

CURRICULUM VITAE

Morris B. Goldman, M.D.

Personal

University of Chicago Hospitals and Clinics
Department of Psychiatry
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(Home) 446 Lenox Street
Oak Park, Illinois 60302-1340

Birth date: November 17, 1953 Phoenix, Arizona

Marital Status: Married - two children

Education

- 1971-75 Occidental College, Los Angeles, California, Concentration: Chemistry
(with honors) B.A. Summa Cum Laude
- 1975-80 University of Pennsylvania, Philadelphia, Pennsylvania, M.D.
- 1980-81 Intern (mixed Medicine, Psychiatry, Neurology) University of Chicago
Medical Center, Chicago, Illinois
- 1981-84 Resident in Psychiatry, University of Chicago Medical Center, Chicago,
Illinois
- 1984-86 Fellow, Psychiatry/Neuroendocrinology, University of Chicago Medical
Center, Chicago, Illinois

Professional Appointments

- 1984-86 Instructor Fellow in Psychiatry, University of Chicago Medical Center
- 1985-2002 Consulting Psychiatrist, Elgin Mental Health Center, Elgin, Illinois
- 1986-93 Assistant Professor of Psychiatry, University of Chicago Pritzker School of
Medicine
- 1988-93 Associate Director for Research, University of Chicago Research Program,
Illinois State Psychiatric Institute
- 1992-96 Director Schizophrenia Outpatient Program, University of Chicago,
Department of Psychiatry
- 1993-96 Clinical Director, University of Chicago Research Program, Illinois State
Psychiatric Institute
- 1993- Associate Professor of Psychiatry, University of Chicago Pritzker School of
Medicine
- 1995- Director, Psychotic Disorders Programs, University of Chicago, Department of Psychiatry
- 1996-2004 Chief, University of Chicago Research Program, Psychiatric Clinical Research
Center, Psychiatric Institute, University of Chicago in affiliation with University of

Illinois

- 1997-2007 Lecturer, University of Illinois at Chicago
2004-2005 Interim Director, Psychiatric Clinical Research Center, Psychiatric Institute
2006- Associate Chief, Electroconvulsive therapy service.
2007- Consultant, Thresholds Psychiatric Rehabilitation Centers

Committee Leadership, etc. (partial):

- 1994-96 President, Medical Staff, Psychiatric Research Institute
1990- Consultant, Minnesota Board of Medical Practice
2004- Board Member Oak Park Family and Mental Health Services
2005- Institutional Review Board, University of Chicago
2006- Board Member, Equip for Equality

Professional Certification

- 1985 American Board of Psychiatry and Neurology

Honors

- 1973 National Science Foundation Undergraduate - Research Fellow
1973 Editor, *The Occidental*
1974 Phi Beta Kappa
1975 Outstanding Undergraduate Chemistry Student, Occidental College
1980 National Fund for Medical Education Fellowship
1984-86 National Institute for Mental Health Extramural Research Training Fellowship
1994 Mentor of the Year, Illinois Psychiatric Society
2002 Outstanding Educator University of Chicago Department of Psychiatry
2004 Outstanding Educator PGY-II residents, University of Chicago Department of Psychiatry
2008 Outstanding Educator PGY-II residents, University of Chicago Department of Psychiatry

Professional Organizations

Society of Biological Psychiatry
International Society of Psychoneuroendocrinology
Endocrine Society
Society for the Study of Ingestive Behaviors
Society for Neuroscience

Reviewer

Archives of General Psychiatry
Biological Psychiatry
General Hospital Psychiatry
Journal of the American Medical Association
Journal of Nervous and Mental Disease
American Journal of Mental Retardation
Journal of Neuropsychiatry and Clinical Neuroscience
Schizophrenia Research
Schizophrenia Bulletin

American Journal of Psychiatry
Psychiatry Research
Neuropsychopharmacology
Physiology and Behavior
Brain and Language
Acta Psychiatrica Scandinavia
Progress in Neuro-Psychopharmacology and Biological Psychiatry
Psychoneuroendocrinology
Endocrinology
Human Brain Mapping
National Institute of Mental Health- CNBP (Ad Hoc)
New England Journal of Medicine

Research Support

(Past) *partial:*

"Is Water Intoxication in Schizophrenia Caused by Abnormal Hypothalamic Dopamine Activity"? Scottish Rite Foundation, P.I. Morris Goldman, \$56,037, 8/88 - 9/91.

