Bruce E. Wexler, MD

Education: Harvard College, BA American Government, *Magna Cum Laude*, 1969
Albert Einstein College of Medicine, MD, 1973
Anna Freud's Hampstead Clinic, visiting student, 1973
Queen Square Institute of Neurology, UCL, visiting student, 1973

Career:

1973-74	Intern in Medicine, Bronx Municipal Hospital Center, Albert Einstein College of Medicine
1974-76	Post-Doctoral Fellow and Resident in Psychiatry, Yale University
1976-77	Chief Resident, Clinical Research Unit, CT Mental Health Center
1977-78	Instructor in Psychiatry, Yale University; Research Psychiatrist, Clinical Research Unit, CT Mental Health Center
1978-84	Assistant Professor of Psychiatry, Yale University
1979-81	Associate Chief, Clinical Research Unit, CT Mental Health Center
1981-83	Staff Psychiatrist, Mental Hygiene Clinic, VA Med. Ctr., West Haven, CT
1983-89	Chief, Mental Hygiene Clinic, VA Med. Ctr., West Haven, CT
1984-2001	Associate Professor of Psychiatry, Yale University
1989-94	Director of the Outpatient Division, CT Mental Health Center.
1994-96	Psychiatrist, Hispanic Clinic, CT Mental Health Center
1994-	Director, Neurocognitive Assessment Lab, CT Mental Health Center
1999-	Coordinator of fMRI Studies, Yale University Department of Psychiatry
2000-	Medical Director for Psychiatric Rehabilitation, CT Mental Health Center
2001-2011	Professor of Psychiatry, Yale University
2008	Visiting Professor, Cognitive Science, Peking University (Fall semester)
2011-	Founder and Chief Scientist, C8 Sciences
2011 -	Professor Emeritus and Senior Research Scientist, Department of Psychiatry, Yale University

Board Certification: American Board of Psychiatry & Neurology, 1979

Professional Honors or Recognition:

Independent Scientist Award, National Institute of Mental Health, 1996-2009
Research Training Award, National Institute of Mental Health, 1977, 1978
Seymour Lustman Research Award, Yale University Department of Psychiatry, 1977
Brain and Culture selected as an "Outstanding Academic Title of 2007" by Choice Magazine
NIH Director's Award for High Impact, High Innovation Paradigm-Changing Medical Research, 2011
Kempf Award for outstanding contributions as researcher/mentor to psychobiological research in psychiatry, American Psychiatric Association, 2013
Education Innovation Award, International Symposium on Cognitive Research and Disabilities, 2017

Professional Service:

NIMH Grant Review Study Section, BBBP-5, 1999-2005
NIDCD RO3 review committee, repeated ad hoc reviewer, 2000- NIMH
IRG special emphasis review committees, Chair, 2001,2002,2004
NIHCD Consensus Panel, Co-Chair: Rehabilitation of Persons with Traumatic Brain Injury, 1997- 1998 *Ad Hoc* Grant Reviewer:
NIMH Division of Neuroscience and Behavioral Science Committee on Personality and Social Processes;
NIMH B/START Program
MacArthur Foundation
The Ontario Mental Health Foundation
The Wellcome Trust, London, England
Associate Editor, International Journal of eSports Research

Journal Referee:

Am J Diseases of Children; Am J Psychiatry, Annals of Neurol, Arch Gen Psychiatry, Biol Psychiatry, Biol Psychology, Cerebral Cortex, Gen Hospital Psychiatry, Ecotoxicology and Environmental Safety J Afffective Disorders, JAMA, J Nerv and Men Dis, J Neuroscience, New Eng J Med, Psychological Medicine, Psychiat Research, Magnetic Resonance Imaging, Schizophrenia Bull, Schizophrenia Research (and others)

Consultant: Gates Foundation, 2013; GE Brain Trust 2015; Kennedy Foundation Forum and Brain Futures 2015-present
President: International Association of Sports and Play in Young Children 2017-
Scientific Advisory Boards: Umano.org; Innosphere.com; BrainFutures.org; Center for Brain Health.

