

UNIVERSITY OF PENNSYLVANIA - SCHOOL OF MEDICINE
Curriculum Vitae

Date: 03/05

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Department of Psychiatry
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University of Pennsylvania Medical Center
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Philadelphia, PA 19104

Education:

1978-82	B.A.	Augsburg College (Psychology)
1982-85	M.A.	Loyola College of Maryland (Clinical Psychology/Health Psychology)
1985-90	Ph.D.	University of Health Sciences/The Chicago Medical School (Clinical Psychology/ Neuropsychology)

Postgraduate Training and Fellowship Appointments:

07/89-07/90	Predoctoral Internship, Department of Clinical and Health Psychology, J. Hillis Miller Health Center, Shands Hospital, University of Florida, Gainesville, FL. (Full APA Accreditation).
07/90-07/91	Postdoctoral Fellow in Clinical Neuropsychology, Department of Clinical and Health Psychology, J. Hillis Miller Health Center, Shands Hospital, University of Florida, Gainesville, FL. (Full APA Accreditation).

Military Service: None

Faculty Appointments:

07/91-	Assistant Professor of Neuropsychology, Department of Psychiatry, University of Pennsylvania School of Medicine
07/00-	Associate Professor of Neuropsychology, Department of Psychiatry, University of Pennsylvania School of Medicine
07/00-	Associate Professor of Neuropsychology,

Department of Otorhinolaryngology: Head and Neck Surgery
University of Pennsylvania School of Medicine

07/03- Associate Professor of Neuropsychology,
Department of Neurology
University of Pennsylvania School of Medicine

Hospital and Administrative Appointments:

12/82-06/85 Research Associate, Department of Psychiatry and Behavioral Sciences, The Johns Hopkins University Hospital
06/85-09/85 Psychogeriatric Associate, Department of Psychiatry and Behavioral Sciences, The Johns Hopkins University School of Medicine
08/88-06/89 Psychogeriatric Research Coordinator, Department of Psychiatry, Johnston R. Bowman Health Center for the Elderly, Rush-Presbyterian-St. Luke's Medical Center
07/91- Director of Clinical Services, Neuropsychology Program, Brain Behavior Laboratory, Department of Psychiatry, University of Pennsylvania School of Medicine
07/91- Medical Staff Affiliate, Hospital of the University of Pennsylvania
07/91- Research and Clinical Associate, Smell and Taste Center, Department of Otorhinolaryngology/Head and Neck Surgery, University of Pennsylvania School of Medicine
10/93-11/96 Neuropsychology Consultant, Legal Office, Prosecution Division, Bureau of Professional and Occupational Affairs, Department of State, Commonwealth of Pennsylvania.
07/01 - Medical Staff Affiliate, Philadelphia VA Medical Center.
07/01 - Consulting Neuropsychologist, Parkinson's Disease Research, Education and Clinical Center (PADRECC), Philadelphia VA Medical Center.
01/03 - Medical Staff Affiliate, Pennsylvania Hospital

Specialty Certification:

1982 Certification in Program Evaluation
1998- Diplomate in Clinical Neuropsychology, American Board of Professional Psychology, Diploma Number: 5144

Licensure:

1990- Licensed Psychologist, Commonwealth of Pennsylvania, Certificate Number: PS-006153-L

Awards, Honors and Membership in Honorary Societies:

1988-89 Research Fellowship awarded by the Evanston Hospital

- 1989 Corporation/McGaw Medical Center of Northwestern University.
Dean's Award for Outstanding Performance in Clinical
Psychology, awarded by the University of Health Sciences/The
Chicago Medical School.
- 2000- John Morgan Society, University of Pennsylvania
- 2002- Janice Lieber Investigator, National Alliance for Research on
Schizophrenia and Depression (NARSAD)

Memberships in Professional and Scientific Societies:

National Societies:

International Neuropsychological Society
American Psychological Association (Fellow)
Division 40, Clinical Neuropsychology (Fellow)
American Board of Clinical Neuropsychology
American Academy of Clinical Neuropsychology
National Academy of Neuropsychology (Fellow)
Association of Chemoreception Sciences
Society for Behavioral and Cognitive Neurology
Schizophrenia International Research Society (Charter Member)

Local Societies:

Philadelphia Neuropsychology Society
Pennsylvania Psychological Association (Fellow)
University of Pennsylvania Institute on Aging (Fellow)

National Scientific Committees:

Reviewer, CMS Study Section, Behavioral & Neurosciences
Special Emphasis Panel, National Institutes of Health, Bethesda,
MD. 1995.