"Mechanism of Abnormal Water Metabolism in Schizophrenia". NIMH R29 MH43618. P.I. Morris Goldman, 50% effort. \$178,528, 9/89 - 2/94.

"Heat Shock Protein Serum Antibodies in Schizophrenia". Scottish Rite Foundation, P.I. Neil Smalheiser, \$33,000, 8/93 - 8/94.

"Effect of Olanzapine on Life-Threatening Water Imbalance and Stereotypic Behaviors in Schizophrenia". Eli-Lilly Company, P.I. Morris Goldman, \$50,000 12/96 - 12/99.

"A novel neuroendocrine marker of Psychological stress" Brain Research Foundation. \$8000, 7/98-6/00.

"Social Neuroscience." NSF, PI. John Cacioppo, Total Direct costs 317,000. 7/00- 7/02

"Family Genetic Study of Schizophrenia." NIH Grant R01 MH5957, Co-investigator 5% effort, 3/99 – 3/03

"A 5 Day Double-blind placebo-controlled trial to evaluate the safety and efficacy of YM087 (CI1025) in Patients With Euvolemic or Hypervolemic Hyponatremia" PI. Morris Goldman Yamanouchi Pharmaceuticals, Total Direct costs \$51,000

"A 12-week Open-Label Extension to Protocol 1025-006 to evaluate the safety and efficacy of YM087 (CI1025) in Patients With Euvolemic or Hypervolemic Hyponatremia". PI. Morris Goldman Yamanouchi Pharmaceuticals, Total Direct Costs \$16,300.

An International, multicenter large simple trial to compare the cardiovascular safety of ziprasidone and olanzapine. Pfizer Pharmaceuticals. Total Direct \$8,000 1/03-1/05.

"UIC/University of Chicago Psychiatric Institute Agreement". University of Illinois, 70% effort, (Bennet Leventhal, PI) \$200,000 6/03 - 6/04

"Mechanism of Abnormal Water Excretion in Schizophrenia." NIMH RO1 MH56525. P.I. Morris B. Goldman, 15% effort, Total Direct Costs \$829,079, -12/04.

"Functional Neuroarchitecture of Prepulse Inhibition" Brain Research Foundation PI Morris B. Goldman, \$50,000, 7/02-7/05

"Multicenter, Randomized, Double-Blind, Placebo-Controlled, Efficacy and Safety Study of the Effects of Oral Tolvaptan in Patients with Hyponatremia" Otsuka Pharmaceuticals, \$50,000 PI Morris B. Goldman 1/04-1/05

"Functional Neuroarchitecture of Prepulse Inhibition" NARSAD Independent Investigator Award P.I Goldman, 5% effort; Total Direct \$100,000; 9/03-9/06

"Controlled, randomized efficacy and safety trial of atomoxetine, atomoxetine plus bupirone, and placebo in adults with attention deficit hyperactivity disorder" Pfizer Pharmaceuticals, \$275,000 PI Morris B. Goldman, 3/05-3/06

"International, Multicenter, study of one-year, open-label, titrated oral tolvaptan tablet administration in patients with chronic hyponatremia" Otsuka Pharmaceuticals, \$79,000 PI Morris B. Goldman 10/04-10/06

"Identifying novel therapeutic targets in an alternative phenotype of schizophrenia" Brain Research Foundation PI Morris B. Goldman, \$25,000, 7/04-7/06 .

