

Marc H. Shomer, MD, PhD, QME

Adjunct Associate Professor of Ophthalmology
Keck School of Medicine at USC

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DATE OF BIRTH November 19, 1969: Cambridge, Massachusetts

EDUCATION

07/05 to 06/08	Residency, Jules Stein Eye Institute at the UCLA Geffen School of Medicine
07/04 to 06/05	Internship, Department of Medicine, White Memorial Medical Center, Los Angeles California
09/95 to 06/04	Geffen School of Medicine, UCLA Doctor of Medicine*, Los Angeles California
09/97 to 05/02	Department of Neuroscience, UCLA Doctor of Philosophy*, Los Angeles California *combined M.D., Ph.D. degrees as part of the Medical Scientist Training Program
09/92 to 06/95	Department of Neuroscience, UCLA Bachelor of Science, Los Angeles California

BOARD CERTIFICATION

American Board of Ophthalmology Certified 2011, Recertified 2021

LICENSURE

California Medical License

Nevada Medical License

HONORS AND ACADEMIC ACHIEVEMENTS

2025	Qualified Medical Evaluator
2011	Doctor of Excellence 2011: Leading Physicians of the World
2004	National Eye Institute Travel Grant
2004	California Legislature Assembly Certificate of Recognition
2004	UCLA Alumni Association Outstanding Graduate Student Award
2000	National Research Service Award (National Institute of Health)
1997	Hoffman Memorial Scholarship
1995	Graduating Class Commencement Speaker
1995	<i>Phi Beta Kappa</i> Honors Society
1995	<i>Summa Cum Laude</i>
1995	Departmental Highest Honors in Neuroscience
1995	College Honors
1994	Presidents Undergraduate Research Fellowship
1994	Howard Hughes Fellowship
1994	College of Letters and Science Undergraduate Student Award
1994	Distinguished Scholar Award and Alumni Scholar
1994	Richard Carlton Meeker Jr. Honors Scholarship
1994	Irving and Jean Stone Research Award
1993	College Honors Research Stipend
1992	<i>Psi Chi</i> National Honors Society in Psychology (President)
1992	Golden Key National Honors Society

ACADEMIC APPOINTMENTS

12/2009 – present Adjunct Associate Professor of Ophthalmology, Keck School of Medicine at USC

HOSPITAL & SURGERY CENTER AFFILIATIONS

2015 – present	Archibald Surgery Center
2010 – present	Mid Valley Surgery Center
2010 – present	Ontario Advanced Surgery center
2009 – present	Los Angeles General Medical Center, Department of Ophthalmology

EMPLOYMENT

4/2010-present	Private practice comprehensive ophthalmology, Upland California
7/2008-9/2010	MD EyeCare, private practice ophthalmology, Orange California

EXPERT WITNESS EXPERIENCE

2026	Murillo v. Lyft & Hernandez. Defense. Atty. Erin Hallisy. Deposition; trial pending.
2025	Danielle Shaffer v. Florida Farm Bureau Insurance Company. Defense. Saalfeld Shad, P.A.
2023	Rentsch v. CalMat; Vulcan Materials. Defense. Yoka & Smith, LLP. Deposition.
2022	State v. Antillon, Case No. FSB19002225. Prosecution. Testified in court.
2021	Davidson v. GZ&S. Defense. Atty. Charles J. Schmitt, Esq.
2018	Woods, Jr. Defense. Atty. Eric H. Schweitzer.
2014	Ransom v. Feinerman. Plaintiff. Hunt & Adams, Inc.
2013	Ophthalmic malpractice matter. Plaintiff. Atty. Steve Zelig.
2013	People v. Rhodes. Defense. Atty. Eric H. Schweitzer. Testified.
2011	Luz Elena Ruano. Atty. John Adams.

INVITED SPEAKER

5/17/2026	Inland Empire Optometric Society Annual Continuing Education Seminar – Beyond Visual Acuity: Cataract Surgery and Brain Health
2/24/2009	Rio Hondo Optometric Association
5/16/2009	Saint Joseph Hospital – Day of Ophthalmology

CLINICAL TRIALS

Sub PI: Study: Abbvie 3070-301-001, Site: 10056, July 23, 2020-Jan 18, 2025, Drug: Cariprizine

Sub PI: Study: NovoNordisk NN9535-4352, Oct. 4, 2018- Nov 6, 2027, Drug: Semaglutide

