101: 1045.
 27. Braverman ER. Sports and exercise: Nutritional augmentation and health benefits. *Journal of Orthomolecular Medicine*. 1991; 6:191-201.
 28. Braverman ER, Smayda, RJ. Chronic lead poisoning as a cause of bulimia: Hair analysis and brain electrical activity mapping (BEAM) as diagnostic aid. *Journal of Orthomolecular Medicine*. 1992; 7:53-55.
 29. Braverman ER, Swartz K, Blum K, Moss R. Electrotherapy for addictions. *Addiction and Recovery*. 1992; 34-36.
 30. Braverman ER, Weissberg E. Nutritional treatments for hypertension. *Journal of Orthomolecular Medicine*. 1992; 7: 221-244.
 31. Braverman ER. Brain electrical activity mapping (BEAM) in patients who commit violent crimes: Are bitemporal abnormalities a characteristic? *Journal of Orthomolecular Medicine*. 1993; 8: 154-156.
 32. Blum K, Braverman ER, Dinardo M, Wood R, Sheridan P. Prolonged P300 latency in a neuropsychiatric population with the D2 dopamine receptor A1 allele. *Pharmacogenetics*. 1994; 4: 313-322.
 33. Blum K, Sheridan P, Wood R, Braverman ER, et al. Dopamine D2 receptor gene variants association and linkage studies in impulsive-addictive-compulsive behavior. *Pharmacogenetics*. 1995; 5: 122.
 34. Blum K, Wood RC, Braverman ER, Chen TJH, Sheridan PJ. The D2 dopamine receptor gene as a predictor of compulsive disease: Baye's theorem. *Functional Neurology*. 1995; 10(1): 37-44.
 35. Blum K, Braverman ER, Wood RC, Sheridan PJ. Increased prevalence of the Taq 1 A1 allele of the dopamine D2 receptor gene in obesity with comorbid polysubstance abuse. *Pharmacogenetics*. 1995; 6: 297-305.

36. Blum K, Sheridan PJ, Wood RC, Braverman ER, et al. Dopamine D2 receptor gene variants: association and linkage studies in impulsive-addictive-compulsive behavior. *Pharmacogenetics*. 1995; 5:121-141.
37. Blum, K, Sheridan, PJ, Wood, R, Braverman, ER. Dopamine D2 receptor gene polymorphisms in Scandinavian chronic alcoholics: A reappraisal. *Eur. Arch. Psychiatry Clin. Neuroscience*. 1995; 244: 50-52.
38. Blum K, Sheridan P, Wood RC, Braverman ER, Chen TJH, Comings DE. Dopamine D2 receptor gene variants: association and linkage studies in impulsive-addictive-compulsive behavior. *Pharmacogenetics and Genomics*. 1995; 5: 121-141.
39. Braverman ER, Cumings E, Cull G, Blum K. Reward Deficiency Syndrome. *American Scientist*, 1996; 84: 132-145.
40. Blum K, Sheridan PJ, Braverman ER, et al. The D2 dopamine receptor gene as a determinant of reward deficiency syndrome. *Journal of the Royal Society of Medicine*. 1996; 89(7): 396-400.
41. Braverman ER, Blum K. Substance use disorder exacerbates brain electrophysiological abnormalities in a psychiatrically-ill population. *Clinical Electroencephalography*. 1996; 27(S4): 5-27.
42. Braverman E, Blum K. Comorbid psychiatric disorders in a holistic health clinic. *Society of Medicine*. 1996; 89.
43. Blum K, Sheridan PJ, Wood RC, Braverman ER, et al. The D2 dopamine receptor gene as a predictor of impulsive-addictive-compulsive behavior: Bayes' theorem. *Journal of the Royal Society of Medicine*. 1996; 89: 396-400.
44. Blum K, Braverman ER, Cull JG, et al. Polymorphism of the dopamine D2 receptor gene associates with brain electrophysiological abnormalities in humans: Exacerbation with substance use disorder. *Clinical Electroencephalography*. 1996.
45. Braverman ER, Blum, K. Substance use disorder exacerbates brain electrophysiological abnormalities in a psychiatrically-ill population. *Clinical Electroencephalography*. 1996; 27(4): 5-28.
46. Blum K, Braverman ER, Wu S, et al. Association of polymorphisms of dopamine D2 receptor (DRD2) and dopamine transporter (DAT1) genes with schizoid/avoidant behaviors (SAB). *Molecular Psychiatry*. 1997; 2: 239-246.
47. Blum K, Cull JG, Chen TJH, Garcia-Swan Susan, Holder JM, Wood R, Braverman ER, et al. Clinical evidence for effectiveness of Phencol in maintaining weight loss in an open label controlled 2 year study. *Current Therapeutic Research*. 1997; 58(10): 745-763.
48. DeFrance, JF, Hymek, C, Trachtenberg, MC, Ginsberg, LD, Schweitzer, FC, Estes, S, Chen, TJ, Braverman, ER, et al. Enhancement of attention processing by Kantroll in healthy humans: A pilot study. *Clinical Electroencephalography*. 1997; 28(2):68-75.
49. Blum, K, Kaats, G, Eisenberg, A, Sherman, M, Davis, K, Comings, D, Cull, J, Chen, THJ, Wood, R, Bucci, L, Wise, J, Braverman ER. Chromium picolinate induces changes in body composition as a function of the Taq1 Dopamine D2 Receptor A2 Alleles. *Journal of American College of Nutrition*. 1998.
50. Braverman ER, Querijero M. Brain aging and diagnostic testing. *International Journal of Anti-Aging Medicine*. 2000.
51. Blum K, Braverman E, Holder J, et al. Reward deficiency syndrome: A biogenetic model for the diagnosis and treatment of impulsive, addictive and compulsive behaviors. *Journal of Psychoactive*