Community Service:

A Different Future: President and Founder, a non-government organization dedicated to helping to end the Israeli-Palestinian conflict by creating and amplifying voices of moderation and thereby reclaiming the public idea space from extremists. 2002 – 2014
Council of Religious Institutions of the Holy Land: consultant/facilitator, 2007—2013
Certified Autism Specialist: Advisory Board member, 2013-18
Center for Educational Improvement, National Association of Elementary School Principals: Advisory Council, 2013-18

Grant History for Last 15 Years:

Current Funding

Agency: NIMH
Grant Number: R01 MH095888-01A1
Grant Title: The Social Brain in Schizophrenia and Autism Spectrum Disorders **PI Name:** Michal Assaf
% Effort: 10%
Total Grant Amount: $
Total Yearly Amount: $
Yearly Direct Costs: $425,170
Grant Dates: 7/1/12 –6/30/22

Prior Funding:

Agency: NSF
Grant Number: 064234610
Grant Title: Computational Science for Improving Assessment of Executive Function in Children **PI Name:** Fillia Makedon
% Effort: 10%
Total Grant Amount: $3,360,036
Total Yearly Amount: $690,775
Yearly Direct Costs: $650,867
Grant Dates: 7/1/16–6/30/20

Agency: NIH
Grant Number: TR01 HD070821-01
Grant Title: Integrated Brain, Body and Social Intervention for ADHD **PI Name:** Bruce E. Wexler, MD and James Leckman, MD (Co-PIs)
% Effort: 40%
Total Grant Amount: $4,360,036
Total Yearly Amount: $1,005,368
Yearly Direct Costs: $650,867
Grant Dates: 11/1/11 –8/310/16

Agency: Roddenberry Foundation
Grant Title: Blended Cognitive Skills Training and Curricular Content Learning
PI Name: Bruce E. Wexler
% Effort: 10%
Total Grant Amount: $393,000
Total Yearly Amount: $350,000
Yearly Direct Costs: $310,000
Grant Dates: 8/1/14 – 12/31/16

Agency: NIMH
Grant Number: 5R01MH084079
Grant Title: fMRI During Simulated Social Interactions in Schizophrenia: Emotion and Cognition
PI Name: Bruce E. Wexler, MD **% Effort:** 35%
Total Grant Amount: $971,739
Total Yearly Amount: $332,556
Yearly Direct Costs: $221,688
Grant Dates: 7/15/09 –4/30/13

Agency: NIH/NIMH
Grant Number: 1RO1DK093924-01A1
Grant Title: Naltrexone for Antipsychotic Induced Weight Gain
PI Name: Cenk Tek
% Effort: 5%
Total Grant Amount: $ $2,748,234
Total Yearly Amount: $
Yearly Direct Costs: $
Grant Dates: 5/1/13 –6/30/17

Agency: NIMH
Grant Number: 1R01MH080048-01A2
Grant Title: Lifestyle Modifications to Reduce Weight and Related Morbidity in Mental Illness
PI Name: Cenk Tek, MD **%**
Effort: Co-Investigator, 7% **Total**
Grant Amount:
Total Yearly Amount: $680,100
Yearly Direct Costs: $480,635
Grant Dates: 5/1/09 - 4/30/2012

Agency: NIMH
Grant Number: R25 MH071240-01A1
Grant Title: Research Training in Chronic Mental Illness **PI**
Name: Bruce E. Wexler, MD
% Effort: 15%
Total Grant Amount: $1,061,203
Total Yearly Amount: $136,199
Yearly Direct Costs: $126,444
Grant Dates: 12/1/05 – 6/30/12

Agency: NIMH
Grant Number: RO1 MH 61493
Grant Title: Effects of Work Activity Augmented by Cognitive Training
PI Name: Morris Bell, PhD
% Effort: Co-Investigator, 10%
Total Grant Amount: $1,688,591
Total Yearly Amount: $395,029
Yearly Direct Costs: $289,356

