ERIC M WEXLER M.D., PH.D.

EDUCATION:

1985-1989	**Vassar College.** *A.B.* Biochemistry, Poughkeepsie NY
1991-1998	**Albert Einstein College of Medicine.** *Ph.D.,* Neuroscience;, Bronx, NY
1989-1998	**Albert Einstein College of Medicine.** *M.D.*, Bronx, NY
1998-2002	**Stanford University Medical Center**. *Resident*; Department of Psychiatry & Behavioral Science, Stanford, CA
2001-2003	**Stanford University.** *Postdoctoral Fellow*; Psychopharmacology research, Departments of Psychiatry and Neurosurgery
2003-2004	**Palo Alto Veterans Hospital/MIRECC.** *Postdoctoral Fellow*; Aging-research
2005	**University of California Los Angeles.** *Postdoctoral Fellow*; Neurogenetics

PROFESSIONAL ACTIVITIES:

General outpatient psychiatry:

Guided by the principles of evidence-based medicine, I treat a broad range of psychiatric disorders, with substantial clinical experience managing complex neuropsychiatric syndromes, particularly in those individuals with a coexisting neurologic, rheumatologic or medical illnesses.

Forensic Evaluations: [recent cases of note]

In 2013 I was engaged by the British Government's Financial Conduct Authority (equivalent to the S.E.C) to evaluate a principal figure in the *Keydata* scandal, the largest financial fraud case in post-war Britain.

International Clinical Examinations:

I am regularly consulted to evaluate highly-complex patients who are foreign nationals currently residing in their native countries. During the preceding 12 month I have clinically examined individuals from Italy, Israel, Australia, Norway, England, Korea and Canada.

Visual Media Consulting:

- Consulting expert to *Dexter; Ambient Digital Media/Showtime Networks*
- Script advisor (pre-production); Far Hills Pictures. Venice CA, USA.
- Clinical advisor to documentary *"Dare to Be" (Våg å være);* Mattima Films, Norway.
- Consulting expert to *Dr. Drew's Celebrity Rehab,* Pasedena CA, USA.

Insurance & Disability:

Independent Medical Evaluations (IME) and record reviews for MSLA and Sedgwick CMS, servicing clients that include Southern California Edison and Los Angeles County Employees retirement system (LACERS)

PAST APPOINTMENTS & CLINICAL ACTIVITIES

2006-2012 *Assistant Professor*: Semel Institute: Center for Neurobehavioral Genetics and Division of Geriatric Psychiatry, Department of Psychiatry, David Geffen School of Medicine, University of California Los Angeles, Los Angeles, CA

2005-2012 Attending adult outpatient psychiatry clinic, Department of Psychiatry and Behavioral Science, University of California Los Angeles, Los Angeles, CA

2005-2012 Geriatric Psychiatry Attending, Resnick Neuropsychiatric Hospital, University of California Los Angeles, Los Angeles, CA

2005-2012 Attending psychiatrist for UCLA Huntington's Disease Center of Excellence. Department of Neurology. University of California Los Angeles, Los Angeles, CA

2005-2012 Attending psychiatrist to the Neurogenetics Clinic, Department of Neurology, University of California Los Angeles, Los Angeles, CA

2004-2006 *Clinical Instructor*: Department of Psychiatry and Behavioral Science, David Geffen School of Medicine, University of California Los Angeles, Los Angeles, CA

2002-2004 *Attending Psychiatrist*: Psychiatric Emergency Services, San Francisco General Hospital University of California: San Francisco

2000-2002 *Psychiatrist*: Schuman-Liles Clinic: Fremont CA

PROFESSIONAL CERTIFICATIONS:

1999- California Medical License: #A69685

1999- DEA License: #Bw6493631, XW6493631

2004- Diplomate in psychiatry: #53505, American Board of Psychiatry & Neurology

2014- Qualified Medical Examiner; California

Editorial & Review Service:

2002-present Ad Hoc reviewer for *Cell, Cerebral Cortex, Neuron, Journal of Geriatric Psychiatry, Molecular & Cellular Neuroscience, Biological Psychiatry, Neurobiology of Disease, Clinical Psychiatry, and Stem Cells*

Research & Development grant reviewer; Neurobiology Panel, Department of Veterans Affairs 2012-present

RESEARCH AWARDS:

J.D.French Foundation for Alzheimer's Research 2008-2012
Development of transgenic human neural stem cells as a model of Alzheimers dementia
Role: Principle Investigator

