

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



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## EDUCATION:

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

## PROFESSIONAL ACTIVITIES:

### General Adult & Geriatric Outpatient Psychiatry:

2015-Present: *Medical Director - Resilience Treatment Center*, a CBT/DBT-based comprehensive PHP/IOP for patients with psychiatric primary diagnoses

2013-Present: *Private Practice* - 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 Consulting Expert: [recent cases of note]

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.

2015: I advised the California Dept. of Transportation (defendant) in a highly complex case of catastrophic brain injury that involved intervening neuropharmacologic issues and pre-existing psychopathology

2016-7: Provided expert testimony on behalf of a large health care system (plaintiff) regarding determination of medical necessity claims of several dozen separate patients.

### Insurance & Disability (Workers Compensation):

2014-present: Qualified Medical Evaluator (QME; California) and Independent Medical Evaluator (IME)

### Visual Media and other Consulting:

- Consulting expert *Homeland*, Fox Studios, Century City, CA USA
- Clinical advisor to documentary "*Dare to Be*" (*Våg å være*); Mattima Films, Norway.
- Consulting expert to *Dexter*; *Ambient Digital Media/Showtime Networks*
- Consulting expert to *Dr. Drew's Celebrity Rehab*, Pasadena CA, USA.
- Consulting expert on the development of international guideline for the treatment of Huntington's disease, a fatal neurodegenerative condition.
- Clinical consultant to *Cochrane Reviews* in psychopharmacology of bipolar affective disorder:

## BIOGRAPHY

Dr. Wexler, a recognized expert in psychopharmacology and neuropsychiatry for over 10 years, specializes in the treatment of Bipolar disorder, ADHD and OCD. Early in his academic career he graduated Phi Beta Kappa from Vassar College with a degree in biochemistry. During medical school at the Albert Einstein College of Medicine he undertook research into nerve cell development and neurotransmitter function, for which he was awarded both a medical degree (M.D.) and a doctorate in neurobiology (Ph.D.). He next completed his residency in the Department of Psychiatry and Behavioral Science at Stanford University. He received his primary psychotherapy training with Dr. David Burns, best-selling author and the first popularize cognitive-behavioral therapy and C. Barr Taylor, author of the APA textbook on evidence based psychiatry. He then pursued specialized fellowship training in psychopharmacology and neuronal regeneration at Stanford under the auspices of Dr. Alan Schatzberg, former American Psychiatric Association president and coauthor of the official APA textbook of psychopharmacology. During this period he also served as an attending physician in the emergency department of San Francisco General Hospital/UCSF. He later completed a research fellowship in neurobehavioral genetics at UCLA, before joining the full-time academic faculty at the UCLA David Geffen School Of Medicine, in the division of geriatric psychiatry and the center for neurobehavioral genetics.

Prior to entering private practice Dr. Wexler, a board-certified psychiatrist and qualified medical examiner, was engaged in both clinic care and basic science research at the UCLA School of Medicine. There his clinical activities included an outpatient clinic that emphasizes mood and impulse control disorders, providing psychiatric consultation for patients with often rare, inherited or autoimmune forms of neurodegeneration. (e.g. patients in the UCLA Huntington's Disease Center of Excellence) and attending on the inpatient geriatric psychiatry unit at the UCLA-Resnick Neuropsychiatric Hospital. Complementing these clinical efforts, his research agenda focused on the following areas: (1) Understanding the molecular mechanisms underlying the effectiveness of common mood stabilizers like lithium. (2) Developing novel experimental models of neuropsychiatric disease (e.g. dementia or autism), primarily using human neural stem cells. (3) Developing and applying novel network ("big data") analytic methods to the problem of understanding the signals that govern early nerve cell development, and how these contribute to brain dysfunction. In addition, he has provided discreet consultation services to individual or organization in the television, print media, legal and investment banking communities.