- Drugs. 2000; 32(Suppl: i-iv): 1-112.
52. Blum K, Braverman ER. Reward Deficiency Syndrome: An emerging concept. *Molecular Psychiatry*. 2001; 6(Suppl1): S3.
 53. Braverman ER, Blum K, Lubar JF, Lubar JO, Comings E. Genetic dopaminergic deficits: Clinical correlates to schizoid/avoidant personality, ADHD probands, pathological violence, P300 event related potential and TOVA attention test. *Molecular Psychiatry*. 2001; 6(Suppl1): S5.
 54. Braverman ER, Smith D. A medical model for "Reward Deficiency Syndrome": clinical significance of genetic dopamine deficiencies. *Molecular Psychiatry*. 2001; 6(Suppl. 1): S6-S8.
 55. Braverman ER, Blum K. P300 and Wechsler memory scores on an aging large population of patients. *Clinical Electroencephalography*. September 11, 2002.
 56. Blum K, Braverman ER. Reward deficiency syndrome: A biogenetic model for the treatment of impulsive, addictive, and compulsive behaviors. *Journal of Psychoactive Drugs*. 2001; 32:1-12.
 57. Blum K, Braverman ER. Reward deficiency syndrome: An emerging concept. *Molecular Psychiatry*. 2001; 6:S3.
 58. Blum K, Chen TJH, Blum SH, Downs BW, Braverman ER, Foster JF, Meshkin B. Nutrigenomics and pharamcogenomics: a scientific wonderland. *Social Science Information*. 2006; 45(1):35-52.
 59. Blum K, Chen TJH, Blum SH, Comings DE, Mengucci JF, Meshkin B, Downs BW, Braverman ER. Reward Deficiency Syndrome (RDS): Neurogenetic aspects of aging and related behavioral disorders specific to dopaminergic pathways. *Anti-Aging Therapeutics*. 2006; 8: 9-26.
 60. Holder, JM, Duncan, RC, Gissen, M, Miller, M, Braverman, ER, Blum, K. Increasing retention rates among the chemically dependent in residential treatment: Auriculotherapy and sublaxation-based chiropractic care. *Molecular Psychiatry*. 2001; 6(S8).
 61. Braverman E, Blum K. P300 (Latency) event related potential: An accurate predictor of memory impairment. *Clinical Electroencephalography*. 2003; 34(3).
 62. Braverman E, Blum K, Stanford M. From brain science to brain based medicine. *Medical Hypotheses*. 2004; 63(5): 919-920.
 63. Chen, TJH, Blum, K, Payte, JT, Schoolfield, J, Hopper, D, Stanford, M, Braverman, ER. Narcotic antagonists in drug dependence: Pilot study showing enhancement of compliance with amino acid and enkephalinase inhibition therapy. *Medical Hypotheses*. 2004: (63)3: 538-548.
 64. Chen JHT, Blum K, Mathews D, Fisher L, Schnautz N, Braverman ER, et al. Are dopaminergic genes involved in a predisposition to pathological aggression? Hypothesizing the importance of "super normal controls" in psychiatric genetic research of complex behavioral disorders. *Medical Hypotheses*. 2005; 65(4): 703-707.
 65. Braverman ER, Rayannavar A, Makhija N, et al. Delayed P300 latency correlates with abnormal test of variables of attention (TOVA) in adults and predicts early cognitive decline in a clinical setting. *Advances in Therapy*. 2006; 23(4): 65.
 66. Blum K, Chen T, Meshkin B, Downs WB, Gorden C, Blum S, Braverman ER, et al. Reward deficiency syndrome in obesity: A preliminary cross-sectional trial with a genotrim variant. *Advances in Therapy*. 2006; 23 (6): 1040-1051.
 67. Blum K, Chen TJH, Blum SH, Comings DE, Mengucci JF, Meshkin B, Downs BW, Braverman ER. Reward deficiency syndrome (RDS): Neurogenetic aspects of aging and related behavioral disorders specific to dopaminergic pathways. *Anti-Aging Therapeutics*. 2006; 8: 9-26.

