

HEATHER S. OLIFF, Ph.D.

Curriculum Vitae

Personal Data

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Education

1999-2005 Core Curriculum Certification, American Medical Writers Association
1992-1995 Ph.D., Pharmacology and Toxicology, Emphasis in Neuroscience
Dept. of Pharmacology, University of California, Irvine, CA (UCI)
1991-1992 M.S. Student, Department of Pharmacology,
Hahnemann University, Philadelphia, PA (HU)
1987-1991 B.S., Department of Biological Sciences,
University of Southern California, Los Angeles, CA (USC)

Professional Experience

12/22-Pres. Freelance Regulatory Writer, Artelo Biosciences, Cheshire, UK
5/22-12/22 Freelance Patient Ed Writer, Atlantis Heath, Millburn, New Jersey
6/21-12/22 Freelance Regulatory Writer, ImmunogenX Inc, Newport Beach, CA
6/18-Pres. Freelance Writer, Endo Pharmaceuticals, Malvern, PA
6/18-10/19 Freelance Regulatory Writer, Aerie Pharmaceuticals, Irvine, CA
6/18-9/19 Freelance Writer, Glaukos Corp, San Clemente, CA
7/17-1/19 Freelance Writer, Sommetrics, Vista, CA
5/17-12/20 Freelance Writer, Presbia, Irvine, CA
4/17-Pres. Freelance Writer, Johnson & Johnson Vision, SA, CA
1/17-Pres. Writer, ProUnlimited, Boca Raton, FL
8/16-Pres. Freelance Regulatory Writer, Kite Pharma, Santa Monica, CA
1/16-1/19 Freelance Writer, Mallinckrodt, Hazelwood, MO
12/15-12/16 Freelance Writer, MedEdicus LLC, Georgetown, CT
7/15-12/15 Expert Consultant, Stauber Performance Ingredients, Fullerton, CA
5/15-12/16 Freelance Regulatory Writer, Integra LifeSciences, Plainsboro, NJ
8/14-Pres. Freelance Regulatory Writer, Alphatec Spine, Carlsbad, CA
7/14-10/14 Expert Consultant, RealDose Nutrition, Cheyenne, WY
5/14-12/14 Freelance Writer, Vazzello Inc, Chandler, NC
7/13-4/17 Freelance Regulatory Writer, Abbott Medical Optics, Santa Ana, CA
4/13-10/13 Freelance Writer, Omeros, Seattle, WA
1/13-1/15 Freelance Writer, Medical Communication Consultants, Cincinnati, OH
9/12-6/13 Freelance Writer, Linnea SA, Switzerland
4/12-2/13 Expert Consultant, Mintz Levin, New York, NY
4/12-4/13 Expert Panelist, CamAm Resources, Montpelier, VT
5/11-2/13 Freelance Writer, Heidelberg Engineering, Heidelberg, Germany
3/11-1/15 Freelance Regulatory Writer, Covidien/Mallinckrodt, Hazelwood, MO
3/10-11/10 Freelance Writer, ISTA Pharmaceuticals, Irvine, CA
1/10-12/12 Freelance Writer, Teva Neuroscience, Kansas City, MO