Grant Dates: 5/15/00 – 6/30/12

Agency: NIDA
Grant Number: 3 R01 DA019039-04 S1
Grant Title: An fMRI Study of Gambling Urges in Pathological Gambling
PI Name: Marc Potenza, MD, PhD
% Effort: Co-Investigator, 10%
Total Grant Amount: $927,070
Total Yearly Amount: $204,331
Yearly Direct Costs: $150,000
Grant Dates: 12/1/05- 6/30/10

Agency: NIMH
Grant Number: KO2 MH01296
Grant Title: fMRI Studies of Emotion and Cognition **PI**
Name: Bruce Wexler, MD
% Effort: 80%
Total Grant Amount: $1,023,642
Total Yearly Amount: $112,185
Yearly Direct Costs: $103,875
Grant Dates: 9/15/96 – 6/30/10

Industry initiated grant: GSK
Grant Number: GT1 111777 (PI: Bruce Wexler) 7/1/08 – 5/1/10
Grant Title: Schizophrenia cognition study **PI**
Name: Bruce Wexler, MD
% Effort: 5%
Grant Dates: 7/1/08 –5/1/10

Agency: NIMH
Grant Number: R21 MH071853
Grant Title: fMRI of Cognitive Remediation Therapy in Schizophrenia **PI**
Name: Bruce Wexler, MD
% Effort: 25%
Total Grant Amount: $400,125
Total Yearly Amount: $218,250
Yearly Direct Costs: $150,000
Grant Dates: 7/1/04 –6/30/07

Agency: NIMH
Grant Number: RO1 MH 56642
Grant Title: Subtyping Schizophrenia with memory tests, MRI and fMRI **PI**
Name: Bruce Wexler, MD
% Effort: 20%
Total Grant Amount: $847,800
Total Yearly Amount: $211,950
Yearly Direct Costs: $150,000 **Grant**
Dates: 5/1/01 – 4/30/06

Agency: NIMH
Grant Number:
Grant Title: Cognitive Phenotypes of Schizophrenia **PI**
Name: Gerard Bruder, PhD
% Effort: Co-PI, 20%
Total Grant Amount: $3,218,094
Total Yearly Amount: $639,835

Yearly Direct Costs: $480,340
Grant Dates: 7/1/03-6/30/08

Agency: NIDA
Grant Number: RO1DA14039
Grant Title: Nicotinic Receptors and Cognitive Function in Schizophrenia
PI Name: Tony George, MD
% Effort: Co-Investigator, 10%
Total Grant Amount: $611,163 **Total**
Yearly Amount: $203,721
Yearly Direct Costs: $150,000
Grant Dates: 5/1/01 – 2/28/04

Grants as Mentor

Agency: American Psychiatric Association

Grant Number: Kempf Fund Award for Research in Psychobiological Psychiatry
Grant Title: Cognitive Training to Improve Early Visual Processing **PI**
Name: Toral Surti
% Effort: Mentor
Total Grant Amount: $ 21,500
Total Yearly Amount: $
Yearly Direct Costs: $21,500
Grant Dates: 7/1/13 –6/30/14

Agency: NIH
Grant Number: K23 MH 095830 Mentored Patient-Oriented Career Development Award
Grant Title: Computerized Cognitive Remediation for Geriatric Depression **PI**
Name: Sarah S. Morimoto
% Effort: Co-Mentor
Grant Dates: 8/2/2012 – 7/31/2017

Agency: NARSAD
Grant Number: Junior Investigator Award
Grant Title: Assessment and Treatment of Visual Processing Deficits in Schizophrenia **PI**
Name: Toral Surti
% Effort: Mentor
Total Grant Amount: $60,000
Total Yearly Amount: $30,000
Yearly Direct Costs: $30,000
Grant Dates: 1/15/13-1/14/15

Agency: NARSAD
Grant Number: Junior Investigator Award
Grant Title: NAD in the Treatment of Schizophrenia
PI Name: Cenk Tek
% Effort: Mentor
Total Grant Amount: $60,000
Total Yearly Amount: $30,000
Yearly Direct Costs: $30,000
Grant Dates: 7/1/09-6/30/11

