

## Curriculum Vitae

Date Prepared:	3/15/2024
Name:	Walter Dunn, M.D., Ph.D.
Titles:	Health Sciences Assistant Clinical Professor, Dept of Psychiatry, UCLA
	Greater Los Angeles VA, Staff Psychiatrist

### Education

2000	B.A.	Molecular Biology	UC Berkeley
2005	Ph.D.	Biochemistry	UC Berkeley
2010	M.D.	Medicine	UC Davis School of Medicine

### Clinical Positions

Section Chief, Mood Disorders	West Los Angeles VA Medical Center
Director, Mood Disorders Clinic	West Los Angeles VA Medical Center
Director, Interventional Psychiatry Service	West Los Angeles VA Medical Center
Medical Co-Director, UCLA Operation Mend	University of California Los Angeles, School of Medicine
Faculty Director, UCLA Psychiatry Residency Neuromodulation Concentration	UCLA Semel Institute for Neuroscience and Human Behavior
Associate Director, UCLA Psychiatry CME Program	UCLA Semel Institute for Neuroscience and Human Behavior
Staff Psychiatrist, Trauma Recovery Services	West Los Angeles VA Medical Center
Attending Physician, UCLA Psychosis Clinic	University of California Los Angeles, School of Medicine

### Committee Service

VA Psychiatry Department Steering Committee	West LA VA Medical Center
VA Psychiatry Department Data Committee	West LA VA Medical Center
FDA Psychopharmacologic Drugs Advisory Committee	US Food and Drugs Administration (FDA)
Scientific Committee	International Society for CNS Clinical Trials and Methodology (ISCTM)

New Investigators Award Committee	American Society for Clinical Psychopharmacology
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### **Honors and Awards**

2020	2020 ASCP New Investigator Award	American Society of Clinical Psychopharmacology (ASCP)	Career development award
2016	2016 CDI research training program	Career Development Institute for Psychiatry (CDI)	Career development and mentoring program
2016	2016 ISCTM 12 <sup>th</sup> Annual Scientific Meeting Distinguished Poster Award	The International Society for CNS Clinical Trials and Methodology	Research poster presentation award
2016	2016 ISCTM New Investigator Award	The International Society for CNS Clinical Trials and Methodology	Career development award
2013	UCSF California-Wide Psychiatry Research Resident Retreat Travel Award	UCSF California-Wide Psychiatry Research Conference	Travel Award
2007	Medical Student Research Fellowship	University of California Davis School of Medicine	
2005	UC Berkeley School of Public Health Margaret Beattie Award for Excellence in Laboratory Sciences	UC Berkeley School of Public Health	Research Achievement
2005	Cytomegalovirus/Beta-Herpesvirus Workshop Travel Honorarium	2005 Cytomegalovirus /Beta-Herpesvirus Workshop	Oral research presentation
2003	Herpesvirus Workshop Conference Travel Award	28 <sup>th</sup> International Herpesvirus Workshop	Oral research presentation
2001	University of California AIDS Research Program Travel Scholarship	2001	Travel Award

## Publications

### Research Investigations/Reviews

1. Breier A, Buchanan RW, D'Souza D, Nuechterlein K, Marder S, **Dunn W**, Preskorn S, Macaluso M. et al. *Herpes simplex virus 1 infection and valacyclovir treatment in schizophrenia: Results from the VISTA study*. Schizophr Res. 2019 Apr;206: 291-299.
2. Kantrowitz JT, Swerdlow NR, **Dunn W**, Vinogradov S., *Auditory System Target Engagement During Plasticity-Based Interventions in Schizophrenia: A Focus on Modulation of N-Methyl-D-Aspartate-Type Glutamate Receptor Function*. Biol Psychiatry Cogn Neurosci Neuroimaging. 2018 Jul;3(7):581-590. doi: 10.1016/j.bpsc.2018.02.002.
3. Rassovsky Y, **Dunn W**, Wynn JK, Wu AD, Iacoboni M, Hellemann G, Green MF., *Single transcranial direct current stimulation in schizophrenia: Randomized, cross-over study of neurocognition, social cognition, ERPs, and side effects*. PLoS One. 2018 May 7;13(5):e0197023. doi: 10.1371/journal.pone.0197023
4. **Dunn, W.**, Rassovsky ,Y.D. Wynn, J.K., Wu, A. D., Iacoboni, M., Hellemann, G., Green, M.F., *The effect of bilateral transcranial direct current stimulation on early auditory processing in schizophrenia: a preliminary study*. J Neural Transm. (2017), DOI 10.1007/s00702-017-1752-5.
5. **Dunn, W.**, Rassovsky ,Y.D. Wynn, J.K., Wu, A. D., Iacoboni, M., Hellemann, G., Green, M.F., *Modulation of Neurophysiological Auditory Processing Measures by Bilateral Transcranial Direct Current Stimulation in Schizophrenia*. Schizophr Res. (2016), 10.1016/j.schres.2016.04.021.
6. Jog, M.V., Smith, R., Jann, K., **Dunn, W.**, Wu, A. D., Wang, D. J., *In-Vivo Mapping of Electric Currents Induced by Transcranial Direct Current Stimulation (tDCS) in Human Brain using MRI*. Sci Rep. 2016 Oct 4;6:34385. doi: 10.1038/srep34385.
7. Rassovsky ,Y.D., **Dunn, W.**, Wynn, J.K., Wu, A. D., Iacoboni, M., Hellemann, G., Green, M.F., *The Effect of Transcranial Direct Current Stimulation on Social Cognition in Schizophrenia: A Preliminary Study*. Schizophr Res. 2015 Jul; 165(2-3):171-4.
8. **Dunn, W.**, Marder SR. *Novel Treatments of Psychosis*. Curr Behav Neurosci Rep. 2015 Jan 28.
9. **Dunn, W.**, Duraine G, Reddi AH. *Profiling microRNA expression in bovine articular cartilage and implications for mechanotransduction*. Arthritis Rheum. 2009 Jul 30;60 (8):2333-2339.