## PAST APPOINTMENTS & CLINICAL ACTIVITIES

### ***Neuropsychiatry & Geriatrics: neurodegeneration specialist***

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

### ***Emergency Psychiatry***

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

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

**Basic Science: brain development, genomics, psychopharmacology & “big data analysis”**

2006-2013 *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

**General psychiatry**

2005-2012 Attending adult outpatient psychiatry clinic, Department of Psychiatry and Behavioral Science, 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

**PROFESSIONAL CERTIFICATIONS:**

1999- California Medical License: #A69685  
 1999- DEA License: #Bw6493631, XW6493631 (Center for Substance Abuse Treatment)  
 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:**

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

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

National Institutes of Health NIMH-Ko8MH74362 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

<u>T32MH019938 Biobehavioral research training grant</u> (Alan Schatzberg M.D. & Theo Palmer Ph.D.); Stanford University Medical Center, Stanford, CA Role: Postdoctoral Fellow	2001-2003
<u>Mental Illness Research, Education and Clinical Center fellowship</u> Sierra Pacific MIRECC (Jerome Yeavage M.D.) Palo Alto Veterans Hospital, Palo Alto, CA Role: Postdoctoral Fellow	2003-2004
<u>T32NS048004 Neurobehavioral genetics training grant</u> Departments of Psychiatry and Neurology (Daniel Geschwind M.D., Ph.D.) University of California Los Angeles, Los Angeles, CA Role: Postdoctoral Fellow	2004-2005

## **BIBLIOGRAPHY**

### **Published Research Papers: Peer Reviewed:**

Natasha W. Hanners, Jennifer L. Eitson, Noriyoshi Usui, R. Blake Richardson, **Eric M. Wexler**, Genevieve Konopka, John W. Schoggins. Western Zika Virus in Human Fetal Neural Progenitors Persists Long Term with Partial Cytopathic and Limited Immunogenic Effects. *Cell Reports* 2016, Volume 15 , Issue 11 , 2315 – 2322

Jason L. Stein, Luis de la Torre-Ubieta, Yuan Tian<sup>1</sup>, Neelroop N. Parikshak, Dylan K. Baker, Daning Lu, Jennifer K. Lowe, **Eric M. Wexler**, Daniel H. Geschwind Functional genomics framework to evaluate in vitro neural stem cell models demonstrates primary human neural progenitors extensively recapitulate human cortical development *Neuron*. 2014 Jul 2;83(1):69-86

**Wexler E.** Clinical neurogenetics: behavioral management of inherited neurodegenerative disease. *Neurol Clin*. 2013 Nov;31(4):1121-44.

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. Genetics*. 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:**

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** Clinical neurogenetics: behavioral management of inherited neurodegenerative disease. *Neurol Clin*. 2013 Nov;31(4):1121-44.

**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.

**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 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.

**TEACHING:**

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

*Neurogenesis and its 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

### **Deposition testimony in past 4 years**

Berndtson, Angela VS. Park Place Village

Blaylock, Karen VS. State Of California, Department Of Motor Vehicles,

Brown, Kina VS. Department Of Social Services

Chavez, Ana VS. Palmdale Regional Medical Center

Espejo, Miguel VS. Quest Diagnostics

Flores, Jose VS. All Around, Inc.,

Frias, Evangelina Vs Waterway Plastics

Gentle, Robby VS. Parking Concepts Inc.

Jones, Rodger VS. County Of Ventura

Martinez, Filomeno VS. Oxnard Union High School District

Mateo, Honoria VS. Labcorp

Olivares, Martha VS. Whole Foods Market

Ortiz, Leonardo VS. Progressive Environmental Industries

Poehler, Glenda VS. Guernsey Coating Laboratories

Preston, Gwenette Vs Antelope Valley Community College District

Rayas, Jacqueline VS. Harbor Freight Tools Usa, Inc.

Rodriguez, Alfredo VS. Sa Recycling  
UCLA vs. United Behavioral Health (aggregated)  
UCLA vs. Blue Shield Of California (aggregated)  
Vasquez, Manuel VS. Sun Hill Properties, Inc.  
Wells, Timothy VS. Southern California Gas Company  
West, Sharon VS. Vons Companies Inc.  
Yancey, Carmelia VS. Lowe's Home Centers  
Yun, Harry VS. Costco  
Zavaleta, Samuel VS. Conifer Value Based Care, Llc.  
Zhang, Zhan VS. Hokkaido Seafood Buffet