Agency: NIMH
Grant Number: K08 MH069888
Grant Title: Neurocognitive Rehabilitation for Schizophrenia **PI Name:** Matt Kurtz PhD
% Effort: Mentor
Total Grant Amount: $749,579
Total Yearly Amount: $149,915
Yearly Direct Costs: $119,933
Grant Dates: 7/1/05-6/30/10

Agency: NARSAD
Grant Number: Junior Investigator Award
Grant Title: Neurocognitive rehabilitation for schizophrenia.
PI Name: Matthew Kurtz, PhD
% Effort: Mentor
Total Grant Amount: $60,000
Total Yearly Amount: $30,000 **Yearly Direct Costs:** $30,000 **Grant Dates:** 7/1/06-6/30/08.

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Peer Reviewed Original Research:

1. Wexler BE, Katzman R: Effects of dibutyryl cyclic AMP on tyrosine uptake and metabolism in neuroblastoma cultures. Experimental Cell Research 1975, 92:291-298. 1975.

2. Wexler BE, Heninger GR: Alterations in cerebral laterality during acute psychotic illness. Archives of General Psychiatry 1979, 3(6):278-288.

3. Wexler BE: Cerebral laterality and psychiatry: A review of the literature. American Journal of Psychiatry 1980, 137:279-291.

4. Wexler BE, Heninger GR: Effects of competing mental activity on perceptual asymmetry on a nonsense syllables dichotic listening test. Neuropsychologia 1980, 18:379-382.

5. Wexler BE, Halwes T, Heninger GR: Use of a statistical significance criterion in drawing inferences about hemispheric dominance for language function from dichotic listening data. Brain and Language 1981, 13:13-18.

6. Wexler BE, Halwes T: Right ear bias in the perception of loudness of pure tones. Neuropsychologia 1981, 19:147150.

7. Wexler BE, Halwes T: Increasing the power of dichotic methods: The fused rhymed words test. Neuropsychologia 1983, 21:59-66.

8. Wexler BE, Johnson D., Geller J., Gordon J: Group psychotherapy with schizophrenic patients, an example of the oneness group. International Journal of Group Psychotherapy 1984, 34:451-471.

9. Wexler BE, Halwes T.: Dichotic listening tests in studying brain-behavior relationships. Neuropsychologia 1985, 23:545-559.

10. Johnson D, Geller J, Gordon J, Wexler BE: Group Psychotherapy with schizophrenic patients: The pairing group. International Journal of Group Psychotherapy 1986, 36:79-100.

11. Wexler BE: A model of brain function: Its implications for psychiatric research. British Journal of Psychiatry 1986, 148:357-362.

12. Wexler BE: Alterations in cerebral laterality during acute psychotic illness: II. British Journal of Psychiatry 1986, 149:202-209.

13. Wexler BE, Schwartz GE, Warrenburg S, Servis M, Tarlatzis R: Effects of emotion on perceptual asymmetry: Interaction with personality. Neuropsychologia 1986, 24:699-710.

14. Wexler BE, Lipman A: Sex differences in change over time in perceptual asymmetry. Neuropsychologia 1988, 26:943-946.

15. Wexler BE, Mason JW, Giller EL: Possible subtypes of affective disorder suggested by cerebral laterality and testosterone: A preliminary study. Archives of General Psychiatry 1989, 46:429-433.

16. Altemus M, Wexler BE, Boulis N: Changes in perceptual asymmetry with the menstrual cycle. Neuropsychologia 1989, 27:233-40.

17. Altemus M, Wexler BE, Boulis N: Neuropsychological correlates of menstrual mood changes. Psychosomatic Medicine 1989, 51:329-336.

18. Wexler BE, King G: Within-modal and cross-modal consistency in the direction and magnitude of perceptual asymmetry. Neuropsychologia 1990, 28:71-80.

19. Wexler BE: Failure at task-specific regional brain activation: New conceptualization of a disease entity Journal of Neuropsychiatry and Clinical Neurosciences 1991, 3:94-98.

20. Wexler BE, Giller EL, Southwick S: Cerebral laterality, symptoms and diagnoses in psychotic patients. Biological Psychiatry 1991, 29:103-116.