6/09-10/15 Freelance Writer, BioComm Network, Laguna Beach, CA
6/09-11/15 Freelance Writer, Renaissance Associates, Newport Beach, CA
5/09-9/13 Freelance Writer, Medicus Research, Northridge, CA
5/09-12/10 Freelance Writer, Children's Hospital of Orange County (CHOC), CA
10/08-7/09 Freelance Writer, Cenomed Biosciences, Irvine, CA
8/08-6/09 Freelance Writer, Boston Scientific, Valencia, CA
5/08-10/08 Freelance Writer, Ilmar International, NY, NY
5/08-10/08 Freelance Writer, Schwarz Biosciences, Raleigh, NC
11/07-5/09 Freelance Writer, Beta-Business Advantage, Kanata, Ontario, Canada
9/07-6/11 Freelance Regulatory Writer, Trius Therapeutics, San Diego, CA
6/07-12/07 Freelance Writer, Natural Products Research Consultants, Seattle, WA
5/07-Pres. Freelance Writer, Alcon Laboratories, Fort Worth, TX
7/06-9/11 Freelance Writer, Pharmavite, Northridge, CA
7/06-11/08 Freelance Writer, Eli Lilly & Co., Indianapolis, IN
4/06-4/09 Freelance Writer, AlphaMedica, Tarrytown, NY
2/06-10/06 Freelance Writer, The JL Company, NY, NY
2/06-8/06 Freelance CME Writer, Medsite, NY, NY
11/05-4/07 Freelance Regulatory Writer, GlaxoSmithKline, Phila, PA
10/05-Pres. Freelance Writer, Bausch & Lomb, Rochester, NY and Irvine, CA
8/05-12/05 Freelance Writer, Herbs for Health, Topeka, KS
2/05-10/05 Freelance Writer, Accel, New York, NY
11/04-12/05 Freelance Writer, TWG MarComm, Sherman Oaks, CA
8/04-4/09 Freelance Writer, Natrol Inc, Chatsworth, CA
8/04-1/08 Freelance Writer, Life Extension Publications, Ft Lauderdale, FL
9/03-3/05 Freelance Writer, Medicus LifeBrands, New York, NY
5/03-6/05 Freelance Writer, IntraMed East Educational Group, NY
3/03-11/05 Freelance Writer/Editor, Sudler & Hennessey, SF, CA
8/02-2/09 Freelance Writer, Baxter Pharmaceuticals, Westlake Village, CA
7/02-10/02 Feature Article Writer, Life Enhancement Products, Petaluma, CA
4/02-12/02 Freelance Writer, Advanced Medical Optics, Irvine, CA
8/01-12/03 Freelance Writer, EyeTel Imaging, Centreville, VA
5/01-6/05 Contract Writer, Dr. Gregory Carlson/SCIRE, Long Beach, CA
1/01-9/01 Feature Article Writer, www.suninternethealth.com
1/01-4/01 Content Writer, www.nbc.com
3/00-4/08 Freelance Writer, Allergan, Inc., Irvine, CA
2/00-5/04 Freelance Writer, Pacific Communications, Costa Mesa, CA
12/99-12/00 Feature Writer, Healthgate.com
8/99-10/99 Content Writer, www.vitamin-facts.com
7/99-1/21 Freelance Writer, American Botanical Council, Austin, TX
4/99-4/00 Teacher, Braille Institute, Anaheim, CA
4/99-6/00 Freelance Writer, Access Business Group (formally Nutrilite), Buena Park, CA
3/99-Pres. Director, Science Consulting Group LLC, North Tustin, CA
11/98-3/01 Freelance Medical Writer, Leiner Health Products, Carson, CA
2/96-12/00 Editing and Proof-Reading, Various Faculty of UCI
4/97-6/99 Post-Doctoral Researcher, Department of Pharmacology, UCI
11/95-4/97 Post-Doctoral Researcher, Institute for Brain Aging and Dementia, UCI
10/94-1/95 Contractual Researcher, Acea Pharmaceuticals Inc., Irvine, CA
9/94-12/94 Lecturer and Class Co-Coordinator, Department of Pharmacology, UCI

8/92-9/95 Graduate Student Researcher, CoCensys Pharmaceuticals & Department of Pharmacology, UCI
8/91-8/92 Graduate Student Researcher, Department of Pharmacology, HU
9/89-4/91 Research Assistant, Department of Molecular Biology, USC

Invited Colloquia and Symposia

“Freelance Business Basics.” Speaker at the American Medical Writers Association meeting. Costa Mesa, CA. April 2017.

Panelist at University of California, Irvine, Celebration of Graduate Success. Irvine, CA. June 2016.

“Setting up a Freelance Business.” Speaker at the American Medical Writers Association meeting. San Diego, CA. May 2015.

“Claims Crafting for the Dietary Supplement Industry: Do’s & Don’ts.” Speaker at the American Medical Writers Association meeting. Sacramento, CA. October 2012.

“Freelance Forum.” Speaker and moderator at the American Medical Writers Association meeting. Asilomar, CA. April 2009.

“Audience Analysis.” Panelist at the American Medical Writers Association meeting, Carlsbad, CA. March 2009.

“The Ins and Outs of Being a Freelance Writer.” Panelist at the American Medical Writers Association meeting, Irvine, CA. January 2008.

“Client Management” Presented to the American Medical Writers Association, Carlsbad, CA. October 2004.

“Communication Standards for Alternative Medicine.” Presented to the American Medical Writers Association National Meeting, San Diego, CA. October 2002.

“Sensory Awareness” Presented to visually impaired students, Braille Institute. Weekly July 1999 through April 2000.

“Stress and How to Prevent it.” Presented to Veterinarians and Staff, UCI. February 1999.

“Nicotine Sensitization and Opioid Interactions.” Presented to Pharmacology Lab Meeting, UCI. July 1997.

“Alzheimer’s Disease and Successful Aging.” Presented to Laboratory Seminar Series, Dept. of Pharmacology, UCI. April 1997.

