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Citizenship: U.S. Citizen

EDUCATION:

B.S. 9/1969- 5/1973 Dickinson College (cum laude)
M.D. 9/1973-6/1977 Jefferson Medical College
Ph.D. 7/1977- 6/1979 Thomas Jefferson University (Pharmacology)

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS

7/77 - 6/80 Resident in Psychiatry, Department of Psychiatry and Human Behavior, Thomas Jefferson University (TJU), Philadelphia, Pennsylvania 19107
7/80 - 6/82 Clinical Associate, Biological Psychiatry Branch, National Institute of Mental Health, Bethesda, Maryland 20205

MILITARY SERVICE

7/80-9/90 United States Public Health Service, Bethesda, MD.

FACULTY APPOINTMENTS

7/82 - 9/90 Senior Surgeon, Clinical Neurogenetics Branch, National Institute of Mental Health, Bethesda, MD 20205
9/82 - 9/90 Adjunct Assistant Professor of Psychiatry and Human Behavior and Pharmacology, TJU, Phila., PA
9/90 - 6/97 Professor, Departments of Psychiatry and Human Behavior and Pharmacology, TJU, Phila., PA
6/97 - Director, Center for Neurobiology and Behavior, University of Pennsylvania, Philadelphia, PA
6/97 - Professor, Departments of Psychiatry and Genetics, University of Pennsylvania

HOSPITAL AND ADMINISTRATIVE APPOINTMENTS

10/90 - 6/97 Attending physician, Thomas Jefferson University Hospital
6/97- present Attending physician, Hospital of the University of Pennsylvania

BOARD CERTIFICATION: 1983, American Board of Psychiatry and Neurology (Psychiatry)

MEDICAL LICENSE: Pennsylvania MD-021017-E

HONORS, AWARDS AND FELLOWSHIPS:

1992 - National Alliance for Research on Schizophrenia and Depression Established Investigator Award
1996 - Pfizer Visiting Professorship, University of Washington Department of Psychiatry
1996 - Selo Prize, National Alliance for Research on Schizophrenia and Depression
1997 - Simon Gratz Award, Jefferson Medical College, Thomas Jefferson University
1997 - Distinguished Alumnus Award, Thomas Jefferson University
1999- Karl E. Rickels Chair of Psychiatry, Department of Psychiatry, University of Pennsylvania
1999- National Alliance for Research on Schizophrenia and Depression Distinguished Investigator Award
1999- Louis Lurie Memorial Lecture Award, University of Cincinnati College of Medicine

2001- H. J. Weitbrecht Scientific Award, University of Bonn, Bonn, Germany

2004 - National Alliance for Research on Schizophrenia and Depression Distinguished Investigator Award

2006 – Metzger-Conway Fellow, Dickinson College

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES:

1987 Member, Society for Biological Psychiatry

1991 Member, American College of Neuropsychopharmacology

1991 Member, American Society of Human Genetics

EDITORIAL POSITIONS:

1991 - Present Psychiatric Genetics

1995 - Present Addiction Biology

1995 - Present Molecular Psychiatry

1997 - Present Neuropsychopharmacology

1997 - Present Biological Psychiatry

1999 - Present American Journal of Medical Genetics

2003 - Present American Journal of Psychiatry

ACADEMIC COMMITTEES AT THE UNIVERSITY OF PENNSYLVANIA:

School of Medicine Committee on Admissions, 1999-2001

MAJOR TEACHING AND CLINICAL RESPONSIBILITIES AT THE UNIVERSITY OF PENNSYLVANIA:

TEACHING:

Undergraduate/Graduate

BBB451/Psy 407: Behavioral Genetics: Animal Models in Genetic Studies of Behavior

Biol 488/INSC 578: Advanced Topics in Behavioral Genetics: Psychiatric Genetics

Phrm 540: Behavioral Neuropharmacology: Genetics of Behavioral Behaviors

Phrm 600: Medical Pharmacology/Pharmacology of Opioids

Phrm 550: Advanced Topics in Neuropsychopharmacology: Genetics of Substance Abuse