(Current:)

"A 24-Week, Multicenter, Double-Blind, Randomized, Parallel-Group, Dose Ranging Study of the Efficacy and Safety of oral doses of AVE 1625 5, 10, and 30 mg and placebo on top of an established treatment regimen of either olanzapine, risperidone or quetiapine monotherapy in the treatment of Cognitive Impairment in Schizophrenia" Sanofi-Aventis, PI Morris B. Goldman, 10% effort, Total Direct Costs \$360,000, 9/07-9/08

"Genetic Linkage Studies in Bipolar Disorders NIMH" -5R01 MH61613. PI Elliot Gershon 3/1/05 - 2/28/10, 5% effort.

(Pending:)

"rTMS vs ECT for Treatment of Major Depression in Patients Referred for ECT." NIMH Sub-award PI Morris B. Goldman, 15% effort, Total Direct Costs \$225,000, 7/08-6/12

"Does diminished oxytocin modulate stress vulnerability in schizophrenia" NIMH PI Morris B. Goldman, 15% effort, 1 R21 MH082295-01 Total Direct Costs \$400,271, 7/08-7/10.

"Neural network underlying altered prepulse inhibition in schizophrenia" NIMH PI Morris B. Goldman, 15% Effort, Total Direct Costs \$275,000, 4/1/09-3/31/09.

Original Articles

1. Dratman MB, Goldman M, Crutzfield FL, Gordon JT: Nervous system role of iodocompounds in blood pressure regulation. Life Sciences, 30:611-619, 1982.
2. Luchins DJ, Goldman MB. High doses bromocriptine in a case of tardive dyskinesia. Biological Psychiatry, 20:179-181, 1985.
3. Weddington WW, Wyma DJ, Goldman MB. Major affective disorder in a renal transplant recipient following the death of the donor. Transplantation Process, 17:2023-2025, 1985.
4. Goldman MB, Dratman MB, Maruniak JA, Jennings AS, Gibbons RD. Heart rate response to triiodothyronine: Evidence for a central nervous system site of thyroid hormone action. Journal of Clinical Investigation, 76:1622-1625, 1985.
5. Goldman MB, and Luchins DJ. Demeclocycline improves hyponatremia in psychosis. Biological Psychiatry, 20:1149-1155, 1985.
6. Goldman MB, and Luchins DJ. Prevention of episodic water intoxication with target weight procedure. American Journal of Psychiatry, 144:365-366, 1987.
7. Goldman MB, Luchins DJ, Robertson GL. Mechanisms of altered water metabolism in psychotic patients with polydipsia and hyponatremia. New England Journal of Medicine, 318:397-403, 1988.
8. Fayen M, Goldman MB, Moulthrop MA, Luchins DJ. Enhanced verbal memory with dopaminergic vs. anticholinergic treatment of drug-induced extrapyramidal symptoms. American Journal of Psychiatry, 145:483-486, 1988.
9. Goldman MB, Luchins DJ, Robertson GL. Treatment of hyponatremia secondary to water overload. Lancet, i:328-329, 1989.
10. Goldman MB, and Janecek HM. Adjunctive fluoxetine improves global function in chronic schizophrenia. Journal of Neuropsychiatry, 2:429-431, 1990.
11. Goldman MB, and Janecek HM. Is compulsive water drinking a compulsive behavior? A pilot study. Biological Psychiatry, 29:503-505, 1991.
12. Goldman MB. A rational approach to polydipsia, hyponatremia and water intoxication. Hospital and Community Psychiatry, 42:488-494, 1991.
13. Goldman MB, Marks RC, Blake L, Petkovic M, Hedeker D, Luchins DJ. Estimating daily urine volume in psychiatric patients: Empiric conformation. Biological Psychiatry, 31:1228-1231, 1992.
14. Luchins DJ, Goldman MB, Dyson V, Lieb M. Excessive stereotypic behaviors in chronic schizophrenia. Schizophrenia Research, 8:119-123, 1992.
15. Goldman MB, Blake L, Marks RC. Association of nonsuppression of cortisol on the DST with primary polydipsia in chronic schizophrenia. American Journal of Psychiatry, 150:653-655, 1993.