68. Blum K, Chen, TJ, Meshkin B, Downs WB, Gordon, CA, Blum S, Mengucci JF, Braverman ER, et al. Genotrim a DNA-customized nutrigenomic product, targets genetic factors of obesity: Hypothesizing a dopamine-glucose correlation demonstrating reward deficiency syndrome (RDS). *Medical Hypotheses*. 2006; 68(4): 844-852.
69. Chen T, Blum K, Waite R, Meshkin B, Schoolfield J, Downs WB, Braverman ER, et al. Reward deficiency syndrome (RDS) and substance use disorder (S.U.D.): The gene narcotic attenuation program (GNAP) including haveos** (synaptamine) attenuates addictive related behaviors. *Advances in Therapy*. 2007; 24(2): 402-414.
70. Braverman ER, Chen TJH, Sonntag W, et al. Low human plasma levels of sex hormones and human growth factors(s) correlate to cognitive decline marked by prolonged P300 latency as a function of gender in a clinical setting: A paradigm shift. *Journal of the American Aging Association*. 2007.
71. Blum K, Chen T, Meshkin B, Waite R., Dinublie N, Smith T, Callahan M, Prihoda T, Schoolfield J, Downs W, Arcuri V, Braverman ER, et al. Reward gene polymorphisms may predict high rates of injury and addiction in the workforce: A theoretical review. *International Journal of Law & Psychiatry*.
72. Chen T, Blum K, Kaats G, Braverman ER, et al. Chromium Picolinate (CrP) a putative anti-obesity nutrient induces changes in body composition as a function of the Taq1 dopamine D2 receptor polymorphisms in a randomized double-blind placebo controlled study. *Gene Therapy and Molecular Biology*. 2007; 11: 161-170.
73. Blum K, Chen TJH, Meskin B, Downs BW, Waite RL, Braverman ER, et al. Pharmacogenomic & nutrigenomic aspects of neurobesigenics, a genetic pleiotropic clinical subtype of Reward Deficiency Syndrome (RDS). *Current Pharmacogenomics*.
74. Blum K, Chen TJH, Meshkin B, Waite RL, Downs BW, Blum SH, Mengucci JF, Arcuri V, Braverman ER, et al. Manipulation of Catechol-O Methyl Transferase (COMT) activity to influence the attenuation of substance seeking behavior, a subtype of Reward Deficiency Syndrome (RDS), is dependent upon gene polymorphisms: A hypothesis. *Medical Hypotheses*. 2007; 69(5): 1054-60.
75. Blum K, Chen TJH, Downs BW, Meshkin B, Blum SH, Martinez Pons M, Mengucci JF, Waite RL, Arcuri V, Varshafski M, Braverman ER. Synaptamine (SG8839) an amino-acid enkephalinase inhibition nutraceutical improves recovery of alcoholics, a subtype of Reward Deficiency Syndrome (RDS). *Trends in Applied Sciences Research*. 2007; 2(2): 132-138.
76. Blum K, Chen TJH, Meshkin B, Blum SH, Mengucci JF, Waite RL, Arcuri V, Braverman ER. The PPARgamma Pro12Ala allele polymorphism of the Peroxisome Proliferator-Activated Receptor (gamma) Gene (PPARG2) is a risk factor with a self-identified obese Dutch Population. *Gene Therapy & Molecular Biology*. 2007; 11(1); 37-42.
77. Chen TJH, Blum K, Mathews D, Fisher L, Schnautz N, Braverman ER, et al. Preliminary association of both the Dopamine D2 Receptor (DRD2) [Taq1 A1 Allele] and the Dopamine Transporter (DAT1) [480 bp Allele] genes with pathological aggressive behavior, a clinical subtype of Reward Deficiency Syndrome (RDS) in adolescents. *Gene Therapy and Molecular Biology*. 2007; 11(1): 93-112.
78. Chen TJH, Blum K, Kaats G, Braverman ER, et al. Reviewing the role of putative candidate genes in "Neurobesigenics," a clinical subtype of Reward Deficiency Syndrome