Phrm 550: Advanced Topics in Neuropsychopharmacology: Genetics of Affective Disorders

School of Medicine

Curriculum 2000 Module 2, Brain/Behavior, Genetics of Behavioral Disorders

Curriculum 2000 Module 2, Pharmacology of Opioids

Graduate Medical Education

PGY1/2 Psychiatry: Genetics of Behavioral Disorders

PGY3/4 Psychiatry: Clinically Useful Genetic Data on Behavioral Disorders

PGY3/4 Psychiatry: Pharmacogenetics in Psychiatry

RESEARCH PUBLICATIONS (PEER-REVIEWED):

1. Berrettini, W.H., Vogel, W.H. and Clouse, R.: Platelet monoamine oxidase in chronic schizophrenia. *American Journal of Psychiatry* 134:805-806, 1977.

2. Berrettini, W.H., Prozialeck, W. and Vogel, W.H.: Decreased platelet monoamine oxidase activity in chronic schizophrenia demonstrated with novel substrates. *Archives of General Psychiatry* 35:600-605, 1978.

3. Pratap, V., Berrettini, W.H. and Smith, C.: Arterial blood gases in Pranayama practice. *Perceptual and Motor Skills* 46: 171-174, 1978.

4. Berrettini, W.H. and Vogel, W.H.: Evidence for an endogenous inhibitor of platelet monoamine oxidase in chronic schizophrenia. *American Journal of Psychiatry* 135: 836-38, 1979.

5. Berrettini, W.H., Vogel, W.H. and Ladman, R.K.: Platelet monoamine oxidase in manic-depressive illness: Effect of lithium therapy. *Am J Psychiatry* 136: 836-38, 1979.