10. Fannin Rider PJ, **Dunn W**, Yang E, Liu F., *Human Cytomegalovirus microRNAs*. Current Topics Microbiology Immunology. 2008; 325:21-39.
11. Yang S, Ghanny S, Wang W, Galante A, **Dunn W**, Liu F, Soteropoulos P, Zhu H. *Using DNA microarray to study human cytomegalovirus gene expression*. J Virol Methods. 2006 Feb;131(2):202-208.
12. Netterwald J, Yang S, Wang W, Ghanny S, Cody M, Soteropoulos P, Tian B, **Dunn W**, Liu F, Zhu H. *Two gamma interferon-activated site-like elements in the human cytomegalovirus major immediate-early promoter/enhancer are important for viral replication*. J Virol. 2005 Apr;79(8):5035-5046.
13. **Dunn, W.**, Trang, P., Zhong, Q., Yang, E., Vanbelle, C., Liu, F., *Human cytomegalovirus expresses novel microRNAs during productive viral infection*. Cellular Microbiology, 2005.7(11): p.1684-95.
14. **Dunn, W.**, Chou, C., Hong, L., Hai, R., Patterson, D., Stolc, V., Zhu, H., Liu, F., *Functional profiling of human Cytomegalovirus genome*. Proc Natl Acad Sci U S A, 2003. 100(24): p. 14223-14228.
15. Zhou, T., Kim, J., Kilani, A. F., Kim, K., **Dunn, W.**, Jo, S., Nepomuceno, E. Liu, F., *In vitro selection of external guide sequences for directing RNase P-mediated inhibition of viral gene expression*. J Biol Chem, 2002. **277**(33): p. 30112-20.
16. Lee M, Abenes G, Zhan X, **Dunn W**, Haghjoo E, Tong T, Tam A, Chan K, Liu F. *Genetic analyses of gene function and pathogenesis of murine cytomegalovirus by transposon-mediated mutagenesis*. J Clin Virol. 2002 Aug;25 Suppl 2:S111-22.
17. **Dunn, W.**, Trang, P., Khan, U., Zhu, J., Liu, F., *RNase P-mediated inhibition of cytomegalovirus protease expression and viral DNA encapsidation by oligonucleotide external guide sequences*. Proc Natl Acad Sci U S A, 2001. **98**(26): p. 14831-6.
18. Lee, M., Xiao, J., Haghjoo, E., Zhan, X., Abenes, G., Tuong, T., **Dunn, W.**, Liu, F., *Murine cytomegalovirus containing a mutation at open reading frame M37 is severely attenuated in growth and virulence in vivo*. J Virol, 2000. **74**(23): p. 11099-107.