PI: Study Moderna 1083 Study of COVID/Flu combination vaccine, 2023

PI: Study Moderna 1010 Study of COVID/Flu combination vaccine, 2023

PI: Parexel Study GoEyes NSR Study Protocol QAD-079 1800Contacts, 2021

RESEARCH EXPERIENCE

3/03 to 6/07	Lynn K. Gordon, M.D., Ph.D. Department of Ophthalmology, UCLA School of Medicine: Injury-induced neurogenesis in the adult mammalian retina.
2/97 to 5/02	Marie-Françoise Chesselet, M.D., Ph.D. Department of Neurology, UCLA School of Medicine, Mechanisms of Axonal Sprouting in the Adult Striatum (dissertation laboratory)
06/96 to 2/97	Arthur Toga, Ph.D., Department of Neurology, UCLA School of Medicine, characterization of neurovascular coupling kinetics using optical intrinsic signaling
10/92 to 09/95	Charles L. Wilson, Ph.D., Department of Neurology, UCLA School of Medicine, neurophysiological mechanisms of nitric oxide in complex partial epilepsy
07/90 to 10/92	John C. Liebeskind, Ph.D., Department of Psychology, UCLA, investigation of reward behavior and genetics displayed by mice bred for high and low swim stress-induced analgesia
09/92 to 07/93	Winston Salser, Ph.D., Molecular Biology Institute, UCLA, investigation of mice transgenic for a human mutant beta-actin gene

CONSULTING

2004- 2010	Kaplan Educational Center, Pre-health admissions consultant
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SERVICE

2025-present	Keck School of Medicine at USC Admissions Committee
2010-present	EyeCare America volunteer
2003-2005	Vision in School Program, teaching elementary school children about the eye
2000-2002	UCLA Medical School and MSTP Admissions Committee voting member
1995-2000	Volunteer medical school interviewer
1999-2001	Graduate Student Representative, Student Conduct Committee
1999-2001	Academic Senate Counsel on Research
1995-present	Volunteer at health fairs and free clinics for children and adults
1995-1997	UCLA School of Medicine Honors Committee

AFFILIATIONS

2010-	San Bernardino Medical Association
2009-	Los Angeles County USC Hospital Attending
2008-	American Society of Cataract and Refractive Surgery

2008-	California Medical Association
2005-	American Academy of Ophthalmology
2005-	California Academy of Eye Physicians and Surgeons
2003-2005	Association for Research in Vision and Ophthalmology (ARVO)
1997-2004	Society for Neuroscience
1995-	<i>Phi Beta Kappa</i>
1992-	American Association for the Advancement of Science

TEACHING EXPERIENCE

Spring, 1997	tutor for medical school Neurology and Neuroanatomy
Fall, 1996	teaching assistant for neurobiology, Paul O'Lague, Ph.D., Biology 171
Spring, 1995	teaching assistant for molecular biology, Paul O'Lague, Ph.D., Biology 100B
Winter, 1995	teaching assistant for developmental molec. bio., Lianna Johnson, Bio 100A
Fall, 1994	teaching assistant for neurobiology, Paul O'Lague, Ph.D., Biology 171
1993-1994	chemistry tutor for Academic Advancement Program, UCLA
Summer 1992	student intern, Hawthorne Community Medical Group
1991-1992	science tutor at the Offices of Disabled Students Services at Pierce College
1991-1992	tutor at Los Angeles Valley College Office for Students With Disabilities
1990-present	private tutoring in all levels of math, chemistry, and physics

PRESENTATIONS

1. Vision Science 2003, Shomer MH, Kwong JMK, Caprioli J, and Gordon LK. Neurogenesis in the adult rat retina after intra-ocular NMDA lesion. Lake Arrowhead, CA.
2. Society for Neuroscience 2001, Shomer MH, and Chesselet M-F. Lesion-specific upregulation of nogo-A mRNA in adult brain. San Diego, California.
3. Society for Neuroscience 2000, Shomer MH, and Chesselet M-F. Differential gene expression in dorsolateral striatum following cortical lesions that do or do not induce axonal sprouting. New Orleans, Louisiana.
4. Society for Neuroscience 1994, Shomer MH, Wilson CL, Maidment NT, Behnke EJ, Velasco AL, Engel J Jr., and Fried I. Citrulline increase during temporal lobe seizures supports the role of nitric oxide formation in epilepsy: an in-vivo microdialysis study. Miami Beach, Florida.
5. American Epilepsy Society, 1994. Wilson CL, Shomer MH, Maidment NT, Behnke EJ, Velasco AL, Engel J Jr., and Fried I. Ictal and interictal correlation of in-vivo microdialysis and neuronal activity of hippocampal formation and amygdala in complex partial epilepsy. New Orleans, Louisiana.
6. Society for Neuroscience 1994. Mogil JS, Shomer MH, Chang WC, Kao B, and Liebeskind JC. Inverse genetic correlation between morphine analgesia and hyperlocomotion in mice selectively bred for stress-induced analgesia. Washington, DC.