6. Berrettini, W.H., Post, R.M., Worthington, E.K. and Casper, J.B.: Human platelet vasopressin receptors. *Life Sciences* 30:425-432, 1982.
7. Berrettini, W.H., Nurnberger, J.I., Jr., Worthington, E. K., Simmons-Alling, S. and Gershon, E.S.: Platelet vasopressin receptors in bipolar affective illness. *Psych Research* 7:83-86, 1982.
8. Berrettini, W.H., Nurnberger, J.I., Jr., Hare, T., Gershon, E.S. and Post, R.M.: Plasma and CSF GABA in affective illness. *British Journal of Psychiatry* 141:483-488, 1982.
9. Berrettini, W.H., Nurnberger, J.I., Jr., Post, R.M. and Gershon, E.S.: Platelet 3H-imipramine binding in euthymic bipolar patients. *Psychiatry Research* 7:215-219, 1982.
10. Berrettini, W.H., Umberkoman-Wiita, B., Nurnberger J.I., Jr., Vogel, W.H., Gershon, E.S. and Post, R.M.: Platelet GABA-Transaminase in affective illness. *Psychiatry Research* 7:255-260, 1982.
11. Post, R.M., Uhde, T.W., Putnam, F.W., Ballenger, J.C. and Berrettini, W.H.: Kindling and carbamazepine in affective illness. *Journal of Nervous and Mental Disease* 170:717-731, 1982.
12. Berrettini, W.H., Nurnberger, J.I., Jr., Hare, T.A., Simmons-Alling, S., Gershon, E.S. and Post, R.M.: Reduced plasma and CSF GABA in affective illness: effect of lithium carbonate. *Biological Psychiatry* 18:185-194, 1983.
13. Berrettini, W.H., Nadi, N.S. and Gershon, E.S.: Absence of specific binding of several putative neurotransmitters to human fibroblasts. *Journal of Receptor Research* 3:409-421, 1983.
14. Berrettini, W.H., Goldin, L.R., Nurnberger, J.I., Jr. and Gershon, E.S.: Genetic factors in affective illness. *Journal of Psychiatric Research* 18:329-350: 1984.
15. Berrettini, W.H., Nurnberger, J.I., Jr., Hotvedt, P., Simmons-Alling, S. and Gershon, E.S.: Vasoactive intestinal peptide and bipolar affective illness: evidence for an effect of lithium. *Journal of Affective Disorders* 8:55-59, 1985.
16. Berrettini, W.H., Nurnberger, J.I., Jr., Linnoila, M., Narrow, W., Scheinin, M., Seppala, T., Simmons-Allings, S. and Gershon, E.S.: Cerebrospinal fluid and plasma monoamines and their metabolites in euthymic bipolar patients. *Biological Psychiatry* 20:257-275, 1985.
17. Berrettini, W.H., Rubinow, D.R., Nurnberger, J.I., Jr., Simmons-Alling, S., Post, R.M. and Gershon, E.S. CSF substance P immunoreactivity in affective disorders. *Biological Psychiatry* 20:965-970, 1985.
18. Berrettini, W.H., Nurnberger, J.I., Jr., Gold, P.W., Chretien, M., Chrousos, G.P., Goldin, L.R. and Gershon, E.S. Neuropeptides in human cerebrospinal fluid. *Life Sciences* 37:1265-1270, 1985.
19. Berrettini, W.H., Nurnberger, J.I., Jr., Seidah, N.G., Chrousos, G.P., Chan, J.S.D., Gold, P.W., Simmons-Alling, S., Goldin, L.R., Chretien, M. and Gershon, E.S.: Proopiomelanocortin-related peptides in CSF: a study of manic-depressive disorder. *Psychiatry Research* 16:287-302, 1985.
20. Berrettini, W.H., Nurnberger, J.I., Jr., Hare, T.A., Simmons-Alling, S. and Gershon, E.S.: CSF GABA in euthymic manic-depressive patients and controls. *Biol Psychiatry* 21:842-44, 1986.
21. Berrettini, W.H., Nurnberger, J.I., Jr. and DiMaggio, D.A.: Neuropeptide Y immunoreactivity in human cerebrospinal fluid. *Peptides* 7:455-458, 1986.