California Institute of Regenerative Medicine 2011-2014
Regeneration of Functional Human Corneal Epithelial Progenitor Cells
Role: Coinvestigator

National Institutes of Health NIMH-K08MH74362 2006-2011
Role of Wnt Signaling in Adult Hippocampal Progenitor Cell Development
Role: Principle Investigator

National Alliance for Research on Schizophrenia and Depression 2002-2006
Effects Of Lithium/Wnt on Adult Neural Stem Cells
Role: Principle Investigator

APIRE/Wyeth M.D., Ph.D. Research Award 2002-2004
Effects of Mood Stabilizers In Human Neural Stem Cells
Role: Principle Investigator

T32MH019938 Biobehavioral research training grant 2001-2003
(Alan Schatzberg M.D. & Theo Palmer Ph.D.);
Stanford University Medical Center, Stanford, CA
Role: Postdoctoral Fellow

Mental Illness Research, Education and Clinical Center fellowship 2003-2004
Sierra Pacific MIRECC (Jerome Yeavage M.D.)
Palo Alto Veterans Hospital, Palo Alto, CA
Role: Postdoctoral Fellow

T32NS048004 Neurobehavioral genetics training grant 2004-2005
Departments of Psychiatry and Neurology (Daniel Geschwind M.D., Ph.D.)
University of California Los Angeles, Los Angeles, CA
Role: Postdoctoral Fellow

TEACHING:

"After the Love is Gone - Keeping Your Client's Career from Ruin" 2013

Neurogenesis and it role in the etiology and treatment of major depression. UCLA Psychiatry resident didactic series in neurobiology. 2013

Death and Rebirth: Insights from analysis of transcriptional time-series data. Neurobehavioral Genetics Affinity Seminar. UCLA Brain Research Institute (BRI). 2012

Diagnosing and managing headache in the elderly psychiatric population. Advanced Geriatric Psychiatry Seminar UCLA 2012

Wnt1 network analysis implicates canonical signaling in progranulin mediated frontotemporal dementia. International Wnt signaling meeting 2011 (Los Angeles)

The Evolving Interface Between Neuropsychiatry and Basic Neuroscience (Course leader NS211); David Geffen School of Medicine UCLA 2010

Dementia and the role of Wnt signaling. BRI UCLA 2010

Management strategies for neuropsychiatric disease Advanced Geriatric Psychiatry Seminar UCLA 2010

The Evolving Interface Between Neuropsychiatry and Basic Neuroscience (Course leader NS211); David Geffen School of Medicine UCLA 2009

Atypical dementias: Advanced Geriatric Psychiatry Seminar UCLA 2009

Managing inherited neuropsychiatric disease Advanced Geriatric Psychiatry Seminar UCLA 2008

Early and rapid-onset dementias: Advanced Geriatric Psychiatry Seminar series UCLA 2007

Psychiatric manifestations Huntington's Disease and related disorders: Current and future strategies for treatment Combined UCLA Departments of Neurology and Neurosurgery, Neuroscience Grand Rounds, November 10, 2007

Neuropsychiatric Aspects of Huntington's Disease: Neuropsychiatric Institute Grand Rounds October 30, 2007, Los Angeles CA

Mood Stabilizers and Neurogenesis: Mental Retardation Research Center Symposium. 2007 Lake Arrowhead, CA

NATIONAL AND INTERNATIONAL PRESENTATIONS:

Wexler E, Rosen E, Geschwind D. Altered canonical Wnt signaling implicated in progranulin-mediated frontotemporal dementia 2010 Neuroscience Meeting Planner San Diego, CA Society for Neuroscience; 2010.

Rosen E, **Wexler E**, Versano R, Coppola G, Gao F, Oldham M, et al. Wnt signaling - Altered in PGRN mediated neuronal death and FTD 2010 Neuroscience Meeting Planner San Diego, CA Society for Neuroscience; 2010.

Konopka G, **Wexler E**, Rosen E, Chen L, Osborn G, Lu D, et al. Modeling the functional genomics of autism using human neurons 2010 Neuroscience Meeting Planner San Diego, CA Society for Neuroscience; 2010.

