

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

2730 Wilshire blvd. Suite 325
Santa Monica, CA90403
ewexler@modernbrains.com
FAX: 1-310-919-1919
TEL: 310-744-5102
www.EricWexlerMD.com

EDUCATION:

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

PROFESSIONAL APPOINTMENTS:

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

CLINICAL ACTIVITIES:

- 2005- Attending adult outpatient psychiatry clinic, UCLA

- 2005- Geriatric Psychiatry Attending, Resnick Neuropsychiatric Hospital, UCLA
2005- Consulting psychiatrist for UCLA Huntington's Disease Center of Excellence
2005- Consulting psychiatrist to the Neurogenetics Clinic, Department of Neurology

Editorial 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 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:

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

Eric M. Wexler M.D., Ph.D.

Curriculum Vitae

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 MEETING 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 Friedreich'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:

Brent L. Fogel, **Eric Wexler**, Amanda Wahnich, Chandran Vijayendran, Tara Friedrich1, Fuying Gao, Neelroop Parikshak, Genevieve Konopka1, Daniel H. Geschwind RBFOX1 Regulates Both Splicing and Transcriptional Networks in Human Neuronal Development. Human Molecular Genetics 2012 (*in press*)

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:

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, (2012 PLOS Biology *in review*): Genes and pathways mediating human aging

Wexler E., Lu D., Mathews E, Gao F., Coppola G., and Geschwind D.H (2012) Mood stabilizers lithium and valproic acid activate complementary neurodevelopmental programs. (2012 Molecular Psychiatry *in review*):

Reviews & Book Chapters:

Eric Wexler Treating the psychiatric complications of neurodegenerative disease – Invited review in *Neurologic Clinics* (Elsevier *in press* 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. PMID: 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.