22. Nurnberger, J.I., Jr., Berrettini, W.H., Simmons-Alling, S., Guroff, J.J. and Gershon, E.S.: Intravenous GABA is anxiogenic in man. *Psychiatry Research* 19:113-117, 1986.
23. Guthrie, S.K., Berrettini, W.H., Rubinow, D.R., Nurnberger, J.I., Jr., Bartko, J.J. and Linnoila, M.: Different neurotransmitter metabolite concentrations in CSF samples from inpatient and outpatient normal volunteers. *Acta Psychiatrica Scandinavica* 73:315-321, 1986.
24. Detera-Wadleigh, S.D., Berrettini, W.H., Goldin L.R., Boorman, D., Anderson, S. and Gershon, E.S.: Close linkage of c-Harvey-ras-1 and the insulin gene to affective disorder is ruled out in three North American pedigrees. *Nature* 325:806-808, 1987.
25. Berrettini, W.H., Nurnberger, J.I., Jr., Zerbe, R.L., Gold, P.W. and Tomai, T.: CSF neuropeptides in euthymic bipolar patients and controls. *Brit J Psychiatry* 150:208-12, 1987.
26. Berrettini, W.H., Nurnberger, J.I., Jr., Narrow, W., Simmons-Alling, S. and Gershon, E.S. Cerebrospinal fluid studies of bipolar patients with and without a history of suicide attempts. *Annals of the New York Academy of Sciences* 487:197-201, 1987.
27. Uhde, T.W., Berrettini, W.H., Roy-Byrne, P.P., Boulenger, J. and Post, R.M.: Platelet [3H]Imipramine binding in patients with panic disorder. *Biological Psychiatry* 22:52-58, 1987.
28. Berrettini, W.H., Simmons-Alling, S. and Nurnberger, J.I., Jr. Epidural blood patch does not prevent headache after lumbar puncture. *Lancet* i:856-857, 1987.
29. Berrettini, W.H., Cappellari, C.B., Nurnberger, J.I. and Gershon, E.S. Beta-adrenergic receptors on lymphoblasts: A study of manic-depressive illness. *Neuropsychobiol* 76: 15-18, 1987.
30. Berrettini, W.H., Nurnberger, J.I., Jr. and Simmons-Alling, S. Growth hormone releasing factor in human cerebrospinal fluid. *Psychiatry Research* 22:141-148, 1987.
31. Berrettini, W.H., Bardakjian, J., Cappellari, C.B., Barnett, A.L. Jr., Albright, A., Nurnberger, J.I., Jr. and Gershon, E.S. Skin fibroblast beta-adrenergic receptor function in manic-depressive illness. *Biological Psychiatry* 22:1439-1443, 1987.
32. Gershon, E.S., Merrill, C.R., Goldin, L.R., DeLisi, L.E., Berrettini, W.H. and Nurnberger, J.I. Jr. The role of molecular genetics in psychiatry. *Biological Psychiatry* 22: 1388-1405, 1987.
33. Berrettini, W.H., Doran, A.R., Kelsoe, J., Roy, A. and Pickar, D.: Cerebrospinal fluid neuropeptide Y in depression and schizophrenia. *Neuropsychopharmacology* 1: 81-83, 1987.
34. Sapin, L.R., Berrettini, W.H., Nurnberger, J.I., Jr. and Rothblat, L.A.: Mediation factors underlying cognitive change and laterality in affective illness. *Biol Psychiatry* 22:979-986, 1987.
35. Kaye, W.H., Berrettini, W.H., Gwirtsman, H.E., Chretien, M., Gold, P.W., George, D.T., Jimerson, D.C. and Ebert, M.H.: Reduced cerebrospinal fluid levels of immunoreactive pro-opiomelanocortin related peptides (including beta-endorphin) in anorexia nervosa. *Life Sciences* 41:2147-2156, 1987.
36. Post, R.M., Rubinow, D.R., Kling, M.A., Berrettini, W.H. and Gold, P.W.: Neuroactive substance in cerebrospinal fluid. *Ann New York Academy of Sciences* 531:15-28, 1988.
37. Brewerton, T.D., Berrettini, W.H., Nurnberger, J.I., Jr. and Linnoila, M.: An analysis of seasonal fluctuation in CSF monoamine metabolites and neuropeptides in normal controls. Findings with 5-HIAA and HVA. *Psychiatry Research* 23:257-266, 1988