16. Goldman MB, Nash M, Blake L, Petkovic M, Luchins, DJ. Effect of Gatorade on water imbalance in hyponatremic schizophrenics: A pilot study. Journal of Clinical Psychiatry, 55:151-153, 1994.
17. Goldman MB. Fatal cardiac arrhythmia in a hyponatremic schizophrenic. Biological Psychiatry, 36:485-486, 1994.
18. Becker J, Goldman MB, Alam MY, Luchins DJ. Effects of naltrexone on stereotypic behaviors and water imbalance in polydipsic schizophrenics: A pilot study. Schizophrenia Research, 17:279-282, 1995.
19. Goldman MB, Robertson GL, Hedeker D. Oropharyngeal regulation of water balance in polydipsic schizophrenics. Clinical Endocrinology, 44:31-37, 1996.
20. Goldman MB, Robertson GL, Luchins DJ, Hedeker D. The influence of polydipsia on water excretion in hyponatremic polydipsic schizophrenic patients. Journal of Clinical Endocrinology and Metabolism, 81:1465-1470, 1996.
21. Canuso C, Goldman MB. Does minimizing neuroleptic dosage influence hyponatremia? Psychiatry Research 63:227-229, 1996.
22. Goldman MB, Nettles KW. Influence of the hippocampus/subiculum on antidiuretic hormone levels during stress. Psychoneuroendocrinology, 21:593-598,1997.
23. Goldman MB, Luchins DJ, Robertson GL, Hedeker D, Pandey GH. Psychotic exacerbations and enhanced vasopressin in schizophrenics with hyponatremia and polydipsia. Archives of General Psychiatry, 54: 443-449, 1997.
24. Luchins DJ, Nettles KW, Goldman MB. Anterior medial temporal lobe volumes in polydipsic schizophrenic patients with and without hypo-osmolemia: A pilot study. Biological Psychiatry, 42: 767-770, 1997.
25. Canuso C, Goldman MB. Clozapine restores water balance in schizophrenic patients with polydipsia-hyponatremia syndrome. Journal of Neuropsychiatry and Clinical Neurosciences, 11:86-90, 1999.
26. Nettles KW, Pesold C, Goldman MB. Influence of the ventral hippocampal formation on antidiuretic hormone, hypothalamic-pituitary-adrenal axis, and behavioral responses to novel acoustic stress. Brain Research, 858:181-190, 2000.
28. Goldman MB. Effect of adjunctive cortisol on serum sodium in a polydipsic, hyponatremic schizophrenic patient. Progress in Neuro-psychopharmacology & Biological Psychiatry. 24:233-9, 2000.
29. Goldman MB, Wood GJ. Adrenocorticotropin inhibition by restoration of normal evening cortisol levels: A measure of putative hippocampus-mediated glucocorticoid feedback in humans. Neuroendocrinology, 71:396-401 2000.