- (RDS). *Gene Therapy and Molecular Biology*. 2007; 11(1): 61-74.
79. Braverman ER, Chen T, Prihoda T, et al. Plasma growth hormones, P300 event-related potential and test of variables of attention (T.O.V.A) are important neuroendocrinological predictors of early cognitive decline in clinical setting: Evidence supported by structural equation modeling parameter estimates. *Age*. 2007; 29(2-3): 55-67.
 80. Blum, K, Chen, AL, Chen, TJ, Prihoda, TJ, Schoolfield, J, DiNubile, N, Waite, RL, Arcuri, V, Kerner, M, Braverman, ER, et al. The H-Wave Device is an effective and safe non-pharmacological analgesic for chronic pain: A meta-analysis. *Advances in Therapy*. 2008; 25(7): 644-57.
 81. Chen AL, Chen TJ, Braverman ER, et al. Hypothesizing that marijuana smokers are at a significantly lower risk of carcinogenicity relative to tobacco-non-marijuana smokers: Evidenced based on statistical reevaluation of current literature. *Journal of Psychoactive Drugs*. 2008; 40(3): 263-72.
 82. Blum K, Chen AL., Chen TJ, Rhoades P, Prihoda TJ, Downs BW, Waite RL, Williams L, Braverman ER, et al. LG839: Anti-obesity effects and polymorphic gene correlates of Reward Deficiency Syndrome. *Advances in Therapy*. 25 (9): 894-913, 2008.
 83. Blum K, Chen TJH, Williams L, Chen ALC, Downs WB, Waite RL, Huntington T, Sims S, Prihoda T, Rhoads P, Reinking J, Braverman D, Kerner M, Blum SH, Quirk B, Braverman ER. A short term pilot open label study to evaluate efficacy and safety of LG839, a customized DNA directed nutraceutical in obesity: Exploring Nutrigenomics. *Gene Therapy and Molecular Biology*. 2008; 12: 371-382.
 84. Blum K, Chen ALC, Chen TJH, Rhoades P, Prihoda TJ, Downs BW, Bagchi D, Bagchi M, Blum SH, Williams L, Braverman ER, et al. Dopamine D2 Receptor Taq A1 allele predicts treatment compliance of LG839 in a subset analysis of pilot study in the Netherlands. *Gene Therapy and Molecular Biology*. 2008; 12: 129-140.
 85. Chen ALC, Blum K, Chen TJH, Reinking J, Waite RL, Downs BW, Braverman ER, et al. The impact of biomics technology and DNA directed anti-obesity targeting of the brain reward circuitry. *Gene Therapy and Molecular Biology*. 2008; 12: 45-68.
 86. Meshkin B, Chen TJH, Chen ALC, Prihoda TJH, Morrisette H, Braverman ER, et al. Health economics of nutrigenomics in weight management. *Gene Therapy and Molecular Biology*. 2008; 12: 25-30.
 87. Blum K, Ho CK, Chen ALC, Fulton M, Fulton B, Westcott WL, Reinl G, Braverman ER, et al. Electrotherapeutic devices in sports injuries. *The Physician and Sportsmedicine*. 2008.
 88. Blum K, Ho CK, Chen LC, Fulton M, Fulton B, Westcott WL, Reinl, G, Braverman ER, et al. The H-Wave Device induces NOdependent augmented microcirculation and providing both analgesia and tissue healing in sports injuries. *The Physician and Sportsmedicine*. 2008; 36(1): 103-114.