38. Detera-Wadleigh, S., DeMiguel, C., Berrettini, W.H., DeLisi, L.E., Goldin, L.R. and Gershon, E.S.: Neuropeptide gene polymorphisms in affective disorders and schizophrenia. *Journal of Psychiatric Research* 21:581-587, 1988.
39. Berrettini, W.H., Kaye, W.H., Sunderland, T., May, C., Gwirtsman, H.E., Mellow, A. and Allbright, A.: Galanin immunoreactivity in human CSF: studies in eating disorders and Alzheimer's disease. *Neuropsychobiology* 19:64-68, 1988.
40. Lentjes, K.U., Berrettini, W.H., Hoehe, M.R., Chung, F.Z. and Gershon, E.S.: A biallelic DNA polymorphism of the human beta-2-adrenergic receptor detected by Ban I. *Nucleic Acids Research* 16:2358, 1988.
41. Nurnberger, J.I., Jr., Guroff, J.J., Hamovit, J., Berrettini, W.H. and Gershon, E.S.: A family study of rapid-cycling bipolar illness. *Journal of Affective Disorders* 15:87-92, 1988.
42. Leckman, J.F., Riddle, M.A., Berrettini, W.H., Anderson, G.M., Hardin, M., Chappell, P., Bissette, G., Nemeroff, C.B., Goodman, W.K. and Cohen, D.J.: Elevated CSF Dynorphin A {1-8} in Tourette's Syndrome. *Life Sciences* 43:2015-2023, 1988.
43. Berrettini, W.H., Kaye, W.H., Gwirtsman, H. and Allbright, A.: Cerebrospinal fluid peptide YY immunoreactivity in eating disorders. *Neuropsychobiology* 19:121-124, 1988.
44. Berrettini, W.H., Oxienstierna, G., Sedvall G., Nurnberger, J.I., Jr., Gold, P. W., Rubinow, D.R. and Goldin, L.R.: Characteristics of cerebrospinal fluid neuropeptides relevant to clinical research. *Psychiatry Research* 25:349-359, 1988.
45. Nurnberger, J.I., Jr., Berrettini, W.H., Tamarkin, L., Hamovit, J., Norton, J. and Gershon, E.S.: Supersensitivity to melatonin suppression by light in young people at high risk for affective disorder: A preliminary report. *Neuropsychopharmacology* 1:217-223, 1988.
46. Berrettini, W.H. and Hoehe, M.R.: A biallelic polymorphism of the beta-1- adrenergic receptor gene detected with Bgl II. *Nucleic Acids Research* 16:7754, 1988.
47. Hoehe, M.R. and Berrettini, W.H.: Dra I identifies a two allele DNA polymorphism in the human alpha-2-adrenergic receptor gene. *Nucleic Acids Research* 16:9070, 1988.
48. Nurnberger, J.I., Jr., Berrettini, W.H., Mendelson, W., Sack, D. and Gershon, E.S.: Measuring cholinergic sensitivity: I. Arecoline effects in bipolar patients. *Biological Psychiatry* 24:610-16, 1989.
49. Hoehe, M.R., Berrettini, W.H. and Baetge, E.E.: A two-allele DNA polymorphism of the human phenylethanolamine N-methyl transferase gene identified by HgiA I. *Nucleic Acids Research* 17:828, 1989.
50. Berrettini, W.H., Garrick, N., Nurnberger, J.I., Jr., Simmons-Alling, N., Gelernter, J., Gold, P.W., Rubinow, D.R. and Murphy, D.L.: Intravenous physostigmine increases cerebrospinal fluid neuropeptide Y. *Biological Psychiatry* 26:623-630, 1989.
51. Hoehe, M.R., Berrettini, W.H. and Baetge, E.E.: A two-allele DNA polymorphism of the human PNMT gene defined by Ban I. *Nucleic Acids Research* 17:2148, 1989.
52. Hauser, P., Altshuler, L.L., Berrettini, W.H., Dauphinais, D.I., Gelernter J. and Post R.M.: Temporal lobe measurement in primary affective disorder by magnetic resonance imaging. *Journal of Neuropsychiatry and the Clinical Neurosciences* 1:128-134, 1989.