Prescription Usage For Treatment Of Irritability, Perseverative Behaviors, And Chorea. Mark Groves, M.D., Erik van Duijn, M.D., David Craufurd, M.D., Karen Anderson, M.D., Mark Guttman, M.D., **Eric Wexler**, M.D., Ph.D, Susan Perlman, M.D., Adam Rosenblatt, M.D., Dan van Kammen, M.D., Joe Giuliano, Jean-Marc Burgunder, M.D. LaVonne Goodman, M.D. Huntington's Disease. European Huntington's Dis-ease Network Meeting (Pargue) J Neurol Neurosurg Psychiatry September 2010 Vol 81 Suppl 1 pA43

Delphi process for the development of consensus treatment guidelines for Huntington's disease Mark Groves, M.D., Erik van Duijn, M.D., David Craufurd, M.D., Karen Anderson, M.D., Mark Guttman, M.D., **Eric Wexler**, M.D., Ph.D, Susan Perlman, M.D., Adam Rosenblatt, M.D., Dan van Kammen, M.D., Joe Giuliano, Jean-Marc Burgunder, M.D. LaVonne Goodman, M.D. (HD World Congress, Vancouver, B.C. 2009)

Diverse Autocrine/Paracrine Wnt Signals Modulate Adult Neurogenesis, **EM Wexler**, TD Palmer, & DH Geschwind Society for Neuroscience 2007, San Diego CA

Coppola G, Engelhardt M, Suberlak MN, **Wexler EM**, Santos M, Pandolfo M, et al. Functional genomic analysis of Friedreich's ataxia pathogenesis in vivo and in vitro. *Neurology*. 2007;68(12):A80-A Coppola G, Engelhardt M, Suberlak MN, **Wexler EM**, Santos M, Miranda CJ, et al. Functional genomic analysis of Fricdreich's ataxia pathogenesis in vivo and in vitro. *Annals of Neurology*. 2007;62:S24-S.

Pang IH, **Wexler EM**, Walters RJ, Reyes M, Reyes A, Shade DL, et al. Protective effects of eliprodil in retinal and neuronal cells and tissues. *Society for Neuroscience Abstracts*. 1996;22(1-3):1279.

Berkovich O, **Wexler E**, Nawy S. BDNF promotes survival of cultured retinal bipolar cells via a multi-receptor pathway. *Society for Neuroscience Abstracts*. 1996;22(1-3):998.

Wexler E, Stanton PK, Nawy S. Multiple kinases differentially modulate GABAergic conductances in cultured retinal neurons. *Society for Neuroscience Abstracts*. 1995;21(1-3):1840.

Wexler EM, Stanton PK. Prior synaptic activity enhances the induction of long-term depression (LTD) in hippocampus. *Society for Neuroscience Abstracts*. 1992;18(1-2):1351.

Wexler E, Kava R, West DB, Vonderporten A, Greenwood MRC. Effects of high-fat and sucrose diets on glucose-tolerance of obese wistar fatty and zucker fatty rats. *Faseb Journal*. 1988;2(5):A1222-A.

BIBLIOGRAPHY

Published Research Papers: Peer Reviewed:

Fogel BL, **Wexler E**, Wahnich A, Friedrich T, Vijayendran C, Gao F, Parikshak N, Konopka G, Geschwind DH. *RBFOX1 Regulates Both Splicing and Transcriptional Networks in Human Neuronal Development*. Hum. Mol. Genet. 2012 Oct 1;21(19):4171-86

Konopka G, **Wexler E**, Rosen E, Mukamel Z, Osborn GE, Chen L, et al. Modeling the functional genomics of autism using human neurons. [Cover Article] *Mol Psychiatry*, 2012 Feb;17(2):202-14

Eric M Wexler and Brent Fogel (2011) Psychosis in Spinocerebellar Ataxia Type 10. Am J Psychiatry. 2011 Dec 1;168(12):1339-40

Wexler EM, Rosen E, Lu D, Osborn GE, Martin E, Raybould H, et al. Genome-wide analysis of a wnt1-regulated transcriptional network implicates neurodegenerative pathways. *Science Signal.* 2011;4(193):ra65.

Rosen EY, **Wexler EM**, Versano R, Coppola G, Gao F, Winden KD, et al. Functional genomic analyses identify pathways dysregulated by progranulin deficiency, implicating wnt signaling. *Neuron*. 2011;71(6):1030-42.

Nakano I, Joshi K, Visnyei K, Hu B, Watanabe M, Lam D, **Wexler E**, Saigusa K, Nakamura Y, Laks DR, Mischel PS, Viapiano M, Kornblum HI Siomycin A targets brain tumor stem cells partially through a MELK-mediated pathway. *Neuro Oncol.* 2011;13(6):622-34.