PUBLICATIONS

1. Chesselet M-F, Carmichael ST, Shomer M, Harris D, and Riban V. Axonal sprouting in the adult brain: mechanisms of lesion-specific sprouting of the corticostriatal pathway in adult rats. *Synaptic Plasticity: Basic Mechanisms to Clinical Applications*. pg. 75, 2005
2. Shomer MH, Dissertation Thesis. *The Role Of Extrinsic Factors In The Regulation Of Axonal Sprouting In Adult Brain*®. May 20, 2002.
3. Cannestra AF, Pouratian N, Shomer MH, and Toga AW. Refractory periods observed by intrinsic signal and fluorescent dye imaging. *Journal of Neurophysiol.* 80:1522-32, 1998
4. Wilson CL, Maidment NT, Shomer MH, Behnke EJ, Engel J, and Fried I. Comparison of seizure related amino acid release in human epileptic hippocampus versus a chronic, kainate rat model of hippocampal epilepsy. *Epilepsy Research.* 26:245-254, 1996
5. Shomer MH and Wilson CL. Nitric oxide formation and excitatory amino acids in complex partial epilepsy: an in-vivo microdialysis study in conscious subjects. *UCLA Undergraduate Science Journal.* 10:23-29, 1994

6. Shomer MH. No Pain, More Gain. Research Editorial, *UCLA Health and Wellness Letter*, 1:14, 1994

ABSTRACTS

1. Shomer MH, Kwong JMK, Caprioli J, and Gordon LK. Neurogenesis in the adult rat retina after intra-ocular NMDA lesion. ARVO, 2004.
2. Shomer MH, and Chesselet M-F. Lesion-specific upregulation of nogo-A mRNA in adult brain. Society for Neuroscience, 2001.
3. Shomer MH, and Chesselet M-F. Differential gene expression in dorsolateral striatum following cortical lesions that do or do not induce axonal sprouting. Society for Neuroscience, 2000.
4. Behnke EJ, Wilson CL, Fried I, Maidment NT, Shomer MH, and Engle J Jr. In-vivo microdialysis, field potential, and single unit recording in human hippocampus. Soc. for Neurosci, 1995
5. Shomer MH, Wilson CL, Maidment NT, Behnke EJ, Velasco AL, Engel J Jr., and Fried I. Citrulline increase during temporal lobe seizures supports the role of nitric oxide formation in epilepsy: an *in-vivo* microdialysis study.” Soc. for Neurosci. 593.8: pg. 1453, 1994
6. Wilson CL, Maidment NT, Behnke EJ, Shomer MH, Velasco AL, Engel J Jr., and Fried I. Ictal and interictal correlation of in-vivo microdialysis and neuronal activity of hippocampal formation and amygdala in complex partial epilepsy. American Epilepsy Society, 1994
7. Velasco AL, Wilson CL, Colder BW, Shomer MH, Behnke EJ, Khan SU, and Engel J, Jr. Relationship between interictal EEG spike, neuronal synchrony, and functional limbic pathways. Soc. for Neurosci. 593.3:1449, 1994
8. Velasco AL, Wilson CL, Colder BW, Behnke EJ, Shomer MH, Khan SU, and Engel J, Jr. Synchrony in interictal EEG spiking and unit activity in patients with complex partial seizures. Amer. Epilepsy Soc., 1994
9. Mogil JS, Shomer MH, Chang WC, Kao B, and Liebeskind JC. Inverse genetic correlation between morphine analgesia and hyperlocomotion in mice selectively bred for stress-induced analgesia. Society for Neuroscience. 732.11: pg. 1786, 1993

ACKNOWLEDGMENTS

1. Mogil JS, Sternberg WF, Kest B, Marek P, and Liebeskind JC. Sex differences in the antagonism of swim stress-induced analgesia: effects of gonadectomy and estrogen replacement. *Pain*. 53: 17-25, 1993
2. Marek P, Mogil JS, Sternberg WF, Panocka I, and Liebeskind JC. N- Methyl-D-aspartic acid receptor antagonist MK-801 blocks non-opioid stress-induced analgesia. II. Comparison across three swim-stress paradigms in selectively bred mice. *Brain Research*. 576: 197-203, 1992