53. Detera-Wadleigh, S.D., Goldin, L.R., Sherrington R., Encio, I., de Miguel, C., Berrettini, W.H., Gurling, H. and Gershon, E.S.: Exclusion of linkage to 5q11-13 in families with schizophrenia and other psychiatric disorders. *Nature* 340:391-393, 1989.
54. Hauser, P., Dauphinais, D.I., Berrettini, W.H., DeLisi, L.E. and Post, R.M.: Corpus callosum dimensions measured by magnetic resonance imaging in bipolar affective disorder and schizophrenia. *Biological Psychiatry* 26:659-668, 1989.
55. Zahn, T., Nurnberger, J.I., Jr. and Berrettini, W.H.: Electrodermal activity in young adults at genetic risk for affective disorder. *Archives of General Psychiatry* 46:1120-1124, 1989.
56. Cutler, N.R., Berrettini, W.H., DeLuna, D.M., Rubinow, D.R., Tourtellotte, W.W. and Stramek, J.J.: Postmortem ventricular fluid in the analysis of neuropeptides in Alzheimer's disease. *Brain Dysfunction* 2:323-329, 1989.
57. Hoehe, M.R., Berrettini, W.H. and Regan J.W.: A biallelic RFLP of the human alpha2-C4 adrenergic receptor gene (ADRA2RL2) localized on the short arm of chromosome 4 and encoding the putative alpha2B receptor is identified with Bsu 36 I, using a 1.5 kb probe (pADRA2RL2). *Nucleic Acids Research* 17:10148, 1989.
58. Berrettini, W.H., Goldin, L.R., Gelernter J., Gejman, P.V., Gershon, E.S. and Detera-Wadleigh, S.: X-chromosome markers and manic-depressive illness: rejection of linkage to Xq28 in nine bipolar pedigrees. *Archives of General Psychiatry* 47:366-373, 1990.
59. Kaye, W.H., Berrettini, W.H., Gwirtsman, H. and George, D.T.: Altered cerebrospinal fluid Neuropeptide Y and Peptide YY immunoreactivity in anorexia nervosa and bulimia. *Archives of General Psychiatry* 47:548-556, 1990.
60. Roy, A., Berrettini, W.H., Adinoff, B. and Linnoila, M.: CSF galanin in alcoholics, pathological gamblers and normal controls: a negative report. *Biol Psychiatry* 27:923-25, 1990.
61. Nurnberger, J.I., Jr., Berrettini, W.H., Simmons-Alling, S., Jimerson, D., Lawrence, D. and Brittain, H.: Blunted ACTH and cortisol response to afternoon tryptophan infusion in euthymic bipolar patients. *Psychiatry Research* 31:57-67, 1990.
62. George, D.T., Adinoff, B., Ravitz, B., Nutt, D.J., DeJong, J., Berrettini, W.H., Mefford, I.N., Costa, E. and Linnoila, M.: A cerebrospinal fluid study of the pathophysiology of panic disorder associated with alcoholism. *Acta Psychiatrica Scandinavica* 82:1,1990.
63. Wolkowitz, O.M., Rubinow, D., Doran, A.R., Brier, A., Berrettini, W.H., Kling, M.A. and Pickar, D.: Prednisone effects on neurochemistry and behavior: Preliminary findings. *Archives of General Psychiatry* 47:693-698, 1990.
64. Gejman, P.V., Detera-Wadleigh, S., Martinez, M.M., Berrettini, W.H., Goldin, L.R., Gelernter, J., Hsieh, W-T. and Gershon E.S.: Manic-depressive illness not linked to Factor IX in an independent series of pedigrees. *Genomics* 8:648-655, 1990.
65. Sunderland, T., Berrettini, W.H., Molchan, S.E., Lawlor, B.A., Martinez, B.A., Vitiello, B., Tariot, P.N. and Cohen, R.M.: Reduced cerebrospinal fluid dynorphin A1-8 in Alzheimer's Disease. *Biological Psychiatry* 29:1265-1271, 1991.
66. Roy, A., Berrettini, W.H., DeJong, J., Adinoff, B., Ravitz, B. and Linnoila, J.: CSF neuropeptide Y in alcoholics and normal controls. *Psychiatry Research* 33:215-219, 1991
67. Zahn, R.P., Nurnberger, Jr., J.I., Berrettini, W.H. and Robinson, Jr., T.N: Concordance between anxiety and autonomic nervous system activity in subjects at genetic risk for affective disorder. *Psychiatry Research* 36:99-110, 1991.