### **Abstracts, Poster Presentations and Exhibits at Professional Meetings**

1. **Dunn, W.**, Rassovsky ,Y.D. Wynn, J.K., Wu, A. D., Iacoboni, M., Hellemann, G., Green, M.F., *The Effect of Bilateral Transcranial Direct Current Stimulation on Tone Matching Task Performance and Mismatch Negativity in Schizophrenia*, 16<sup>th</sup> Annual International Congress on Schizophrenia Research. 2017, San Diego, CA.
2. **Dunn, W.**, Rassovsky ,Y.D. Wynn, J.K., Wu, A. D., Iacoboni, M., Hellemann, G., Green, M.F., *Mismatch Negativity and P300: Biomarkers of Target Engagement for Transcranial Direct Current Stimulation in Schizophrenia*, 12<sup>th</sup> Annual ISCTM Scientific Meeting. 2016, Washington D.C.
3. **Dunn, W.**, Rassovsky ,Y.D. Wynn, J.K., Wu, A. D., Iacoboni, M., Hellemann, G., Green, M.F., *The Effect of Bilateral Transcranial Direct Current Stimulation on Mismatch Negativity and P300 in Schizophrenia*, 15<sup>th</sup> Annual International Congress on Schizophrenia Research. 2015, Colorado Springs, Co.
4. Rassovsky ,Y.D., **Dunn, W.**, Wynn, J.K., Wu, A. D., Iacoboni, M., Hellemann, G., Green, M.F., *The Effect of Transcranial Direct Current Stimulation on Social Cognition in Schizophrenia: A Preliminary Study*. 15<sup>th</sup> Annual International Congress on Schizophrenia Research. 2015, Colorado Springs, Co.
5. Mayank, Jog, Robert Smith, Kay Jann, **Walter Dunn**, Allan Wu and Danny JJ Wang, *In-vivo Mapping of transcranial Direct Current Stimulation (tDCS) of Human Brain using MRI*, Joint Annual Meeting ISMRM-ESMRMB, May 10-16 2014; Milan Italy.
6. Joshua E. Amano, Kenneth L. Subotnik, Joseph Ventura, Denise Gretchen-Doorly, Laurie R. Casaus, John S. Luo, Stephen R. Marder, Gerhard S. Hellemann, **Walter Dunn**, Keith H. Nuechterlein, *Oral and Long-Acting Injectable Risperidone: Relationships Among Medication Plasma Levels, Adherence, and Clinical Outcome in Schizophrenia Patients Shortly After the Initial Psychotic Episode*, 8<sup>th</sup> International Conference on Early Psychosis, Oct 11-13, 2012; San Francisco, CA
7. Tannaz Moin, MD, MBA; **Walter Dunn, MD, PhD**, Randall Espinoza, MD, Andre Van Herle, MD and Stanley Korenman, MD, *Aripiprazole for Dual Treatment of Psychosis and Prolactinoma: A Case Report*, ENDO 2011: The Endocrine Society 93<sup>rd</sup> Annual Meeting, June 4-7, 2011
8. **Dunn W**, Duraine G, Reddi AH.,*MicroRNA Expression Profiling of Articular Cartilage*, UC Davis School of Medicine 3rd Annual Medical Student Research and Poster Forum, 2008
9. **Dunn, W.**, Trang, P., Zhong, Q., Yang, E., Vanbelle, C., Bai, Y., Liu, F., *Human cytomegalovirus expresses novel microRNAs during productive viral infection*, International Cytomegalovirus/Beta Herpesvirus Workshop, April 2005
10. **Dunn, W.**, Zhu, H., Liu, F., *Microarray analysis of a HCMV mutant with a deletion in a retinal pigment epithelial cell-specific temperance factor*. 29<sup>th</sup> International Herpesvirus Workshop, 2004.
11. **Dunn, W.**, Hong, L., Chou, C., Patterson, D., Hai, R., Stolc, V., Zhu, H., Liu, F. *Functional profiling of a human cytomegalovirus genome*, 28<sup>th</sup> International Herpesvirus Workshop, 2003.
12. **Dunn, W.**, Hong, L., Chou, C., Patterson, D., Hai, R., *Functional analysis of human cytomegalovirus genome*, 27<sup>th</sup> International Herpesvirus Workshop, 2002
13. **Dunn, W.**, Trang, P., Khan, U., Zhu, J., Liu, F, *RNase P- mediated inhibition of cytomegalovirus by oligonucleotide external guide sequences*, RNA Meeting, 2001