 89. Blum K, Downs WB, Chen ALC, Chen TJH, Waite RL, Braverman ER, et al. A trieste on nutrigenomic targeting of overall wellness and carbohydrate craving behavior. The Genetic Positioning System (GPS) Map. *PLOS Medicine*. 2008.
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 22. Braverman ER, Blum K. P300 (Latency) event-related potential: An accurate predictor of memory impairment: Hormonal correlates. *Alzheimer's & Dementia*. 2005; 1(S1): S15.
 23. Braverman ER, Blum K. P300 (Latency) event-related potential: An accurate predictor of memory impairment: Hormonal correlates. Presented at: Alzheimer's Conference on Prevention of Dementia; June 2005; Washington, DC.
 24. Blum K, Braverman ER, Stice E, et al. Dopamine resistance" in brain reward circuitry as a function of DRD2 gene polymorphisms in Reward Deficiency Syndrome (RDS): Synaptamine complex variant induced "Dopamine Sensitivity" and enhancement of happiness. Presented at: Psychiatric Genetic Meetings; May 2009.
 25. Braverman ER, Blum K, Kerner M, et al. Low and normal IGF-1 levels in patients with Chronic Medical Disorders (CMD) is independent of anterior pituitary deficiencies of LH, FSH and TSH: Implications for treating CMD using IGF-1 as a diagnostic marker. Poster Presented at: ENDO 2009, The Endocrine Society's 91st Annual Meeting; June 2009.
 26. Blum K, Stice E, Liu Y, Giordano J, Hon MAC, Morse S, Downs BW, Waite RL, Madigan M, Braverman ER, et al. Dopamine resistance in brain reward circuitry as a function of reward gene polymorphisms in Reward Deficiency Syndrome (RDS): Synaptamine complex variant [KB220]-induced dopamine sensitivity and enhancement of happiness utilizing qEEG. Presented at: XVII World Congress of Psychiatric Genetics; November 2009; San Diego, CA.
 27. Braverman ER. DEXA more accurately predicts obesity compared to BMI utilizing American Bariatric Society Criteria for obesity in 1,234 adults in a primary care out-patient facility. *American Association of Clinical Endocrinologists*; April 2010; Boston, MA.
 28. Blum K, Stice E, Liu Y, Giordano J, Morse S, Downs BW, Waite RL, Madigan M, Braverman ER, et al. "Dopamine Resistance" in brain circuitry as a function of reward gene polymorphisms in Reward Deficiency Syndrome (RDS): Synaptamine complex variant [KB220 and KB220Z] induced "Dopamine Sensitivity" and anti-craving behavior. Abstract presented at: *Addictions Conference (Elsevier)*; October 28-30, 2010; Washington, D.C.
 29. Braverman ER. DEXA more accurately predicts obesity compared to BMI utilizing American Bariatric Society Criteria for obesity in 1,234 adults in a primary care out-patient facility. *American College of Nutrition*; 2010.
 30. Blum K, Stice E, Liu Y, Giordano J, Hon MAC, Morse S, Downs BW, Waite RL, Madigan M, Braverman ER, et al. Dopamine resistance in brain reward circuitry as a function of reward gene polymorphisms in Reward Deficiency Syndrome (RDS): Synaptamine complex variant [KB220]-