“Stroke, Heart Attack and Head Trauma.” Presented to undergraduate class Psychobiology 155, UCI. April 1996.

“Effects of Strain and Vendor on Focal Cerebral Ischemia.” Presented to Neurology Grand Rounds, University of California Irvine Medical Center. January 1996.

“Models, Advances, and Treatment of Cerebral Ischemia.” Presented to Alzheimer’s Disease Research Center. November 1995.

“The Neuroprotective Efficacy of MK-801 in Focal Cerebral Ischemia.” Presented to Department of Pharmacology, UCI. February 1995.

“Infarct Volume Varies With Rat Strain and Vendor in Focal Cerebral Ischemia Induced by Transcranial Middle Cerebral Artery Occlusion.” Presented to Department of Pharmacology, UCI. October 1994.

“How to Write a Manuscript.” Presented to the Undergraduate Research Symposium, UCI. June 1994.

“The Role of Strain/Vendor Differences on the Outcome of Focal Ischemia Induced by Intraluminal Middle Cerebral Artery Occlusion in the Rat.” Presented to Department of Pharmacology, UCI. May 1994.

“N-(3-Chloropropyl)-4-Piperidinyl Diphenylacetate and its Quaternary Transformation Products of Have Differential Affinity for Subtypes of the Muscarinic Receptor.” Presented to Department of Pharmacology, UCI. March 1993.

Affiliations

Society for Neuroscience

American Medical Writers Association (Local Area Networking Coordinator, Engage Committee, Larson memorial award chairperson, national conference symposium chairperson, proctor, session leader Pacific Southwest Asilomar conference, session speaker Pacific Southwest regional conference.)

Bibliography

Invited Articles

Oliff HS. (2017) *Food Toxicology* book review. *HerbalGram*. 116: 73-74.

Oliff HS. (2015) The role of a medical writer as an expert witness. *Postscripts*. February/March; 5(32):27-28.

Oliff HS. (2002) Communication standards for alternative medicine. *American Medical Writers Association Journal*. 17(4): 31.

Oliff HS, Gallardo KA. (1999) The effect of nicotine on developing brain catecholamine systems. *Frontiers in Biosci*. 4:d883-897.

Published Monographs

Oliff HS. (2018) Monograph for Pycnogenol® December 2017 Update. American Botanical Council. www.herbalgram.org.

Oliff HS, Barrett M. (2010) Scientific and clinical monograph for Pycnogenol®. American Botanical Council. www.herbalgram.org.

Oliff HS, Blumenthal M. (2009) Scientific and clinical monograph for Sinupret®. American Botanical Council. www.herbalgram.org.

Peer Reviewed Journal Publications

Berdy G, **Oliff HS.** (2010) Clinical safety and efficacy of bepotastine besilate ophthalmic solution to treat allergic conjunctivitis. *Expert Review Ophthalmol*. 5(5):595-602.

Carruthers JA, Carruthers DDA, Poirier J, **Oliff HS,** Mordaunt J, Scheriber WE. (2010) Safety of lidocaine 15% and prilocaine 5% topical ointment used as local anaesthesia for intense pulsed light treatment. *Derm Surg*. 36(7):1130-1137.