68. Berrettini, W.H., Goldin, L.R., Martinez, M.M., Maxwell, M.E., Smith, A.L., Guroff, J.J., Kazuba, D.M., Nurnberger, Jr., J.I., Hamovit, J., Simmons-Alling, S., Robb, A.S. and Gershon, E.S.: A bipolar pedigree series for genomic mapping of disease genes: Diagnostic and analytic considerations. *Psychiatric Genetics* 2(2):125-160, 1991.
69. Hoehe, M.R., Ehrenreich, H., Caenazzo, L. and Berrettini, W.H.: TAQ I identifies a four allele DNA polymorphism of the human endothelin-1 gene. *Nucleic Acids Res* 19:3161, 1991.
70. Caenazzo, L., Hoehe, M.R., Hsieh, W.-T., Berrettini, W.H., Bonner, T.I. and Gershon, E.S.: HIND III identifies a two allele DNA polymorphism of the human cannabinoid receptor gene. *Nucleic Acids Research* 19(17):4798, 1991.
71. Lesem, M.D., Berrettini, W.H., Kaye, W.H. and Jimerson D.C.: Measurement of CSF dynorphin A1-8 in anorexia nervosa and normal-weight bulimia. *Biological Psychiatry* 29:244-252, 1991.
72. Baronti, F., Conant, K.E., Giuffra, M., Davis, T.L., Brughitta, G., Iadarola, M.J., Berrettini, W.H., Chase, T.N. and Mouradian, M.M.: Opioid peptides in Parkinson's disease: Effects of dopamine repletion. *Brain Research* 560:92-96, 1991.
73. Berrettini, W.H.: Editorial: Is investment in molecular genetics worthwhile? *Biological Psychiatry* 30(3):213-215, 1991.
74. Berrettini, W.H., Detera-Wadleigh, S.D., Goldin, L.R., Martinez, M., Hsieh, W-T., Hoehe, M., Choi, H., Muniec, D., Ferraro, T.N., Guroff, J.J., Kazuba, D., Harris, N., Kron, E., Nurnberger Jr., J.I., Alexander, R. and Gershon E.S.: Genomic screening for genes predisposing to bipolar disease. *Psychiatric Genetics* 2:191-208, 1991.
75. Swedo, S.E., Leonard, H.L., Kruesi, M.J.P., Rettew D.C., Listwak, S.J., Berrettini, W., Stipetic M, Hamburger, S., Gold, P.W., Potter W.Z. and Rapoport, J.L.: Cerebrospinal fluid neurochemistry of children and adolescents with obsessive compulsive disorder. *Archives of General Psychiatry* 49:29-36, 1992.
76. Litvan, I., Berrettini, W.H., Atack, J.R. and Chase, T.N.: Cerebrospinal fluid galanin and neuropeptide Y immunoreactivity in progressive supranuclear palsy patients. *Acta Neurologica Scandinavica* 86:204-206, 1992.
77. Detera-Wadleigh, S.D., Berrettini, W.H., Goldin, L.R., Martinez, M., Hsieh, W-T., Hoehe, M., Encio, I.J., Coffman, D., Rollins, D.Y., Muniec, D., Choi, H., Guroff, J.J., Wiesch, D. and Thai, N.: A systematic search for a bipolar predisposing locus on chromosome 5. *Neuropsychopharmacology* 6(4): 219-229, 1992.
78. Hoehe, M.R., Berrettini, W.H., Schwinn, D.A. and Hsieh, W-T.: A two-allele PstI RFLP for the Alpha-1C adrenergic receptor gene. *Human Molecular Genetics* 1:349, 1992.
79. Gejman, P.V., Martinez, M., Qiuhe, C., Friedman, E., Berrettini, W.H., Goldin, L.R., Koroulakis, P., Ames, C., Lerman, M.A. and Gershon, E.S.: Linkage analysis of 57 microsatellite loci to bipolar disorder. *Neuropsychopharmacology* 9:31-49, 1993.
80. Wolkowitz, O.M., Coppola, R., Breier, A., Doran, A.R., Rubinow, D.R., Berrettini, W.H., Kling, M.A. and Pickar, D.: Quantitative electroencephalographic correlates of steroid administration in man. *Neuropsychobiology*, 27:224-230, 1993.
81. Alexander, R.C., Duda, J., Vogel, W. and Berrettini, W.H.: Morphine and cocaine preference in inbred mice. *Psychiatric Genetics* 3:33-37, 1993.

82. Wolkowitz, O.M., Weingartner, H., Rubinow, D.R., Jimerson, D., Kling, M., Berrettini, W., Thompson, K., Breier, A., Doran, A., Reus, V.I. and Pickar, D.: Steroid modulation of human memory biochemical correlates. *Biological Psychiatry* 33:744-746, 1993.
83. Berrettini WH: Quantitative trait loci mapping: a novel approach to candidate genes for psychiatric diseases. *Psychiatric Genetics* 3: 203-205, 1993.
84. Berrettini, W.H., Alexander, R.C., Ferraro, T.N. and Vogel, W.H.: A study of oral morphine preference in inbred mouse strains. *Psychiatric Genetics* 4: 81-86, 1994.
85. Berrettini, W.H., Ferraro, T.N., Alexander, R.C., Buchberg, A.M. and Vogel, W.H.: Quantitative trait loci mapping of three loci controlling morphine preference using inbred mouse strains. *Nature Genetics* 7:54-58, 1994.
86. Berrettini, W.H., Harris, N., Ferraro, T.N. and Vogel, W.H.: Maudsley reactive and non-reactive rats differ in exploratory behavior but not in learning. *Psych Genetics* 4: 91-4, 1994.
87. Berrettini, W.H., Ferraro, T.N., Goldin, L.R., Weeks, D.E., Detera-Wadleigh, S.D., Nurnberger, Jr., J.I. and Gershon, E.S.: Chromosome 18 DNA markers and manic depressive illness: Evidence for a susceptibility gene. *PNAS (USA)* 91:5918-5921, 1994.
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PATENTS:

Berrettini W: Gene and methods for diagnosing neuropsychiatric disorders and treating such disorders, US patent number 09/689,423

Berrettini W: Diagnostic markers for multiple epilepsy phenotypes. US patent number 7,262,290.

CURRENT RESEARCH FUNDING:

R01 MH59553: WH Berrettini is PI; 12/1/03 - 11/30/07 20% effort
 A Collaborative Genomic Study of Bipolar Disorder \$250,000 direct costs
 This project is a collaborative multisite search for genes predisposing to bipolar disorder through the study of 5000 unrelated affected individuals and 5000 unrelated controls in linkage disequilibrium analyses.

P60 DA 05186 C O'Brien is PI; 09/01/07-08/31/12 20% effort
 Dr. Berrettini is PI of one project, A Genetic Study of Opioid Addiction \$72,000 direct costs
 The goal is to identify susceptibility sequences for opioid dependence in an association study of the mu opioid receptor gene and other candidate genes among patients from methadone maintenance programs.

2P50DA012756 Helen Pettinati is PI; WH Berrettini is Director, Genetics Core 9/1/99-6/30-09 5% effort
 Innovative Approaches for Cocaine Pharmacotherapy

RECENTLY COMPLETED RESEARCH PROJECTS

R01MH66146 WH Berrettini is PI; 9/1/02-7/31/06 15% effort
 Genetics of Anorexia Nervosa \$150,000 direct costs
 This project is a collaborative multisite search for genes predisposing to anorexia nervosa through the study of families with at least one pair of affected siblings.

R01 MH63876 WH Berrettini is PI; 6/1/02-5/31/05
 A Neuropeptide Gene in Psychiatric Illness
 The goal is to test polymorphisms in novel 18p11 genes to determine whether the gene predisposes to bipolar disorder.

R01 DA 14008 WH Berrettini is PI; 07/15/02-4/30/05
 A Genetic Study of Opioid Dependence

The goal is to identify a murine locus which explains most of the variance in morphine self-administration in a mouse model of heroin dependence, using congenic strains and mu opioid receptor null mutant mice.