induced “Dopamine Sensitivity” and enhancement of happiness. Presented at the *XIX World Congress of Psychiatric Genetics*, September 10-14, 2011, Washington, D.C.

31. Blum K, Braverman ER, Perrine K, et al. Genetic Addiction Risk Score (GARS) analysis provides diagnostic and therapeutic targets for “dopamine resistance” in Reward Deficiency Syndrome (RDS): Positron Emission Tomography (PET), Quantitative Electroencephalographic (qEEG) and Functional Magnetic Resonance Imaging (fMRI) techniques reveals nutrigenetic resolution by induction of “Dopamine Sensitivity” in brain reward circuitry. Presented at the *XIX World Congress of Psychiatric Genetics*, September 10-14, 2011, Washington, D.C.
32. Blum K, Liu Y, Rothstein L, Han D, Giordano J, Downs BW, Hausere M, Tian J, Oscar-Berman M, Smolen A, Reisfield GM, Simpatico T, Villapiano A, Braverman ER, Gold M. A role in pain clinics for medication monitoring, genetic addiction risk assessment and KB220Z activation of dopaminergic reward circuitry. 11th Annual Pain Society Meeting.

INVITED PRESENTATIONS, COMMENTARY AND LECTURES

1. Braverman ER. Porphyrin metabolic pathways and their various applications to an understanding of some common human disorders. *Proc. 2nd. Int'l Conf. on Hum. Funct*, Biocom. Press: Wichita, 1978.
2. Braverman ER. Biochemistry of zinc. *Proc. 3rd Int'l Conf. on Hum. Funct*. Biocom. Press: Wichita, 1979.
3. Braverman ER. Amino acids and ketogenic diet," *Proceedings of 2nd International Conference on Diet and Obesity*, Sept. 17, 1986, Israel.
4. Braverman ER, Weissberg E. Reduction in plasma tyrosine associated with improvement of psychosis. *6th International Catecholamine Symposium*, June 14, 1987.
5. Blum K, Sheridan PJ, Wood R, Braverman ER. Utilization of Bayes' theorem to estimate the predictive value of the A1 allele of the D2 dopamine receptor gene in compulsive disease." Presented at 17th Annual Meeting of *European Neuroscience Association*, September 1994, Vienna, Austria.
6. Blum K, Braverman ER, Wood RC, et al. The D2 dopamine receptor gene as a predictors of "Reward Deficiency Syndrome" (RDS). Presented at: *University of Pavia Seminar Series. 1995*. Pavia, Italy.
7. Blum K, Braverman ER, Cull J, et al. Brain electrophysiological abnormalities as a function of the dopamine D2 receptor A1 allele and comorbid substance use disorder. Presented at: 1996 Annual Meeting of American's Mental Health; May, 1996.
8. Braverman ER. The comprehensive office based health check-up. Presented at: American Academy of Anti-Aging Medicine, *7th International Conference. December 1999*.
9. Braverman ER. Human growth hormone replacement therapy: A case gallery of sustained serum levels with injectable supplementation. Poster Presented at: American Academy of Anti-Aging Medicine, *9th International Conference, December 2001*.
10. Braverman ER. Body fat analysis by DEXA scan: A case review. Poster Presented at: American Academy of Anti-Aging Medicine, *9th International Conference, December 2001*.
11. Braverman ER, Blum K. Adult growth hormone deficiency: A higher compliance delivery system. Poster Presented at: American Academy of Anti-Aging Medicine, *10th International Conference*,

December 2002.

12. Blum K, Meshkin B, Prihoda, TJ, Downs BW, Waite RL, Braverman ER, et al. DNA-customized genotrim induces significant reduction in weight, appetite, and sugar cravings in D.I.E.T. study: Polymorphic correlates involving five candidate genes in obesity, a clinical subtype of Reward Deficiency Syndrome (RDS). Poster Presented at: Natural Products Association Scientific Session. (Bronze Medal Winner); July 2007; Las Vegas, NV.
13. Blum K, Williams L, Waite RL, Huntington T, White L, Prihoda T, Braverman ER. First report of Genotrim® to significantly reduce Body Mass Index (BMI) as a function of five candidate (DrD2, MTHFR, 5-HT2a, PPAR-Gamma-2, OB) gene polymorphisms. American Dietetic Association Meeting; 2008.
14. Braverman ER, Martinez-Pons M, Arcuri V, Meshkin B, Blum K. Prolonged P300 latency is associated with increased parathyroid hormone plasma levels: Subclinical hyperparathyroidism may be antecedent to osteoporosis and dementia. *Presentation*. 2009
15. Braverman ER, Cognitive decline of aging: Important neuroendocrinological predictors of early cognitive decline in a clinical setting. *Lecture*. 2009.
16. Braverman ER. Aging and the Pituitary Gland. *The Pituitary Gland in Health and Disease*. Weill Cornell Medical School. 2013. New York.
17. Braverman ER. The Aftermath of Fukushima: I-131 Exposure and Risks. Today is the Day Benefit Gala. 2013. New York.