- Tohen M, Vieta E, Goodwin GM, Sun B, Amsterdam JD, Banov M, Shekhar A, Aaronson ST, Bardenstein L, Grecu IG, Tochilov V, Prelipceanu D, **Oloff HS**, Kryzhanovskaya L, Bowden C. (2008) Olanzapine versus divalproex versus placebo in the treatment of mild to moderate mania: A randomized, 12-week, double-blind study. *J Clin Psychiatry*. 69(11):1776-1789.
- Tohen M, Bowden CL, Smulevich AB, Bergstrom R, Quinlan T, Osuntokun O, Wang WV, **Oloff HS**, Matenyi F, Kryzhanovskaya LA, Waldemar G. (2008) Olanzapine plus carbamazepine v. carbamazepine alone in treating manic episodes. *Br J Psychiatry*. 192:135-143.
- Carlson GD, **Oloff HS**, Emery S, Riew D, Hillbrand A, Bohlman H. Cerebral spinal fluid leaks: complications of anterior cervical decompression. *Submitted*
- Carlson GD, **Oloff HS**, Anderson P, Emery S, Yoo J, Hughes SS, Bohlman H. Neurological injuries associated with post-operative lumbar epidural hematoma. *Submitted*
- Belluzzi JD, Lee AG, **Oloff HS**, Leslie FM. (2004) Age-dependent effects of nicotine on locomotor activity and conditioned place preference in rats. *Psychopharmacology*. 174(3):389-95.
- Carlson GD, **Oloff HS**, Gorden C, Smith J, Anderson PA. (2003) Cerebral spinal fluid pressure: effects of body position and lumbar subarachnoid drainage in a canine model. *Spine*. 28(2):119-22.
- Carlson GD, Gorden C, **Oloff HS**, Pillai JJ, LaManna JC. (2003) Sustained spinal cord displacement I. Time dependent effect on long-term pathophysiology. *J Bone Joint Surg*. 85-A(1):86-94.
- Oloff HS**, Casas-Silva E, Leslie FM. Effect of acute and chronic nicotine administration on opioid peptide and c-fos mRNA in the striatum. *Submitted*
- Berchtold NC, **Oloff HS**, Isackson P, Cotman CW. (1999) Brain-derived neurotrophic factor (BDNF) shows a circadian pattern of expression in the hippocampal formation. *Molec Brain Res*. 71:11-22.
- Oloff HS**, Berchtold NC, Isackson P, Cotman CW. (1998) Exercise-induced regulation of BDNF transcripts in the rat hippocampus. *Molec Brain Res*. 61:147-153.
- Oloff HS**, Coyle P, Weber E. (1997) Rat strain and vendor differences in collateral anastomoses. *J Cereb Bld Flow Metab*, 17(5)571-576.
- Oloff HS**, Marek P, Miyazaki B, Weber E. (1996) The neuroprotective efficacy of MK-801 in focal cerebral ischemia varies with rat strain and vendor. *Brain Res*. 731:208-212.

Ehlert FJ, **Oloff HS**, Griffin MT. (1996) The quaternary transformation products of N-(3-chloropropyl)-4-piperidinyl diphenylacetate and 4-DAMP mustard have differential affinity for subtypes of the muscarinic receptor. *J Pharm Exper Therap.* 276:405-410.

Oloff HS, Weber E, Miyazaki B, Marek P. (1995) Infarct volume varies with rat strain and vendor in focal cerebral ischemia induced by transcranial middle cerebral artery occlusion. *Brain Res.* 699(2):329-331.

Oloff HS, Weber E, Eilon G, Marek P. (1995) The role of strain/vendor differences on the outcome of focal cerebral ischemia induced by intraluminal middle cerebral artery occlusion in the rat. *Brain Res.* 675:20-26.

Published Abstracts

Tohen M, Goodwin G, Amsterdam J, Aaronson ST, Sun B, Bowden C, Banov M, Shekhar A, Tochilov V, Bardenstein L, Grecu IG, Prelipceanu D, **Oloff HS**, Kryzhanovskaya L, Vieta E. (2007) Olanzapine vs divalproex and placebo for treatment of mild to moderate bipolar mania: effect of valproate plasma concentrations. *American College of Neuropsychopharmacology.* Dec 9-13, Boca Raton, FL.

Tohen M, Vieta E, Amsterdam J, Aaronson ST, Sun B, Bowden C, Banov M, Shekhar A, **Oloff HS**, Kryzhanovskaya L, Goodwin G. (2007) Olanzapine versus divalproex and placebo for the treatment of mild to moderate mania associated with bipolar I disorder. *European College of Neuropsychopharmacology.* Oct 13-17, Vienna, Austria.

Loughlin SE, Cheng M, **Oloff HS**, Leslie FM. (2003) Nicotine induced cFos mRNA activation in adolescent brain. *Society for Research on Nicotine and Tobacco.* Feb 19-22, New Orleans, LA

Leslie FM, Lee A, **Oloff HS**, Belluzzi J. (2003) Single trial conditioned reinforcement and locomotor sensitization in adolescent rats. *Society for Research on Nicotine and Tobacco.* Feb 19-22, New Orleans, LA.

Oloff HS, Khaja R, Ghuman KK, Leslie FM. (1999) Nicotine induces drug-seeking behavior and c-fos activation in specific brain areas in juvenile rats. *Society for Neuroscience* 25(2)746.22.

Oloff HS, Leslie FM. (1998). Lack of effect of acute and chronic nicotine administration on opioid peptide mRNA expression in the rat striatum. *Society for Neuroscience*, 24(1)133.

Oloff HS, Leslie FM. (1998). Effect of acute nicotine administration on opioid peptide mRNA expression in the striatum. *NY Acad. Sci.*

Berchtold NC, **Oloff HS**, Isackson P, Cotman CW. (1997). Brain-derived neurotrophic factor (BDNF) shows a circadian pattern of expression in the hippocampal formation. *Society for Neuroscience*, 23(1)27.2.