30. Goldman MB, Mitchell CP. What is the functional significance of the hippocampal pathology in schizophrenia? Schizophrenia Bulletin 30:367-392, 2004.
31. Mitchell CP, Goldman MB. Neonatal lesions of the ventral hippocampal formation disrupt neuroendocrine responses to auditory stress in the adult rat. Psychoneuroendocrinology 29: 1317-1325, 2004.
32. Goldman MB, Hussain N. Absence of effect of olanzapine on primary polydipsia: Results of a double-blind randomized study, Journal of Clinical Psychopharmacology 24:678-80, 2004.
33. Mitchell CP, Grayson DR, Goldman MB. Neonatal Lesions of the Ventral Hippocampal Formation Alter GABA-A Receptor Subunit mRNA Expression in Adult Rat Frontal Pole. Biological Psychiatry Biological Psychiatry 57:49-55,2005.
34. Luchins DJ, Chiriac I, Hanrahan P, Goldman M, Fabian R, Tolley G. Allocating funds for medications and psychosocial interventions: How consumers would divide the pie. Psychiatric Services 56:799-801, 2005.
35. Goldman, MB, Heidinger L, Kulkarni K, Zhu DC, Chien A, McLaren DG, Shah J, Coffey Jr. CE, Sharif S, Chen E, Ufring SJ, Small SL, Solodkin A, Pilla R. Changes in the amplitude and timing of the hemodynamic response associated with prepulse inhibition of acoustic startle. Neuroimage 32:1375-1384, 2006.
36. Goldman, MD, Hussain H, Wood G, Goldman MB, Gavin M, Paul S, Zaheer S, Fayyaz, G, R. Pilla. Mechanism of impaired corticosteroid negative feedback in schizophrenia. Journal of Clinical Endocrinology and Metabolism 32:698-704, 2007.
37. Goldman MB, Hussain N, Gnerlich J. Enhanced neuroendocrine responses to psychological stress in schizophrenic patients with polydipsia and hyponatremia. Neuropsychopharmacology 32:1611-1621, 2007.
38. Goldman MB, Torres IJ, Keedy S, Marlow-O'Connor M, Beenken B. Reduced anterior hippocampal formation volume in hyponatremic schizophrenic patients. Hippocampus 17:554-562, 2007.
39. Myers CL, Gopalka A, Glick D, Goldman MB, Dinwiddie SH. A case of negative-pressure pulmonary edema after electroconvulsive therapy. Journal of ECT. 23:281-283, 2007
40. Goldman MB, Marlow-O'Connor M, Torres I, Carter CS. Diminished plasma oxytocin in schizophrenic patients with neuroendocrine dysfunction and emotional deficits. Schizophrenia Research. 98:247-255, 2008.

In Press, in Review or in Preparation

1. Josiassen RC, Goldman M, Jessani M, MD Shaughnessy RA, Lee J, Czerwiec F, Orlandi C. Double-blind, placebo-controlled, multicenter trial of a vasopressin V2-receptor antagonist in patients with schizophrenia and hyponatremia (in press Biological Psychiatry).

2. Torres, IJ, Keedy S, Marlow-O'Connor M, Beenken B, Goldman MB. Cognitive impairment and anterior hippocampal volume reduction in schizophrenic patients with polydipsia and hyponatremia (submitted, Neuropsychology).
3. Marlow-O'Connor M, Torres IJ, Keedy S, Beenken B, Goldman MB. Neural correlations of facial affect discrimination in schizophrenia (in preparation).
4. Goldman MB. Researching the pathophysiology of major mental illness: Neuroendocrine systems as biomarkers of brain dysfunction. (Submitted, Psychoneuroendocrinology).

Abstracts (past 5 years: partial listing)

26. Goldman MB: Hippocampal-mediated glucocorticoid negative feedback in humans. Society for Neuroscience, 1998, 201.13.
27. Nettles KW, Goldman MB: Ventral hippocampal formation inhibits the plasma vasopressin responses to acoustic startle: a clearer view of the neurocircuitry regulating stress responses? Society for Neuroscience, 1999, 825.5.
28. Dunaway LA, Torres IJ, Goldman MB: Schizophrenia symptoms and nonverbal fluency performance. International Congress on Schizophrenia Research, 2001 49S:105.
29. Torres IJ, Shah J, Levin D, Keedy S, Goldman MB: A reliable method for determining amygdala volume through structural MRI. International Congress on Schizophrenia Research 2001, 49S: 168.
30. Goldman MB, Shah J, Levin D, Small S, Heidinger L, Torres I: Neurocircuitry Inhibiting responses to mental stimuli: adaptation of prepulse Inhibition to fMRI International Congress on Schizophrenia Research 2001, 48S, 177.
31. Goldman MB, Shah J, Levin D, Small S, Heidinger L, Torres I. Adaptation of prepulse Inhibition to fMRI, Society for Neuroscience, 2001, 737.16
32. Goldman, MB, Gnerlich J, Zaheer S. Neuroendocrine responses to a mixed physical/psychological stressor in schizophrenia. Society for Neuroscience, 2002.
33. Goldman MB, Gavin M, Mitchell C, Zaheer S. Glucocorticoid negative feedback in schizophrenia. Society for Neuroscience, 2002.
34. Goldman, MB; Gnerlich J, Hussain, N, Zaheer, S, Enhanced Hippocampal-mediated HPA Responses to Stress in Schizophrenia. International Congress on Schizophrenia Research, 2003 60S:99.
35. Hussain N, Gavin M, Zaheer S, Goldman, MB. Impaired hippocampal-mediated glucocorticoid negative feedback in schizophrenia. International Congress on Schizophrenia Research, 2003 60S:103.
36. Chien A, Heidinger L, Kulkarni K, Goldman MB. Measuring prepulse inhibition and facilitation of the eyeblink response to acoustic startle using event-related designs during fMRI. International Congress on Schizophrenia Research, 2003 60S:214.