LETTERS & REVIEWS

1. Braverman ER. It's so nice to have a man around. *Society for Science & the Public, Science News*, Vol 116 No. 12 (Sep 22. 1979)
2. Braverman ER. Case histories in psychoneuroimmunology. *Psychosomatics, Review*, 1989.
3. Braverman ER. Carl C. Pfeiffer, Ph. D., M. D.: A life of scientific exploration and conquest. *Canadian Schizophrenia Foundation*, review, 1989.
4. Braverman ER. Brain mapping. *Townsend Letter for Doctors* 1991, pp. 254-255.
5. Braverman ER. Addiction: The most critical dimension of nutrition and preventive medicine. *Townsend Letter for Doctors*, 1992.
6. Braverman ER. Brain mapping and electro stimulation: Summary of a presentation. *New York City Health Newsletter*, April 1992.
7. Braverman ER. Electromagnetic pollution: Is there an electromagnetic antidote? *Townsend Letter for Doctors*, August/September 1992; 710-712.
8. Braverman ER, Smith R. CES efficacy evaluation. *Townsend Letter for Doctors*, April 1993; 324-325.
9. Braverman ER. There is hope for depression: Try these holistic alternatives. *Doctor's Forum, Health News and Review*, 1993; 3(4): 12.
10. Reuben C, Chen TJH, Blum SH, Braverman ER, et al. Acupuncture & Auriculartherapy: Valuable natural treatment modalities for treatment for addiction. *Townsend Letters* 269:81-84.
11. Braverman ER, Baker RJ, Loeffke B, Ferrer-Gonzalez G. Combating Radiation Exposure before Disaster Strikes. *Townsend Letter*. 2012. 352: 81-89.

MAGAZINES, NON-ACADEMIC ARTICLES AND CITATIONS

(selected)

Science News

Sperm Fusion. 1979

Science Stats: Fatter than you thought 2012

Health and Nutrition

Psychoneuroimmunology. 1991

Life Extension Magazine

“Eric Braverman, MD: An Innovator of Brain and Body Medicine by Maria Rabat. November 2003.

“Natural Prescriptions for Parkinson’s Disease” by Bruce Scali. June 2004.

“Life Extension for The Brain” by Brice Scali. March 2004.

“Nutrients for Treating Obsessive-Compulsive Disorder” September 2004.

“Hormone Replacement Therapy”; October 2004.

“Discusses Epidemic of Silent Disease” August 2009

“Stop Silent Disease Before they Strike” 2010

“Obesity Epidemic in America Found Significantly Worse Than Previously Believe” In the News, 2012

“Life Extension Funded Study Shows Obesity Epidemic Much Worse Than What Doctors Claim” 2012

Explore!

Cognitive impairment begins at 30: How to avoid dementia. 2010

FSH and LH elevations are associated with dementia. 2010

Mild head trauma: A method for detection in primary care and its critical importance. 2010

Collier’s

The Addiction Gene: Why millions are inherently at risk? 2012

People Magazine

“Celeb Diet Secrets,” June 7, 2004

Smart Money Magazine

“Finding Your Fountain of Youth,” May 11, 2005

US Weekly

Dr. Braverman comments on photographs of Lindsay Lohan and Nicole Richie and their dramatic weight loss, May 18, 2005

Vogue

“The Science of Looking Good,” January 2007

New Yorker

“Precision-Tune Your Hypochondria,” January 22-29 2007

Elle

“One Will Make You Smaller,” February 2007

Men’s Vogue

“Liver Worst,” September 2007

Townsend Letter

“Combating Radiation Before Disaster Strikes” November 2012

TELEVISION APPEARANCES *(selected)*

ABC/ABC Fam

Eyewitness News (12/12/2001, 02/11/2002, 7/10/2002)

ABC News Now (2008)

WPIX

News at 10 (7/10/2002)

Tyra Banks Show (10/24/2007)

PBS

700 Club (2007)

BBC World News
Nightly News (4/4/2012)

CBS
WCBS-TV (11/2/2001, 11/6/2001)
Channel 2 News, Live at Five (7/10/2002)