**Invited Presentations**

2024	<i>Evolving Paradigms in Mental Health: Psychedelics and Ketamine</i> , Southern California Kaiser Permanente 2024 Psychiatry Symposium, March 8, 2024, Anaheim, CA
2024	<i>Navigating New Frontiers in Psychiatry: The Prospects and Complexities of Ketamine and Psychedelic Therapies</i> , Olive View-UCLA Medical Center Psychiatry Grand Rounds, Jan 4, 2024, Los Angeles, CA
2023	<i>Psychedelic Medicine: Potential, Opportunities, Challenges</i> , UCLA Health Operation Mend, Board of Advisors Meeting, Nov 11, 2023, New York City, NY
2023	<i>Modern Medicine's Rediscovery of Psychedelics: Historical Context, Therapeutic Potential, and Regulatory Implications</i> , UCLA Health System, Conference on Novel Approaches in Integrative Medicine, Nov 3, 2023, Los Angeles, CA
2023	<i>Clinical Trials Design in Psychedelic Studies and Regulatory Issues</i> , National Association of Veterans' Research and Education Foundations, VA Research Week 2023 Second Annual: Dialogues on Psychedelics, May 18, 2023.
2023	<i>Evidence and Clinical Considerations for Ketamine and Esketamine</i> , Los Angeles Department of Mental Health, Quarterly Meeting CME Presentation, March 2, 2023, Los Angeles, CA
2023	<i>Digital Therapeutic for PTSD Nightmares</i> , Greater Los Angeles VA, Mental Health Journal Club, Feb 2, 2023, Los Angeles, CA
2022	<i>Psychedelics</i> , UCLA East-West Medicine, July 15 <sup>th</sup> , 2022, Los Angeles, CA
2022	<i>Psychedelic Assisted Therapies</i> , Greater Los Angeles VA, VA Bridges Research Grand Rounds, June 15, 2022, Los Angeles, CA
2022	<i>Exploring Psychedelics &amp; Entactogens to Treat Psychiatric Disorders</i> , National Academies of Sciences, Engineering, and Medicine. Panelist Speaker, March 29-30, 2022.
2021	<i>Understanding and Treating Negative Symptoms in Schizophrenia</i> , Psychiatry Grand Rounds, Jul 16 <sup>th</sup> , 2021, Kaiser Permanente Oakland, CA
2021	<i>Update on New Treatments in Psychiatry</i> , Psychiatry Grand Rounds, Feb 19 <sup>th</sup> , 2021, Kaiser Permanente Oakland, CA
2020	<i>Understanding Military Culture to Provide Culturally Competent Care</i> Psychiatry Grand Rounds, Nov 18, 2020, SUNY Downstate Health Sciences University
2019	<i>New Treatments for Tardive Dyskinesia</i> Grand Rounds, June 11, 2019, UCLA Semel Institute for Neuroscience and Human Behavior
2017	<i>Military Culture Competency</i> 14th Annual Integrated Care Conference, Universal City, CA
2017	<i>Neural Substrates of Auditory Plasticity</i> Society of Biological Psychiatry 72 <sup>nd</sup> Annual Scientific Convention, San Diego, CA
2016	<i>Transcranial Direct Current Stimulation (tDCS): Research and Clinical</i>

	<i>Applications</i> , Division Presentation, May 9, 2016 Neuromodulation Division, UCLA
2015	<i>Neuromodulation in Psychiatry</i> , Grand Rounds Department of Psychiatry, VA West Los Angeles Medical Center
2013	<i>Dissociative Disorder vs. Psychosis</i> , Psychiatry Morbidity & Mortality Case Conference, UCLA Psychiatry Residency
2013	<i>Dissociative Disorder vs. Psychosis</i> , Grand Rounds Department of Psychiatry, VA West Los Angeles Medical Center
2008	<i>MicroRNA Expression Profiling of Articular Cartilage</i> , (selected oral presentation), Western Student Medical Research Forum, Monterey, CA
2005	<i>Human cytomegalovirus expresses novel microRNAs during productive viral infection</i> , (selected oral presentation), International Cytomegalovirus/Beta Herpesvirus Workshop, Williamsburg, VA.
2003	<i>Functional profiling of a human cytomegalovirus genome</i> , (selected oral presentation), 28 <sup>th</sup> International Herpesvirus Workshop, Madison, Wisc.

### **Book Chapters**

1. Marder, S and **Dunn, W** (2021) *Serotonin-Dopamine Drugs* In: Boland-Kaplan and Sadock Comprehensive Textbook of Psychiatry, 11<sup>th</sup> Edition
2. Marder, S and Dunn W (2021) *Dopamine Partial Agonists* In: Boland-Kaplan and Sadock Comprehensive Textbook of Psychiatry, 11<sup>th</sup> Edition
3. Fears, S and **Dunn, W** (2019) *Bipolar Disorder*. In: Rosenberg's Molecular and Genetic Basis of Neurological and Psychiatric Disease, Sixth Edition.
4. Veterans Health Administration PBM Academic Detailing Service, *Treatment Strategy for TRD: Glutamatergic Agents, Treatment Strategy for TRD: Brain Stimulation. Treatment Resistant Depression Combating Treatment Resistant Depression (TRD) in Veterans with Major Depressive Disorder, A VA Clinician's Guide.* Veterans Health Administration, November 2019; 15-22.
5. **Dunn, W.** and Liu, F., (2004) *RNase P-Mediated Inhibition of Viral Growth by Exogenous Administration of Short Oligonucleotide External Guide Sequence*. In: Ribozymes and siRNA Protocols Second Edition. (Sioud, M.) 2<sup>nd</sup>. Humana Press.