37. Keedy S, Torres I, Marlow-O'Connor M, Goldman, MB. Amygdala structure and associated neuropsychological function in schizophrenia. International Congress on Schizophrenia Research, 2003 60S:140.
38. Mitchell CP, Goldman MB. Neonatal lesions of the ventral hippocampus increases plasma adrenocorticotropin response to stress. International Congress on Schizophrenia Research, 2003 60S:148.
39. Mitchell CP, Goldman MB. Neonatal lesions of the ventral hippocampus enhance neuroendocrine responses to acoustic stress. Society for Neuroscience, 2003 .
40. Kulkarni K., Heidinger L., Goldman, MB. Demonstrating Prepulse Inhibition of Acoustic Startle in normals during fMRI. International Society for NeuroImaging in Psychiatry, 2004
41. Heidinger L, Kulkarni K, Solodkin A., Zhu D, Small S, Goldman MB. Neural responses to acoustic startle modification., International Society for NeuroImaging in Psychiatry, 2004.
42. Mitchell CP, Goldman MB. Neonatal lesions of the ventral hippocampal formation alter GABA-A receptor subunit mRNA expression in the adult rat frontal pole. Society for Neuroscience, 2004.
43. Goldman MB, Heidinger L, Kulkarni K, Solodkin A, Zhu D, Small S. Neural responses to acoustic startle modification. Society for Neuroscience, 2004.
44. Heidinger L, Kulkarni K, Solodkin A, Zhu DC, McLaren DG, Small SL, Gibbons R, Goldman MB. Neural Correlates of Prepulse Inhibition of Acoustic Startle. International Congress on Schizophrenia Research, 2005.
45. Goldman M, Hussain NN, Van Cauter E. Divergent HPA Axis Responses to Stress in Schizophrenia Attributable to Presence or Absence of Hippocampal Pathology. International Congress on Schizophrenia Research, 2005.
46. Hussain NN, Goldman MB. Impaired Glucocorticoid Negative Feedback in Schizophrenic Patients with Hippocampal Pathology . International Congress on Schizophrenia Research, 2005.
47. Marlow-O'Connor M, Torres I, Keedy S, Beenken B, Gibbons R, Goldman M. Reduced Anterior Hippocampal Formation Volume in Patients with Schizophrenia and Water Imbalance. International Congress on Schizophrenia Research, 2005.
48. Zhu D, Heidinger L, Kulkarni K, McClaren D, Goldman M. Brain activation temporal characteristic mapping in event-related fMRI studies. Organization for Human Brain Mapping, 2005.
49. Josiassen RC, Goldman M, Jessani M, Czerwiec F, Orlandi C , for the Tolvaptan Investigators. Vasopressin V₂-Receptor Blockade With Tolvaptan in Schizophrenic Patients With Hyponatremia: Results From a Double-Blind, Randomized Trial. International Congress on Schizophrenia Research, 2007.
50. Torres IJ, Keedy S, Marlow-O'Connor M, Beenken B, Goldman M. Anterior hippocampal volume reduction is associated with cognitive impairment in schizophrenic patients with water imbalance. International Congress on Schizophrenia Research, 2007.

51. Goldman MB, Carter CS, Marlow-O'Connor M, Torres I. Mechanism of neuroendocrine dysfunction in schizophrenia. Society for Neuroscience, 2007.
52. Goldman MB, Carter CS, Marlow-O'Connor M, Torres I. Mechanism and clinical significance of neuroendocrine dysfunction in schizophrenia. International Society for Psychoneuroendocrinology, 2007.
53. Goldman MB, Gomes A, Carter CS, Lee, R. Preliminary evidence of impaired oxytocin functioning in schizophrenia. American College of Neuropsychopharmacology, 2007.
54. Gomes A, Lee R., Carter CS, Goldman MB. The effects of oxytocin in a subset of schizophrenic patients with enhanced stress responses and diminished hippocampal volumes. Brain Research Meeting: stress, coping and disease. November, 2008.
55. Gomes A, Lee R., Carter CS, Goldman MB. Effect of intranasal oxytocin on facial affect recognition in schizophrenia, Society for Neuroscience, November 2008.

Presentations *(available on request)*

Book Chapters

1. Ehrhardt V, Goldman MB: Drug induced endocrine dysfunction. In Keshavan MS, Kennedy J, Prasad A. (eds). Drug-induced Dysfunction in Psychiatry. New York, Hemisphere, 1991, pp. 293-306.
2. Goldman MB: Neuropsychiatric aspects of endocrine disorders. In Yudofsky S, Hales ED. (eds). Textbook of Neuropsychiatry, 2nd ed. Washington, APA Press 1992, pp. 519-540.
3. Goldman MB: Pathophysiology of fluid balance dysregulation in psychiatric patients. In Schnur D, Kirch DG. (eds). Water Balance in Schizophrenia. Washington, APA Press, 1996, pp. 109-125.

Reviews and Letters, Other

1. Goldman MB, Singh S, Seagraves RT: Dadi and her family: A rural mother-in-law in India. Journal of Sex and Marital Therapy 9:95-96, 1983.
2. Goldman MB, and Luchins DJ: Intermittent neuroleptic therapy and tardive dyskinesia. (Letter). American Journal of Psychiatry 144:1626-1627, 1987.
3. Goldman MB, Luchins DJ, Robertson GL: Psychosis and water metabolism. (Letter). New England Journal of Medicine 319:376, 1988.
4. Goldman MB: Vasopressin in chronic psychiatric patients with primary polydipsia. (Letter). British Journal of Psychiatry 158:569, 1991.
5. Goldman MB: Water intoxication. (Letter). Hospital and Community

Psychiatry 43:182-183, 1992.

6. Goldman MB: Update on treatment and physiology of water imbalance in schizophrenia. (Review) Psychiatric Annals 26:93-96, 1996.
7. Goldman MB : Syndrome of Inappropriate Antidiuretic Hormone. (letter) Biological Psychiatry 45:515, 1999
8. Goldman MB: Assuming the role of principal care physician for your patients with chronic mental illness. (Review) Contemporary Psychiatry 1:1-8, 2002.
9. Schrier RW, Gross P, Gheorghide M, Berl T, Verbalis JG, Czerwiec FS, Orlandi C; SALT Investigators (includes M Goldman). Tolvaptan, a selective oral vasopressin V2-receptor antagonist, for hyponatremia. N Engl J Med. 2006;355:2099-112.
10. Goldman MB: Treatment of disorders of water balance in psychiatric patients. International Drug Therapy, March 2007.

Past and Present Students

Victoria Ehrhart, M.D.
1989-1990

(currently)

PGY-4 Chief Resident University of Chicago
Oropharyngeal regulation of thirst and vasopressin in schizophrenia
Chicago Medical School
Associate Professor of Psychiatry

Jeff Bennett, M.D.
1990-1991

(currently)

PGY-4 University of Chicago
Role of polydipsia in impaired water excretion in schizophrenia
Southern Illinois University
Associate Professor of Psychiatry

Julia Becker, M.D.
1993-1994

(currently)

PGY-4 - Chief Resident University of Chicago
Efficacy of naltrexone in hyponatremia
Mt. Sinai School of Medicine, New York
Assistant Professor of Psychiatry

Vicki Nee, M.D.
1994-1995

(currently)

PGY-4, Resident University of Chicago/Lutheran General Hospital
Mechanism of abnormal water excretion in schizophrenia
University of Illinois
Assistant Professor of Clinical Psychiatry

Carla Canuso, M.D.
1994-1995

(currently)

PGY-4 Chief Resident University of Chicago
Treatment of hyponatremia with clozapine
Jansen Pharmaceuticals

Kendall Nettles B.A.
1995-1998

(currently)

Research Technician
Role of hippocampal formation in vasopressin response to stress in rodents
Scripps Institute

Assistant Professor in Cancer Biology

Sam Litvachuck

1999-2000

(currently)

University of Chicago Undergraduate

Determination of plasma vasopressin concentration by HPLC/MS with electro-spray detection.

Passed away 2005 while completing Neurosurgery residency

Gordon Wood, B.A.

1999-2000

(currently)

Medical Student Summer Research Program, MS-II

A Measure of Hippocampal-Mediated Glucocorticoid Feedback In Normals

Fellow, Department of Medicine
Northwestern University,

Javad Shah

2000-2000

(currently)

Medical Student Summer Research Program, MS-II

Development of a reliable measure of amygdala volume with structural MRI

NIH Medical Student Research Program
University of Chicago, MS-IV

Sadia Sharif

2000-2001

(currently)

University of Chicago Undergraduate

Prepulse inhibition in a mock MRI scanner

Graduate Student, Counseling, UC Davis, Sacramento, CA

Michelle Gavin

2001

(currently)

Medical Student Summer Research Program, MS-II

Glucocorticoid negative feedback in schizophrenia

Medicine Resident, Northwestern University, Chicago

Jennifer Gnerlick, B.S.

2001-2001

(currently)

Medical Student Summer Research Program, MS-II

Neuroendocrine responses to a mixed physical/psychological stressor in schizophrenia

Surgical Resident, Wash Univ St. Louis, St. Louis, MO

Joe Zollo, M.D.

2001-2002

(currently)

PGY-4 Chief Resident University of Chicago

Prepulse inhibition in the MRI setting

Private Practice, Psychiatry
La Porte, Indiana

Sarah Keedy, Ph.D.

2000-2003

(Currently)

Graduate Student, Psychology

Anterior hippocampal formation volume and neuropsychologic functioning in schizophrenics with water imbalance

Assistant Professor, UIC, Chicago, IL

Andy Chien

2002-2002

(currently)

Medical Student Summer Research Program, MS-II

Obtaining measures of startle modification of eyeblink during functional MRI

Fellow NIH

Colin Mitchell, PhD

2002-2004

Post-Doctoral Scholar

Animal model of water imbalance in schizophrenia

(currently)	Eli Lilly, Indianapolis, IN
<u>Kirti Kulkarni, M.D.</u> 2002-2006	Graduate Student, Biomedical Engineering, (UIC) <i>Obtaining measures of startle modification of eyeblink during functional MRI</i>
(currently)	Assistant Professor Department of Radiology University of Chicago
<u>Megan Marlow-O'Connor, Ph.D.</u> 2002-2004	Graduate Student, Psychology, (CMS) <i>Anterior hippocampal formation volume and neuropsychologic functioning in schizophrenics with water imbalance</i>
(currently)	Neuropsychologist in practice Chicago, IL
<u>Chase Caffey, M.D.</u> 2003-2003	Medical Student Summer Research Program, MS-II <i>Obtaining measures of startle modification of eyeblink during functional MRI</i> Resident
<u>Beth Beenken, Ph.D.</u> 2003-2004	Graduate Student, Psychology, (CMS) <i>Anterior hippocampal formation volume and neuropsychologic functioning in schizophrenics with water imbalance</i>
(currently)	Psychology intern, Yale, New Haven, CT
<u>Stephanie Papillon</u> 2006-	Medical Student Summer Research Program, MS-II <i>BOLD response to prepulse inhibition in patients with schizophrenia</i>
(currently)	MS-IV UC
<u>Alexandrina Gomes, B.A.</u>	Graduate Student, SSA <i>Effects of oxytocin on impaired facial affect discrimination in schizophrenia</i>

7/17/08