Oloff HS, Berchtold NC, Isackson P, Cotman CW. (1997). BDNF exons are differentially regulated by exercise in the rat. *Society for Neuroscience*, 23(1)27.3.

Berchtold NC, **Oloff HS**, Deng GM, Gomez-Pinilla F, Cotman CW. (1996). Upregulation of brain-derived neurotrophic factor (BDNF) in the hippocampus and caudal cortex with physical activity. *Society for Neuroscience*, 22 (1)124.1.

Oloff HS, Weber E. (1995) Rat strain/vendor differences in dorsal cerebral arterial collaterals may not effect the outcome of focal cerebral ischemia. *Society for Neuroscience*, 21(1):93.8.

Oloff HS, Weber E, Eilon G, Marek P. (1994) The role of genetic differences on the outcome of focal ischemia induced by intraluminal middle cerebral artery occlusion. *Society for Neuroscience*, 20(1) 257.20.

Oloff HS, Marek P, Eilon G, Weber E. (1994) The role of genetic differences on the outcome of focal ischemia induced by intraluminal middle cerebral artery occlusion. *The FASEB Journal*, 8(4) 3794.

Oloff H, Petruska J. (1991) Morphologies obtained by chemical precipitations in gels of biopolymers. *Gordon Research Conference*.

Writing Acknowledgement in the Following Articles/Posters/Book Chapters

Peimer CA, Hurley D, Latch T, et al. Incidence of Tendon Rupture After Collagenase Clostridium Histolyticum Injection for Treatment of Dupuytren Contracture in Adults: A Postmarketing Safety Analysis. *J of Hand Surgery Global*. 2023.5:33-38.

Packer M, Shultz M, Loden J, Lau G. Safety and effectiveness comparison of a new cohesive ophthalmic viscosurgical device. *J Cataract Refract Surg* . 2023 Apr 18. doi: 10.1097/j.jcrs.0000000000001201.

Matossian C, Chang DH, Whitman J, et al. Preoperative treatment of meibomian gland dysfunction with a vectored thermal pulsation system prior to extended depth of focus IOL implantation. *Ophthalmol Ther*. 2023. <https://doi.org/10.1007/s40123-023-00740-x>.

Packer M, Berdahl JP, Goldberg DF, et al. Safety and effectiveness of a new ophthalmic viscosurgical device: randomized, controlled study. *J Cataract Refract Surg*. 2022 Sep 1;48(9):1050-1056.

Quesada G, Chang DH, Waltz KL, et al. Clinical performance and surgeon acceptability of a new dual mode phacoemulsification system. *Clin Ophthalmology*. 2022 Aug 6:16:2441-2451.

Nuijts R, Bhatt U, Nanavaty MA, et al. Multinational Evaluation of a New Aspheric Hydrophobic Monofocal Intraocular Lens 2-Years After Implantation. Presented at ASCRS Annual Meeting, Aug 2021; San Francisco, CA.

- Mendicute J, Ruiz L, Acera A, et al. Multinational Evaluation of a New Aspheric Hydrophobic Monofocal Intraocular Lens: 2-Year Site Level Results. Presented at ASCRS Annual Meeting, July 2021; Las Vegas, NV
- Peimer CA, Hurley D, Latch T, et al. Incidence of Tendon Rupture After Collagenase Clostridium Histolyticum Injection for Treatment of Dupuytren Contracture in Adults: A Postmarketing Safety Analysis. Presented at: The American Association for Hand Surgery 2020 Annual Meeting; January 8-11, 2020; Ft Lauderdale, FL.
- Fabi SG, Kaufman J, Joseph JH et al. Collagenase Clostridium Histolyticum (CCH) for the Treatment of Cellulite (Edematous Fibrosclerotic Panniculopathy): Two Randomized, Double-Blind, Placebo-Controlled Phase 3 Studies. Presented at: American Society for Dermatologic Surgery Annual Meeting; October 24-7, 2019; Chicago, IL.
- Zah V, Tatovic S, Vukicevic D, et al. US Healthcare Costs and Resource Use for Privately Insured Patients with Dupuytren Contracture Treated with Collagenase Clostridium Histolyticum Versus Fasciectomy. Presented at: The 74th Annual Meeting of the American Society for Surgery of the Hand; September 5-7, 2019; Las Vegas, NV.
- Divino V, DeKoven, Hurley D. Return to Function in Adults with Dupuytren Contracture Treated with Collagenase Clostridium Histolyticum Versus Fasciectomy. Presented at: The 74th Annual Meeting of the American Society for Surgery of the Hand; September 5-7, 2019; Las Vegas, Nevada
- Fechtner R, