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Andrew Winokur, M.D., Ph.D.

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Department of Psychiatry
University of Connecticut Health Center
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Education: 1962-66 B.A. Yale University
1966-70 M.D. Tufts University School of Medicine
1972-76 Ph.D. University of Pennsylvania Department of
Pharmacology

Postgraduate Training and Fellowship Appointments:

1970-71 Intern in Medicine, Boston Veterans Administration Hospital
1971-75 Resident in Psychiatry, University of Pennsylvania
1973-75 Assistant Instructor in Psychiatry, Department of Psychiatry,
Kennedy School of Government, Harvard University,
1996 Executive Program in Health Policy,
“Coping with the Health Care Revolution”

Faculty Appointments:

1975-84 Assistant Professor, Department of Psychiatry
University of Pennsylvania School of Medicine
1976-84 Assistant Professor, Department of Pharmacology,
University of Pennsylvania School of Medicine
1984-88 Associate Professor (with tenure), Department of Psychiatry,
University of Pennsylvania School of Medicine
1984-88 Associate Professor, Department of Pharmacology,
University of Pennsylvania School of Medicine
1988-97 Professor, Department of Psychiatry,
University of Pennsylvania School of Medicine
1988-97 Professor, Department of Pharmacology,
University of Pennsylvania School of Medicine
1997-98 Professor, Department of Psychiatry
Dartmouth Medical School

1997-98 Professor, Department of Pharmacology
Dartmouth Medical School
1998- Professor, Departments of Psychiatry and Pharmacology
University of Connecticut School of Medicine

Hospital and Administration Appointments and Committees:

1974-75 Chief Resident in Psychiatry, Department of Psychiatry,
University of Pennsylvania School of Medicine
1977-97 Clinical Staff, Hospital of the University of Pennsylvania
1987-90 Director, Program for Affective Disorders, Department of
Psychiatry, University of Pennsylvania
1990-94 Director, Psychiatry Sleep Disorders Program,
Department of Psychiatry, University of Pennsylvania
1990-97 Associate Director, Center for Sleep and Respiratory
Neurobiology, University of Pennsylvania
1997-98 Director of Psychopharmacology, Department of Psychiatry,
Dartmouth Medical School
1997-98 Director, Neuropsychopharmacology Treatment, Research and
Training Center, Department of Psychiatry, Dartmouth Medical
School
1998- Director of Psychopharmacology, University of Connecticut
Health Center
1998- IRB, University of Connecticut Health Center
1998-2007 Pharmacy and Therapeutics Committee, University of Connecticut
Health Center

Specialty Certification: 1983 American Board of Psychiatry and Neurology (in Psychiatry)

Licensure: Connecticut 037113

Awards, Honors and Memberships in Honorary Societies:

1975 Pharmaceutical Manufacturers Association Faculty Development Award
(declined)
1975-80 National Institute of Mental Health Research Scientist Development
Award, Type 1
1980-85 National Institute of Mental Health Research Scientist Development
Award, Type 11
1985-90 National Institute of Mental Health Research Scientist Award
1987 The Earl D. Bond Award for Excellence in Teaching Department of
Psychiatry
1993-94 NARSAD Senior Investigator Award
1996-97 National Institute of Health Sleep Academic Award
2006 Dr. Manfred J. Sakel Distinguished Chair in Psychiatry
2007 The 2007 Residents' Choice Teaching Award
2008 The 2008 Residents' Choice Teaching Award

2009	The 2009 Residents' Choice Teaching Award
2010	2009 NAMI Exemplary Psychiatrist Award
2015	2015 General Adult Psychiatry Residency Support of Resident Education Award

Membership in Professional and Scientific Societies:

<i>International Societies:</i>	International Society of Psychoneuroendocrinology
<i>National Societies:</i>	American Association for the Advancement of Science, Society for Neuroscience, Biological Psychiatry, American College of Neuropsychopharmacology, American Sleep Disorders Association

Editorial Position:

1980-1989	Editorial Advisory Board, Biological Psychiatry
1993-1995	Book Review Editor, Neuropsychopharmacology

Academic Committees:

University of Pennsylvania:

1977-1994	Admissions Committee, School of Medicine
1978-1986	Ware Health House Faculty Fellow
1979	Department of Physiology Review Committee
1979-	Biological Basis of Behavior Advisory Committee
1980-	Benjamin Franklin Scholars Advisory Committee
1980-1982	Biomedical Research Support Grant Review Committee
1980-1981	Department of Neurology Search Committee
1981	Department of Psychiatry Residency Program Evaluation Committee
1982-1986	Department of Pharmacology Graduate Program Advisory Committee
1982-1983	Department of Medicine Review Committee
1984-1986	Medical School Committee on Ethics in Research
1985-1986	Department of Physiology Review Committee
1986-	Neuroscience Graduate Group Executive Committee
1987-	Clinical Research Center Advisory Committee
1987-1995	Department of Psychiatry Research Committee, (Chairman, 1993-95)
1989-1992	Committee on Appointments and Promotions, School of Medicine
1988-1989	Department of Pediatrics Review Committee
1990-	Center for Sleep and Respiratory Neurobiology, Executive Committee
1992-	Committee on Academic Freedom and Responsibility
1993	Biological Basis of Behavior Review Committee
1995	Committee on Appointments and Promotions, Department of Psychiatry
1996	Institute of Neurological Sciences Search Committee

Dartmouth Medical School:

- 1997-98 Committee for Protection of Human Subjects
- 1997-98 Pharmacy Formulary Committee

University of Connecticut School of Medicine:

- 2000- M.D., Ph.D. Program Advisory Committee
- 2000- Senior Appointments and Promotions Committee
- 2000- Section Leader, CNS Mechanisms of Disease Section of Mechanisms of Disease Course

National Committees:

- 1977 Ad Hoc site visitor for National Academy of Science evaluation of biomedical research in the Veterans Administration program
- 1979-1982 Veterans Administration Behavioral Sciences Merit Review Board
- 1982 American Psychiatric Association PKSAP-V, Subcommittee on Diagnostic Testing
- 1984-1985 NIMH CIA/PSA Special Review Committee
- 1985-1987 Ad Hoc Study Section member for NIMH Research Scientist Development Program
- 1987-1990 NIMH Study Section Member, Treatment, Development and Assessment Subcommittee (Chairman, 1989-90)
- 1992-1994 NIMH Study Section Member, Neuropharmacology and Neurochemistry Review Committee
- 1998-2001 Department of Veterans Affairs, Reducing the Efficacy-Effectiveness Gap in Bipolar Disorder Advisory Committee
- 1998-2002 Psychopharmacologic Drugs Advisory Committee, FDA
- 2002- Special Government Employee to serve as Consultant, Psychopharmacologic Drugs Advisory Committee, FDA
- 2003-2006 Department of Veterans Affairs, Clinical Research Grant Review Committee
- 2003- Reviewer of Loan Prepayment Applications for NIDA
- 2006-2010 Donaghue Foundation Clinical and Community Health Issues Review Committee
- 2006-2007 Department of Veterans Affairs, Mental Health Behavioral Sciences Grant Review Committee
- December 2011 Acting Chair, Psychopharmacologic Drugs Advisory Committee Meeting, FDA

Bibliography: Original Papers

1. Schildkraut, J.J., Winokur, A., and Applegate, C.W.: Norepinephrine turnover and metabolism in rat brain after long-term administration of imipramine, *Science*, 168:867-869, 1970.
2. Schildkraut, J.J., Winokur, A., Draskozy, P.R., and Hensle, J.H.: Changes in norepinephrine turnover in rat brain during chronic administration of imipramine and protriptyline: a possible explanation for the delay in onset of clinical antidepressant effects, *American Journal of Psychiatry*, 127:1032-1039, 1971.
3. Winokur, A., and Utiger, R.D.: Thyrotropin-releasing hormone: regional distribution in rat brain, *Science*, 185:265-267, 1974.
4. Winokur, A., Davis, R.A., and Utiger, R.D.: Subcellular distribution of thyrotropin-releasing hormone (TRH) in rat brain and hypothalamus, *Brain Research*, 120:423-432, 1977.
5. Kardon, F.C., Winokur, A., and Utiger, R.D.: Thyrotropin-releasing hormone (TRH) in rat spinal cord, *Brain Research*, 122:578-581, 1977.
6. Kardon, F.C., Marcus, R.J., Winokur, A., and Utiger, R.D.: Thyrotropin-releasing hormone content of rat brain and hypothalamus: results of endocrine and pharmacologic treatments, *Endocrinology*, 100:1604-1609, 1977.
7. Winokur, A., and Beckman, A.L.: Effects of thyrotropin-releasing hormone, norepinephrine and acetylcholine on the activity of neurons in the hypothalamus, septum and cerebral cortex of the rat. *Brain Research*, 150:205-209, 1978.
8. Winokur, A., Kreider, M.S., Dugan, J., and Utiger, R.D.: The effects of 6-hydroxydopamine on thyrotropin-releasing hormone in rat brain, *Brain Research*, 152:203-208, 1978.
9. Winokur, A., Dugan, J., Mendels, J., and Hurtig, H.I.: Psychiatric illness in relatives of patients with Parkinson's disease: an expanded survey, *American Journal of Psychiatry*, 135:854-855, 1978.
10. Winokur, A., Rickels, K., Garcia, C.R., Huggins, G., and Guthrie, M.B.: Emotional distress in family planning service patients, *Advances in Family Planning*, 14:33-40, 1979.
11. Kreider, M.S., Winokur, A., and Utiger, R.D.: TRH immunoreactivity in rat hypothalamus and brain: Assessment by gel filtration and thin-layer chromatography, *Brain Research*, 171:161-165, 1979.
12. Winokur, A., Rickels, K., Greenblatt, D.J., Snyder, P.J., and Schatz, N.J.: Withdrawal reaction from long-term, low-dose administration of diazepam: a double-blind, placebo-controlled case study, *Archives of General Psychiatry*, 37:101-105, 1980.

13. Winokur, A., March, V., and Mendels, J.: Primary affective disorder in relatives of patients with anorexia nervosa, *American Journal of Psychiatry*, 137:695-698, 1980.
14. Stanton, T.L., Winokur, A., and Beckman, A.L.: Reversal of natural CNS depression by TRH action in the hippocampus, *Brain Research*, 181:470-475, 1980.
15. Amsterdam, J., Winokur, A., Caroff, S., and Mendels, J.: Thyrotropin releasing hormone: mood-elevating effects in depressed patients, anorectic patients and normal volunteers. *American Journal of Psychiatry*, 138:115-116, 1981.
16. Amsterdam, J., Winokur, A., and Levin, R.: Sperm function in affective illness. *Psychosomatic Medicine*, 43:183-185, 1981.
17. Kreider, M.S., Winokur, A., and Krieger, N.R.: The olfactory bulb is rich in TRH immunoreactivity. *Brain Research*, 217:69-77, 1981.
18. Amsterdam, J.D., Winokur, A., and Caroff, S.: Dexamethasone suppression test as a prognostic tool: Two case reports. *American Journal of Psychiatry*, 138:979-980, 1981.
19. Winokur, A., and Rickels, K.: Withdrawal and pseudowithdrawal reactions from diazepam therapy. *The Journal of Clinical Psychiatry*, 42:442-444, 1981.
20. Amsterdam, J., Winokur, A., Caroff, S.N., and Conn., J.: Effects of tricyclic antidepressants on the dexamethasone suppression test. *American Journal of Psychiatry*, 138:1245-1246, 1981.
21. Caroff, S., Koenig, R., Winokur, A., Amsterdam, J.D., and Puglia, C.: Acute metabolic response to cold stress in unipolar and bipolar II patients. *Biological Psychiatry*, 16:919-929, 1981.
22. Kreider, M.S., Winokur, A., and Krieger, N.C.: Pathways of TRH degradation in rat brain. *Neuropeptides*, 1:455-463, 1981.
23. Stanton, T.L., Winokur, A., and Beckman, A.L.: TRH effects in the CNS; dependence on arousal state. *Science*, 214:678-681, 1981.
24. Levin, R., Amsterdam, J.D., Winokur, A., and Wein, A.J.: Effects of psychotropic drugs on human sperm motility. *Fertility and Sterility*, 26:503-506, 1981.
25. Amsterdam, J.D., Winokur, A., Snyder, P.J., and Caroff, S.J.: Gonadotropic responses to GNRH administration in depressed patients and healthy volunteers. *Journal of Affective Disorders*, 3:367-380, 1981.

26. Amsterdam, J.D., Winokur, A., Caroff, S.N., and Levin, R.: The effects of desmethyl-imipramine and lithium on human sperm function. *Psychoneuroendocrinology*, 6:359-363, 1981.
27. Winokur, A., Amsterdam, J.D., Caroff, S.N., Snyder, P.J., and Brunswick, D.J.: Variability in hormonal response to a series of neuroendocrine challenges (TRH, GNRH, ITT, DST) in depressed patients. *American Journal of Psychiatry*, 139:39-44, 1982.
28. Amsterdam, J., Winokur, A., Caroff, S.N., and Conn., J.: The dexamethasone suppression test in outpatients with primary affective disorder and healthy control subjects. *American Journal of Psychiatry*, 139:287-291, 1982.
29. Rickels, K., Csanalosi, I., Werblowsky, J., Weise, C.C., Weinstock, R., Brown, A.S., Winokur, A., and von Poelnitz, M.: Amitriptyline-perphenazine and doxepin in depressed outpatients: A controlled double blind study. *The Journal of Clinical Psychiatry*, 43:419-422, 1982.
30. Winokur, A., Guthrie, M.B., Rickels, K., and Nael, S.: Extent of agreement between patient and physician ratings of emotional distress. *Psychosomatics*, 23:1135-1146, 1982.
31. Stanton, T.L., Winokur, A., and Beckman, A.L.: Seasonal variation in TRH content of different brain regions and the pineal in the mammalian hibernator, *Citellus lateralis*. *Regulatory Peptides*, 3:135-144, 1982.
32. Kreider, M.S., Knight, P.B., Winokur, A., and Krieger, N.R.: TRH concentration in rat olfactory bulb is undiminished by deafferentation. *Brain Research*, 241:351-354, 1982.
33. Amsterdam, J.D., Winokur, A., Lucki, I., Snyder, P., Harris, R.I., Caroff, S., and Rickels, K.: Growth hormone, prolactin and thyrotropin responses to gonadotropin-releasing hormone in depressed patients and healthy volunteers. *Psychoneuroendocrinology*, 7:177-178, 1982.
34. Winokur, A., Amsterdam, J.D., Mihailovic, V., and Caroff, S.N.: Improvement in ratings of tension after TRH administration in healthy women. *Psychoneuroendocrinology*, 7:239-244, 1982.
35. Caroff, S., Winokur, A., Rieger, W., Schweizer, E., and Amsterdam, J.: Response to dexamethasone in psychotic depression. *Psychiatry Research*, 8:59-64, 1983.
36. Amsterdam, J.D., Winokur, A., Lucki, I., and Snyder, P.J.: Neuroendocrine regulation in depressed postmenopausal women and healthy subjects. *Acta Psychiatrica Scandinavica*, 67:43-49, 1983.
37. Winokur, A., Amsterdam J., Snyder, P.J., Caroff, S.N. and Brunswick, D.J.: Multiple hormonal responses to TRH administration in depressed patients and healthy volunteers. *Archives of General Psychiatry*, 40:525-531, 1983.

38. Amsterdam, J.D., Winokur, A., Lucki, I., Caroff, S., Snyder, P., and Rickels, K.: A neuroendocrine test battery in bipolar patients and healthy subjects. *Archives of General Psychiatry*, 40:515-521, 1983.
39. Amsterdam, J.D., Winokur, A., Bryant, S., Larken, J., and Rickels, K.: The dexamethasone suppression test as a predictor of antidepressant response. *Psychopharmacology*, 80:43-45, 1983.
40. Amsterdam, J.D., Winokur, A., Abelman, E., Lucki, I., and Rickels, K.: Cosyntropin (ACTH 1-24) stimulation test in depressed patients and healthy subjects. *American Journal of Psychiatry*, 140:907-909, 1983.
41. Rickles, K., Case, G., Downing, R., and Winokur, A.: Long-term diazepam therapy and clinical outcome. *Journal of the American Medical Association*, 250:767-771, 1983.
42. Caroff, S., Winokur, A., Snyder, P.J., and Amsterdam, J.: Diurnal variation of growth hormone secretion following thyrotropin-releasing hormone infusion in normal men. *Psychosomatic Medicine*, 46:59-66, 1984.
43. Winokur, A., Winokur, D.F., Rickels, K., and Cox, D.S.: Symptoms of emotional distress in a family planning service. Stability over a four-week period. *British Journal of Psychiatry*, 144:395-399, 1984.
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46. Caroff, S.N., and Winokur, A.: Hormonal response to TRH following rest-activity reversal in normal men. *Biological Psychiatry*, 19:1015-1025, 1984.
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54. Manaker, S., Shulman, L.H., Winokur, A., and Rainbow, T.C.: Autoradiographic localization of thyrotropin releasing hormone (TRH) receptors in amyotrophic lateral sclerosis (ALS) spinal cord. *Neurology*, 35:1650-1653, 1985.
55. Rickels, K., Downing, R.W., Case, G.W., Csanalosi, I., Chung, H., Winokur, A., and Ginrich, R.L.: Six week trial with diazepam: Some clinical observations. *Journal of Clinical Psychiatry*, 42:1093-1096, 1985.
56. Amsterdam, J.D., Winokur, A., Dyson, W., Herzog, S., Gonzalez, F., Rott, R., and Koprowski, H.: Borna virus disease: A possible etiology for human affective disorder? *Archives of General Psychiatry*, 42:1093-1096, 1985.
57. Manaker, S., Engber, T.M., Knight, P.B., and Winokur, A.: Intraventricular (IVT) 5, 7-dihydroxytryptamine (5,7-DHT) increases thyrotropin-releasing hormone (TRH) content in regions of rat brain. *Journal of Neurochemistry*, 45:1315-1318, 1985.
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59. Manaker, S., Caine, S.B., and Winokur, A.: Ibotenic acid decreases thyrotropin-releasing hormone (TRH) receptor binding in the rat amygdala. *Brain Research*, 347:144-148, 1985.
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61. Winokur, A., Lindberg, N.D., Lucki, I., Phillips, J., and Amsterdam, J.D.: Hormonal and behavioral effects associated with intravenous L-tryptophan administration. *Psychopharmacology*, 88:213-219, 1986.

62. Schweizer, E., Winokur, A., and Rickels, K.: Insulin induced hypoglycemia and panic attacks. *American Journal of Psychiatry*, 143:654-655, 1986.
63. Manaker, S., Eichen, A., Winokur, A., Rhodes, C.H., and Rainbow, T.C.: Autoradiographic localization of thyrotropin releasing hormone receptors in human brain. *Neurology*, 36:641-646, 1986.
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69. Amsterdam, J.D., Schweizer, E., and Winokur, A.: Multiple hormonal responses to insulin-induced hypoglycemia in depressed patients and normal volunteers. *American Journal of Psychiatry*, 144:170-175, 1987.
70. Amsterdam, J.D., Maislin, G., Droba, M., and Winokur, A.: The ACTH stimulation test before and after clinical recovery from depression. *Psychiatry Research*, 20:325-336, 1987.
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73. Amsterdam, J.D., Marinelli, D.L., Arger, P., and Winokur, A.: Assessment of adrenal gland volume by computer-assisted tomography in depressed patients and healthy volunteers. *Psychiatry Research*, 21:189-198, 1987.
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75. Amsterdam, J.D., Settle, R.G., Doty, R.L., Abelman, E., and Winokur, A.: Taste and smell perception in depression. *Biological Psychiatry*, 22:1481-1985, 1987.
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81. Joyce, J.N., Lexow, N., Bird, E., and Winokur, A.: Organization of dopamine D1 and D2 receptors in human striatum: Receptor autoradiographic studies in Huntington's disease and schizophrenia. *Synapse*, 2:546-557, 1988.
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85. Amsterdam, J.D., Maislin, G., Bervish, N., Phillips, J., and Winokur, A.: Enhanced adrenocortical sensitivity to submaximal doses of cosyntropin (ACTH) in depressed patients. *Archives of General Psychiatry*, 46:550-554, 1989.
86. Amsterdam, J.D., Maislin, G., Winokur, A., Phillips, J., Berwisch, N., and Gold, P.: The assessment of abnormalities in hormonal responsiveness at multiple levels of the hypothalamic-pituitary-adrenocortical axis in depressive illness. *Psychoneuroendocrinology*, 14:430-462, 1989.
87. Amsterdam, J.D., Skolnick, B., Maislin, G., Berwisch, N., and Winokur, A.: Multiple hormonal responses to clonidine administration in depressed patients and normal volunteers. *Biological Psychiatry*, 26:265-278, 1989.
88. Manaker, S., Lipson, D., Lexow, N., Wiczorek, C.M., and Winokur, A.: Post-mortem stability of thyrotropin releasing hormone and muscarinic cholinergic receptors in rat forebrain. *Synapse*, 4:387-389, 1989.
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90. Kreider, M.S., Wolfinger, B.L., and Winokur, A.: Systemic administration of kainic acid produces elevations in TRH in rat central nervous system. *Regulatory Peptides*, 28:83-93, 1990.
91. Kreider, M.S., Winokur, A., Pack, A.I. and Fishman, A.P.: Reduction of thyrotropin releasing hormone (TRH) concentrations in the central nervous system of the African lungfish during estivation. *General and Comparative Endocrinology*, 77:435-441, 1990.
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93. Joyce, J.N., Lexow, N., Kim, S.J., Artymysh, R., Lawrence, D., Cassanova, M., Kleinman, J., Bird, E., and Winokur, A.: Distribution of Beta-adrenergic receptor subtypes in human postmortem brain with reference to alterations in schizophrenia. *Synapse*, 10:228-246, 1992.
94. Stanton, T.L. Caine, S.B. and Winokur, A.: Seasonal and state-dependent changes in brain TRH receptors in hibernating ground squirrels. *Brain Research Bulletin*, 28:877-886, 1992.

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Presentations

1. Onset of Efficacy of Ketamine in Treatment-Resistant Depression:: A Double-Blind Randomized, Placebo-Controlled, Dose Frequency Study

October 18-21, 2014
Berlin, Germany
27th ECNP Congress of Applied and Translational Neuroscience

2. A Double-Blind, Randomized, Placebo-Controlled, Parallel Group, Dose Frequency Study of Intravenous Ketamine in Patients with Treatment-Resistant Depression

May 8-10, 2014
New York, NY
Society of Biological Psychiatry 69th Annual Scientific Meeting

June 16-19, 2014
Hollywood, Florida
2014 American Society of Clinical Psychopharmacology (ASCP) Annual Meeting

June 22-26, 2014
Vancouver, Canada
29th CINP World Congress of Neuropsychopharmacology