Mukamel Z, Konopka G, **Wexler E**, Osborn GE, Dong H, Bergman MY, et al. Regulation of MET by FOXP2, Genes Implicated in Higher Cognitive Dysfunction and Autism Risk. *J Neurosci.* 2011;31(32):11437-42.

Wexler EM, Paucer A, Kornblum HI, Palmer TD, Geschwind DH. Endogenous Wnt signaling maintains neural progenitor cell potency. *Stem Cells*. 2009;27(5):1130-41.

Wexler EM, Geschwind DH, Palmer TD. Lithium regulates adult hippocampal progenitor development through canonical Wnt pathway activation. [Cover Article] *Mol Psychiatry*. 2008;13(3):285-92.

Coppola G, Choi SH, Santos MM, Miranda CJ, Tentler D, **Wexler EM**, et al. Gene expression profiling in frataxin deficient mice: microarray evidence for significant expression changes without detectable neurodegeneration. *Neurobiol Dis*. 2006;22(2):302-11.

Dougherty JD, Garcia AD, Nakano I, Livingstone M, Norris B, Polakiewicz R, **Wexler EM**, Sofroniew MV, Kornblum HI, Geschwind DH. PBK/TOPK, a proliferating neural progenitor-specific mitogen-activated protein kinase kinase. *J. Neurosci.* 2005;25(46):10773.

Pang IH, **Wexler EM**, Nawy S, DeSantis L, Kapin MA. Protection by eliprodil against excitotoxicity in cultured rat retinal ganglion cells. *Investigative Ophthalmology & Visual Science*. 1999;40(6):1170.

Wexler EM, Stanton PK, Nawy S. Nitric oxide depresses GABAA receptor function via coactivation of cGMP-dependent kinase and phosphodiesterase. *Journal of Neuroscience*. 1998;18(7):2342.

Wexler EM, Berkovich O, Nawy S. Role of the low-affinity NGF receptor (p75) in survival of retinal bipolar cells. *Visual Neuroscience*. 1998;15(2):211.

Wexler EM, Stanton PK. Priming of homosynaptic long-term depression in hippocampus by previous synaptic activity. *Neuroreport*. 1993;4(5):591.

Research Papers in preparation or review:

Jason L. Stein, Luis de la Torre-Ubieta, Yuan Tian1, Neelroop N. Parikshak, Dylan K. Baker, Daning Lu, Jennifer K. Lowe, Eric M. Wexler, Daniel H. Geschwind (Neuron *in review*) Functional genomics

framework to evaluate in vitro neural stem cell models demonstrates primary human neural progenitors extensively recapitulate human cortical development

Tova F. Fuller, Roel A. Ophoff,, Chaochao Cai, Peter Langfelder, Stanley T. Parish, **Eric M. Wexler**, Dan Geschwind, Gil Atzmon,, Nir Barzilai,, Aviv Bergman, Leonard H. van den Berg, Giovanni Coppola, Rita B. Effros,, Steve Horvath, *Genes and pathways mediating human aging*

Wexler E., Lu D., Mathews E, Gao F., Coppola G., and Geschwind D.H Mood stabilizers lithium and valproic acid activate complementary neurodevelopmental programs.

Reviews & Book Chapters:

Eric Wexler Treating the psychiatric complications of neurodegenerative disease — Invited review in *Neurologic Clinics* (Elsevier *in press November 2013*)

EM Wexler and DH Geschwind DISC1: a schizophrenia gene with multiple personalities. *Neuron* 2011 Nov 17;72(4):501-3.

E.M. Wexler (2011) Cell based therapies - gene therapy/stem cell therapy in the future for degenerative disorders in Principles and Practice of Geriatric Psychiatry 3e", Wiley-Blackwell.

Wexler EM, Geschwind DH. Out FOXing Parkinson disease: where development meets neurodegeneration. *PLoS Biol*. 2007;5(12):e334. PMCID: 2140089.

Wexler E. Markers of adult neural stem cells. *Methods Mol Biol*. 2008;438:243-68.

Wexler E, Palmer T. Where, oh where, have my stem cells gone? *Trends Neurosci*. 2002;25(5):225-7.

E.M. Wexler *Development and Electrophysiology of Cultured Mammalian Retinal Interneurons*. (1997). Doctoral Thesis

Stanton PK, **Wexler EM**, Velisek L, Hedberg T. Long-Term Depression Of Synaptic Transmission: Cellular Mechanisms And Regulation By Previous Synaptic History. In: Baudry M, Davis JL, editors. Long-term potentiation, volume 2. Cambridge, Mass.: MIT Press; 1994. p. 169-86.