21. Wexler BE, Goodman W: Cerebral laterality, perception of emotion, and treatment response in obsessive compulsive disorder. Biological Psychiatry. 1991, 29:900-908.

22. Wexler BE, Warrenburg S, Schwartz GE, Jamner LD: EMG and EEG responses to unconsciously processed emotionevoking stimuli. Neuropsychologia 1992, 30:1065-1079.

23. Wexler BE, Cicchetti DV: The outpatient treatment of depression: Implications of outcome research for clinical practice. Journal of Nervous and Mental Disease 1992, 180:277-286.

24. Bonanno GA, Wexler BE: The selective perception and recognition of single words from competing dichotic stimulus pairs. Journal of Consciousness and Cognition 1992, 1:241-264.

25. Wexler BE: Beyond the Kraepelinean dichotomy. Biological Psychiatry 1992, 31:539-541.

26. Ragland D, Goldberg T, Wexler BE, Torrey EF, Weinberger D: Dichotic listening in monozygotic twins discordant and concordant for schizophrenia. Schizophrenia Research 1992, 7:177-183.

27. Becker, DF, Doane, JA, Wexler, BE: Effects of emotion on perceptual asymmetry in adolescent inpatients with attention-deficit hyperactivity disorder. J American Academy of Child and Adolescent Psychiatry 1992, 32:318321.

28. Cicchetti DV, Showalter D, Wexler BE: A computer program for performing meta-analyses when the outcome variable is dichotomous: An application in neuropsychology. The Clinical Neuropsychologist 1992, 6:458-463.

29. Levick SE, Lorig T, Wexler BE, Gur RE, Gur RC, Schwartz GE: Asymmetrical visual deprivation; A technique to differentially influence lateral hemispheric function. Perception and Motor Skills 1993, 76:1363-1382.

30. Wexler BE, Levenson L, Warrenburg S, Price LH: Decreased perceptual sensitivity to emotion-evoking stimuli in depression. Psychiatry Research 1994, 51:127-138.

31. Sernyak MJ, Griffin RA, Johnson RM, Pearsall HR, Wexler BE, Woods SW: Neuroleptic exposure following inpatient treatment of acute mania with lithium and neuroleptic. American Journal of Psychiatry 1994, 151:133135.

32. Docherty NM, Sledge WH, Wexler BE: Affective reactivity of language in stable schizophrenic outpatients and their parents. Journal of Nervous and Mental Disease 1994, 182:313-318.

33. Huey E, Wexler BE: Abnormalities in rapid automatic aspects of attention in schizophrenia: Blunted inhibition of return. Schizophrenia Research. 1994, 14:57-63.

34. Grosh ES, Docherty NM, Wexler BE: Abnormal laterality in schizophrenics and their parents. Schizophrenia Research 1995, 14:155-160.

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37. Docherty NM, Grosh ES, Wexler BE. Affective Reactivity of Cognitive Functioning and Family History in Schizophrenia. Biological Psychiatry. 1996, 39:59-64.

38. Yazgan MY, Leckman JF, Wexler BE. A direct observational measure of whole body turning bias. Cortex. 1996, 32:173-176.

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44. Wexler BE, Stevens, AA, Bowers, AA, Sernyak MJ, Goldman-Rakic PS: Word and tone working memory deficits in schizophrenia. Archives of General Psychiatry 1998, 55:1093-1096.

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61. Kurtz MM, Wexler BE, Bell MD. The Penn Conditional Exclusion Test (PCET): relationship to the Wisconsin Card Sorting Test and work function in patients with schizophrenia. Schizophrenia Research, 2004, 68:95-102

62. Bruder GE, Wexler BE, Sage MM, Gil RB, Gorman JM. Verbal memory in schizophrenia: Additional evidence of subtypes having different cognitive deficits. Schizophrenia Research, 2004, 68:137-147.

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64. Bell MD, Fiszdon J, Bryson G, Wexler BE. Effects of neurocognitive enhancement therapy in schizophrenia: Normalisation of memory performance. Cognitive Neuropsychiatry, 2004, 9:199-211.

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