NBC/CNBC/MSNBC
The Today's Show (2007)
MSNBC-TV Live (7/10/2002, 7/20/2002)
Scarborough Report(interviewed about drugs) (5/9/2005)
Nightly News with Brian Williams (4/2/2012)

FOX/FOX News Channel
Good Day New York (9/27/2001, 11/5/2001, 1/31/2002)
The O'Reilly Factor (2/28/2002, 6/14/2004)
Fox News Channel (6/19/2004)
The Big Show with John Gibson (5/19/2005)
Your World with Neil Cavuto, (discussed Atkins diet) (8/1/2005)

UPN
UPN 9 News – (discussed Atkins Diet) (8/1/2005)

Get Healthy Now with Gary Null (1999)

CNN
Dazzle Unlimited (7/1998)
Larry King Live (2/16/2000)
Talk Back Live (3/5/2002)
CNN News (Interviewed about Ephedra) (5/19/2005)
Wolf Blitzer Reports (discussed Atkins Diet), August 1, 2005

NY1
Call in Show (11/8/2001, 11/27/2001, 11/30/2001, 12/5/2001, 12/6/2001,12/10/2001, 12/11/2001, 12/12/2001)

Other Television Shows
Bermuda National Television (2/1998, 5/1998)
Bay TV News (San Francisco, CA) (11/13/2000)
News 12 New Jersey (11/22/2001)
CN8-TV- Real Life with Mary Amoroso (8/11/2004, 8/12/2004)
TBN-Regular Host (1995-1997)

RADIO SHOW APPEARANCES *(selected)*

Weekly Radio Show

WABC- NY, NY Sundays 2pm-4pm 1986-1987, Total Health
77WABC Sundays 12pm-1pm, Present
WOR-NY, NY Every Sunday 8pm-9pm 1988-1996, May 2003-2012
WEVD,AM-NY, NY Sundays 9pm-10pm 1997- 2002
WNEW,FM- NY, NY Sundays 9pm-10pm 2002- 2003
WWRL,AM- NY, NY Mondays 2pm-3pm and Tuesdays 11am-11:30am 2003- Present

Guest Radio Appearances

KFNX, Phoenix, AZ	KTRC- Sante Fe, NM	KCRS, Odessa, TX
Thinking Outside the Box 7/04	Mysteries of the Mind 5/03	The Morning Show 6/04
9KNOT, Prescott, AZ	WOR-AM- NY, NY	KFIZ, Milwaukee, WI
Health Talk 4/03	Carlton Fredericks Show	Backstage Live 7/04
KNST, Tucson, AZ	ADD Action Group 11/01	<u>Internet/ Satellite Radio</u>
An Ounce of Prevention with	WCBS-AM- NY, NY 10/01	America's Health Network

Dr. Dan 7/04
KSWB, SanDiego, CA
Someone You Should Know
3/03
WGUN, Atlanta, GA
Temple of Health
WOKA, Douglas, GA
The Book Club Radio Show
5/03
Stan Taylor Show
KBUR, Burlington, IA
The Rod Cary Show 7/04
WROK, Rockford, IL
The Riley O'Neal Show 4/03
Langer Broadcasting, Boston,
MA,
Science and Technology 4/03
WBIX, Quincy, MA
The Frankie Boyer Show 6/04

The Osgood File 11/01
WCBS-FM- NY, NY
Steve O'Brien Show 6/04
Stan Taylor Show 6/04
WMCA- NY, NY
Pat McCann Show
WBBR- NY, NY9/01,10/01,
WVXU, Cincinnati, OH
On Your Feet For Life 8/04
WDVT- Philadelphia, PA
WIP- Philadelphia, PA
Healthline
WPTT- Pittsburg, PA
The Jerry Bowyer Show 8/04
WZYX, Cowan, TN
Sound Off 4/03

Ask the Family Doctor,
12/98
Associate Press Radio
Ephedra 4/05
Cable Radio Network
Coast to Coast Live 8/04
Healthylife.net,
Lights on with Nancy Lee 8/04
Internet Radio
Coping with Caregiving 3/03
Sirius Radio Network, CA,
OR
Healthy Family6/04
Voice America.com, Topanga
CA
Waking Up in America 4/03