Reviewer, IIRG Study Section, Alzheimer's Disease Association,
Chicago, IL. 1999 - present

Reviewer, Special Emphasis Panel, ZRG1 SSS-C (02), National Institutes
of Health, Bethesda, MD. 2002

Reviewer, Special Emphasis Panel, ZRG1 SSS-C (03), National Institutes
of Health, Bethesda, MD. 2002

Reviewer, Special Emphasis Panel, ZDC1 SRB-S (07), National Institutes
of Health, Bethesda, MD. 2002

Reviewer, Merit Review Panel, The National Science Foundation,
Arlington, VA. 2003

Reviewer, Special Emphasis Panel, ZDC1 SRB-S (08), National Institutes
of Health, Bethesda, MD. 2003

Executive Committee/Trainer, Institutional National Service Award
(INSA)-Training in the Neurobiology of Otorhinolaryngology,
National Institute on Deafness and Other Communicative

Disorders (NIDCD). 2003-2008.
Reviewer, Natural Sciences and Engineering Research Council (NSERC/CRSNG) of Canada. Committee 160. 2003-2004.
Reviewer, Special Emphasis Panel, ZDC1 SRB-S (09), National Institutes of Health, Bethesda, MD. 2004
Reviewer, Philip Morris External Research Program. Research Management Group, Linthicum, MD. 2004.

Local Scientific Committees:

Institutional Review Board (IRB), Swarthmore College, Swarthmore, PA. 2001- 2003
Expert Panel Member Judge, Department of Rehabilitation Medicine Research Day, University of Pennsylvania School of Medicine, June 14th, 2002.

Editorial Positions:

1992- Reviewer for Brain and Language
1992- Reviewer for Brain and Cognition
1994- Reviewer for American Journal of Geriatric Psychiatry
1994- Reviewer for Biological Psychiatry
1997- Reviewer for Psychiatry Research: Neuroimaging
1997- Reviewer for Schizophrenia Research
1997- Reviewer for American Journal of Psychiatry
1997- Reviewer for Neuropsychology
1998- Reviewer for Psychology and Aging
2001- Reviewer for American Journal of Rhinology
2001- Reviewer for Chemical Senses
2001- Reviewer for Neuroepidemiology
2001 - Reviewer for Psychological Review
2001- Reviewer for Archives of General Psychiatry
2001- Reviewer for Journal of Abnormal Psychology
2002- Reviewer for Psychophysiology
2002- Reviewer for Multiple Sclerosis
2002- Reviewer for Neuropsychiatry, Neuropsychology & Behavioral Neurology
2002- Reviewer for Neuroscience and Biobehavioral Reviews
2003- Reviewer for Psychological Assessment
2003- Reviewer for Clinical Neurophysiology
2003- Reviewer for Assessment
2004- Reviewer for Brain Research

Academic Committees at the University of Pennsylvania and Affiliated Hospitals:

1995- Member and Neuropsychological Consultant, The Committee on Students with Learning Disabilities, Office of the Provost,

University of Pennsylvania, Philadelphia, PA.

1995- Member and Neuropsychological Consultant, The Committee on Foreign Language Acquisition, Office of the Provost, University of Pennsylvania, Philadelphia, PA.

Major Teaching and Clinical Responsibilities at the University of Pennsylvania:

1. Director of Clinical Services, Neuropsychology Program, Brain Behavior Laboratory, Department of Psychiatry. five days/week
2. Supervision and training of post-doctoral fellows, predoctoral interns, and graduate students
3. Education, training, and consultation to medical residents, interns, staff, and students
4. Development and coordination of neuropsychology service activities and conferences, five days/week
5. Lecturer in Neuropsychiatry Training Program, Integrative Neuroscience Course, Neuropsychopharmacology Course, and Geriatric Psychiatry (Psychiatry, Medicine, Nursing).

Lectures by Invitation:

- 07/99 “Olfactory assessment and methodology: State of the art”. British Academic Conference in Otolaryngology (BACO). Cambridge, England.
- 12/00 “Olfactory Assessment and Neuropsychology: What we know about the nose.” Kessler Institute for Rehabilitation. East Orange, NJ.
- 05/02 “Olfactory Dysfunction in Psychiatry and Neurology” The 155th Annual Meeting of the American Psychiatric Association, Philadelphia, PA.
- 10/02 “Scent of a Disorder: Olfactory Dysfunction as a Probe of Fronto-Limbic Dysfunction in Schizophrenia.” Finch University of Health Sciences/The Chicago Medical School., North Chicago, IL.
- 12/02 “Olfactory Dysfunction as a Probe of Fronto-Limbic Dysfunction in Schizophrenia.” The Monell Chemical Senses Center, Philadelphia, PA.
- 02/03 “The Forgotten Cranial Nerve: Studies of Olfactory Function in Neuropsychology”. Thirty-First Annual Meeting of the International Neuropsychological Society, Honolulu, HI.
- 04/03 “Secrets of the Forgotten Sense in Schizophrenia: Utilizing Olfaction to Understand Fronto-Limbic Networks.” The International Congress on Schizophrenia Research (ICOSR). Colorado Springs, CO.
- 02/04 “Olfactory System Dysfunction in Schizophrenia: From Behavior to Bench”. Grand Rounds, Department of Psychiatry, Temple University School of Medicine. Philadelphia, PA.
- 04/04 “Olfactory Dysfunction in Schizophrenia.” Symposium entitled “Olfaction in Neurodegenerative Disease”, 26th Annual Meeting of the

- Association for Chemoreception Sciences, Sarasota, FL.
- 05/04 “Neuropsychological Function in Parkinson’s and Alzheimer’s Disease”.
Second Annual PADRECC/MIRECC Symposium on
“Neurodegenerative Diseases: The Interface of Psychiatry and
Neurology”. Philadelphia, PA.
- 12/04 “Olfactory Dysfunction in Schizophrenia: A Model System to Investigate
Developmental Neuropathology”. Grand Rounds, Department of
Otorhinolaryngology: Head & Neck Surgery, University of
Pennsylvania School of Medicine. Philadelphia, PA.

Organizing Role in Scientific Meetings:

- 1997 Member, Program Committee, Twenty-Fifth Annual Meeting of the
International Neuropsychological Society, Orlando, FL.
- 1998 Member, Program Committee, Twenty-Sixth Annual Meeting of the
International Neuropsychological Society, Honolulu, HI.
- 2003 Member, Program Committee, Thirty-First Annual Meeting of the
International Neuropsychological Society, Honolulu, HI.
- 2003 Task Force Member, First Meeting of the International Task Force for
Mood, Behavioral, and Cognitive Disorders in Parkinson's Disease. Ischia,
Italy. May 23rd - 25th.

Bibliography:

Research Publications, peer-reviewed:

- Pearlson, G.D., Garbacz, D.J., Moberg, P.J., Ahn, H.S., & DePaulo, J.R. (1985).
Symptomatic, familial, perinatal and social correlates of CT changes in
schizophrenics and bipolars. Journal of Nervous and Mental Disease, 173,
42-50.
- Rabins, P.V., Brooks, B.R., O'Donnell, P., Pearlson, G.D., Moberg, P.J., Jubelt,
B., Coyle, P., Dalos, N., & Folstein, M.F. (1986). Structural brain
correlates of emotional and cognitive disorder in multiple sclerosis. Brain,
109(4), 585-597.
- Moberg, P.J., Pearlson, G.D., Speedie, L.J., Lipsey, J.R., Strauss, M.E., &
Folstein, S.E. (1987). Olfactory recognition: Differential impairments in
early and late Huntington's and Alzheimer's diseases. Journal of Clinical
and Experimental Neuropsychology, 9(6), 650-664.
- Pearlson, G.D., Rabins, P.V., Kim, W.S., Speedie, L.J., Moberg, P.J., Burns, A.,
& Bascom, M.J. (1989). Structural brain CT changes and cognitive
deficits in elderly depressives with and without reversible dementia
(‘pseudodementia’). Psychological Medicine, 19(3), 573-584.
- Pearlson, G.D., Kim, W.S., Kubos, K.L., Moberg, P.J., Jayaram, G., Bascom,
M.J., Chase, G.A., Goldfinger, A.D., & Tune, L.E. (1989). Ventricle-
brain ratio, computed tomographic density, and brain area in 50
schizophrenics. Archives of General Psychiatry, 46(8), 690-697.

- Moberg, P.J., & Lazarus, L.W. (1990). Psychotherapy of depression in the elderly. Psychiatric Annals, 20(2), 92-96.
- Raz, N., Millman, D.L., & Moberg, P.J. (1990). Auditory memory and age-related differences in two-tone frequency discrimination: Trace decay and interference. Experimental Aging Research, 15(1), 43-47.
- Sweet, J.J., & Moberg, P.J. (1990). A survey of practices and beliefs among ABPP and non-ABPP clinical neuropsychologists. The Clinical Neuropsychologist, 4(2), 101-120.
- Sweet, J.J., Moberg, P.J., & Tovian, S.M. (1990). Evaluation of Wechsler Adult Intelligence Scale-Revised premorbid IQ formulas in clinical populations. Psychological Assessment, 2(1), 41-44.
- Raz, N., Millman, D., & Moberg, P.J. (1990). On the mechanism of age-related differences in frequency discrimination with backward masking: Speed of processing or stimulus persistence? Psychology and Aging, 5(4), 475-481.
- Speedie, L.J., Rabins, P.V., Pearlson, G.D., & Moberg, P.J. (1990). Confrontation naming deficit in dementia of depression. Journal of Neuropsychiatry and Clinical Neurosciences, 2, 59-63.
- Raz, N., Moberg, P.J., & Millman, D. (1990). Effects of age and age-related differences in auditory information processing on fluid and crystallized intelligence. Personality and Individual Differences, 11(11), 1147-1152.
- Crosson, B., Sartor, K.J., Jenny, A.B., Nabors, N.A., & Moberg, P.J. (1993). Increased intrusions during verbal recall in traumatic and nontraumatic lesions of the temporal lobe. Neuropsychology, 7(2), 193-208.
- Kumar, A., Newberg, A., Alavi, A., Moberg, P. J., Berlin, J., Miller, D., Souder, E., Gur, R.E., & Gottlieb, G. (1994). MRI volumetric studies in Alzheimer's disease: Relationship to clinical and neuropsychological variables. American Journal of Geriatric Psychiatry, 2, 21-31.
- Lazarus, L.W., Moberg, P.J., Langsley, P.R., & Lingham, V.R. (1994). Methylphenidate and nortriptyline in the treatment of poststroke depression: A retrospective comparison. Archives of Physical Medicine and Rehabilitation, 75, 403-406.
- Cannon, T.D., Eyler-Zorrilla, L., Shtasel, D., Gur, R.E., Gur, R.C., Marco, E.J., Moberg, P.J., & Price, A. (1994). Neuropsychological functioning in siblings discordant for schizophrenia and in healthy volunteers. Archives of General Psychiatry, 51, 651-661.
- Holdnack, J.A., Moberg, P.J., Arnold, S.E., Gur, R.E., & Gur, R.C. (1994). MMPI characteristics in adults diagnosed with ADD: A preliminary report. International Journal of Neuroscience, 79, 47-58.
- Arnold, S.E., Gur, R.E., Shapiro, R.M., Fisher, K.R., Moberg, P.J., Gibney, M.R., Gur, R.C., Blackwell, P., & Trojanowski, J.Q. (1995). Prospective clinicopathologic studies of schizophrenia: Accrual and assessment. American Journal of Psychiatry, 152(5), 731-737.
- Arnold, S.E., Franz, B.R., Gur, R.C., Gur, R.E., Shapiro, R.M., Moberg, P.J., & Trojanowski, J.Q. (1995). Decreased neuron size in hippocampal subfields

- that mediate cortical-hippocampal interactions in schizophrenia. American Journal of Psychiatry, *152*(5), 738-748.
- Sweet, J.J., Westergaard, C., & Moberg, P.J. (1995). Managed care experiences of clinical neuropsychologists. The Clinical Neuropsychologist, *9*(3), 214-218.
- Holdnack, J.A., Moberg, P.J., Arnold, S.E., Gur, R.C., & Gur, R.E. (1995). Speed of processing and verbal learning deficits in adults diagnosed with attention deficit disorder. Neuropsychiatry, Neuropsychology, and Behavioral Neurology, *8*(4), 282-292.
- Arnold, S.E., Franz, B.R., Trojanowski, J.Q., Moberg, P.J., & Gur, R.E. (1996). Glial fibrillary acidic protein-immunoreactive astrocytosis in elderly patients with schizophrenia and dementia. Acta Neuropathologica, *91*, 269-277.
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- Sweet, J.J., Moberg, P.J., & Westergaard, C.K. (1996). Five year follow-up survey of practices and beliefs of clinical neuropsychologists. The Clinical Neuropsychologist, *10*(2), 202-221.
- Kareken, D.A., Moberg, P.J., & Gur, R.C. (1996). Proactive inhibition and semantic organization: Relationship to verbal memory in patients with schizophrenia. Journal of the International Neuropsychological Society, *2*, 1-8.
- Judd-Finkelstein, J.R., Cannon, T.D., Gur, R.E., Gur, R.C., & Moberg, P.J. (1997). Attentional dysfunctions in neuroleptic-naive and neuroleptic-withdrawn schizophrenic patients and their siblings. Journal of Abnormal Psychology, *106*(2), 203-212.
- Raymer, A.M., Moberg, P.J., Crosson, B., Nadeau, S., & Gonzalez-Rothi, L.J. (1997). Lexical-semantic deficits in two patients with dominant thalamic infarction. Neuropsychologia, *35*(2), 211-219.
- Moberg, P.J., Doty, R.L., Mahr, R.N., Meshulam, R.I., Arnold, S.E., Turetsky, B.I., & Gur, R.E. (1997). Olfactory identification in elderly schizophrenia and Alzheimer's disease. Neurobiology of Aging, *18*(2), 163-167.
- Moberg, P.J., & Doty, R.L. (1997). Olfactory function in Huntington's disease patients and at-risk offspring. International Journal of Neuroscience, *89*, 133-139.
- Moberg, P.J., Doty, R.L., Turetsky, B.I., Arnold, S.E., Mahr, R.N., Gur, R.C., Bilker, W., & Gur, R.E. (1997). Olfactory identification deficits in schizophrenia: Correlation with duration of illness. American Journal of Psychiatry, *154*(7), 1016-1018.
- Coleman, A. R., Moberg, P. J., Ragland, J. D., & Gur, R. C. (1997). Comparison of the Halstead-Reitan and Infra-Red Light Beam finger

- tappers. Assessment, 4(3), 271-280.
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- Moberg, P.J., & Raz, N. (1997). Aging and olfactory recognition memory: Effect of encoding strategies and cognitive abilities. International Journal of Neuroscience, 90(3-4), 277-292.
- Crosson, B., Moberg, P.J., Boone, J.R., Gonzalez-Rothi, L.J., & Raymer, A. (1997). Category-specific naming deficit for medical items and conditions after dominant thalamic and capsular hemorrhage. Brain and Language, 60, 407-442.
- Tan, V., Cheatle, M., Mackin, S., Moberg, P.J., & Esterhai, J.L. (1997). Goal setting as a predictor of return to work in a population of chronic musculoskeletal pain patients. International Journal of Neuroscience, 92(3-4), 161-170.
- Volkow, N.D., Gur, R.C., Wang, G.J., Fowler, J.S., Moberg, P.J., Ding, Y.S., Hitzemann, R., Smith, G., & Logan, J. (1998). Association between decline in brain dopamine activity with age and cognitive and motor impairment in healthy individuals. American Journal of Psychiatry, 155(3), 344-349.
- Kurtz, M.M., Moberg, P.J., & Gur, R.E. (1998). Aging and schizophrenia. Clinical Geriatrics, 6(6), 51-60.
- Volkow, N.D., Wang, G.J., Fowler, J.S., Ding, Y.S., Gur, R.C., Gatley, J.S., Logan, J., Moberg, P.J., Smith, G., & Pappas, N. (1998). Parallel loss of pre and postsynaptic dopamine markers in normal aging: Degeneration or reorganization? Annals of Neurology, 44, 143-147.
- Meshulam, R.I., Moberg, P.J., Mahr, R.N., & Doty, R.L. (1998). Olfaction in neurodegenerative disease: A meta-analysis of olfactory functioning in Alzheimer's and Parkinson's diseases. Archives of Neurology, 55, 84-90.
- Moberg, P.J., Doty, R.L., Turetsky, B.I., Arnold, S.E., Mahr, R.N., Gur, R.C., Bilker, W., & Gur, R.E. (1998). Olfactory identification abilities deteriorate in patients with schizophrenia, even for those with relatively recent onset [letter; reply]. American Journal of Psychiatry, 155(10), 1463-1464.
- Arnold, S.E., Smutzer, G.S., Trojanowski, J.Q., & Moberg, P.J. (1998). Cellular and molecular neuropathology of the olfactory epithelium and central olfactory pathways in Alzheimer's disease and schizophrenia. Annals of the New York Academy of Sciences, 855, 762-775.
- Coleman, A.R., Norstrand, J.A., Moberg, P.J., Kohler, C.G., Gur, R.C., & Gur, R.E. (1998). MMPI-2 characteristics of adults diagnosed with Attention Deficit Disorder. International Journal of Neuroscience, 96, 161-175.
- Erwin, R.J., Turetsky, B.I., Moberg, P.J., Gur, R.C., & Gur, R.E. (1998). P50 abnormalities in schizophrenia: Relationship to clinical and neuropsychological indices of attention. Schizophrenia Research, 33, 157-

167.

- Moberg, P.J., Agrin, R.N., Gur, R.E., Gur, R.C., Turetsky, B.I., & Doty, R.L. (1999). Olfactory dysfunction in schizophrenia: A qualitative and quantitative review. Neuropsychopharmacology, 21(3), 325-340.
- Turetsky, B.I., Moberg, P.J., Yousem, D.M., Doty, R.L., Arnold, S.E., Gur, R.E. (2000). Reduced olfactory bulb volume in patients with schizophrenia. American Journal of Psychiatry, 157(5), 828-830.
- Sweet, J., Moberg, P.J., & Suchy, Y. (2000). Ten-year follow-up survey of clinical neuropsychologists: Part I. Practices and beliefs. The Clinical Neuropsychologist, 14(1), 18-37.
- Sweet, J., Moberg, P.J., & Suchy, Y. (2000). Ten-year follow-up survey of clinical neuropsychologists: Part II. Private practice and economics. The Clinical Neuropsychologist, 14(4), 479-495.
- Moberg, P.J., Lazarus, L.W., Meshulam, R.I., Bilker, W., Lee Chuy, I., Neyman, I., & Markvart, V. (2001). Comparison of the standard and structured interview guide for the Hamilton Depression Rating Scale in depressed geriatric inpatients. American Journal of Geriatric Psychiatry, 9, 35-40.
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- Kohler, C.G., Moberg, P.J., Gur, R.E., O'Connor, M.J., Sperling, M.R., & Doty, R.L. (2001). Olfactory dysfunction in schizophrenia and temporal lobe epilepsy. Journal of Neuropsychiatry, Neuropsychology and Behavioral Neurology, 14(2), 83-88.
- Kurtz, M.M., Moberg, P.J., Harper Mozley, L., Hickey, T., Arnold, S.E., Bilker, W.B., & Gur, R.E. (2001). The relationship of cognitive impairment to functional status in elderly institutionalized patients with schizophrenia. International Journal of Geriatric Psychiatry, 16(6), 631-638.
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- Gur, R.C., Ragland, J.D., Moberg, P.J., Bilker, W.B., Kohler, C., Siegel, S.J., & Gur, R.E. (2001). Computerized Neurocognitive Scanning: II. The profile of schizophrenia. Neuropsychopharmacology, 25, 777-788.
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- Kurtz, M.M., Moberg, P.J., Mozley, L.H., Swanson, C.L., Gur, R.C., & Gur, R.E. (2001). Effectiveness of an attention- and memory-training program on neuropsychological deficits in schizophrenia. Journal of Neurologic

- Rehabilitation, 15(1), 75-80.
- Kurtz, M.M., Moberg, P.J., Gur, R.C., & Gur, R.E. (2002). Approaches to cognitive remediation of neuropsychological deficits in schizophrenia: A review and meta-analysis. Neuropsychology Review, 11(4), 197-210.
- McBride, T., Moberg, P.J., Arnold, S.E., Harper Mozley, L., Mahr, R.N., Gibney, M., Kumar, A., & Gur, R.E. (2002). Neuropsychological functioning in elderly patients with schizophrenia and Alzheimer's disease. Schizophrenia Research, 55(3), 217-227.
- Turetsky, B.I., Moberg, P.J., Mozley, L.H., Moelter, S.T., Agrin, R., Gur, R.C., & Gur, R.E. (2002). Memory-delineated subtypes of schizophrenia: Relationship to clinical, neuroanatomical, and neurophysiological measures. Neuropsychology, 16(4), 481-490.
- Turetsky, B.I., Moberg, P.J., Arnold, S.E., Doty, R.L., & Gur, R.E. (2003). Low olfactory bulb volume in first-degree relatives of patients with schizophrenia. American Journal of Psychiatry, 160, 703-708.
- Turetsky, B.I., Moberg, P.J., Owzar, K., Johnson, S.C., Doty, R.L., & Gur, R.E. (2003). Physiological impairment of olfactory stimulus processing in schizophrenia. Biological Psychiatry, 53, 403-411.
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- Moberg, P.J., & Turetsky, B.I. (2003). Scent of a disorder: Olfactory functioning in schizophrenia. Current Psychiatry Reports, 5(4), 311-319.
- Moberg, P.J., Arnold, S.E., Doty, R.L., Kohler, C., Kanes, S., Seigel, S., Gur, R.E. & Turetsky, B.I. (2003). Impairment of odor hedonics in men with schizophrenia. American Journal of Psychiatry, 160(10), 1784-1789.
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- Weintraub, D., Moberg, P.J., Duda, J.E., Katz, I.R., & Stern, M.B. (2003). Recognition and treatment of depression in Parkinson's disease. Journal of Geriatric Psychiatry and Neurology, 16(3), 178-183.
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- Culbertson, W.C., Moberg, P.J., Duda, J.E., Stern, M.B., & Weintraub, D. (2004). Assessing the executive function deficits of patients with Parkinson's disease: Utility of the Tower of London-Drexel. Assessment, 11(1), 27-39.

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None.

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Patents:

None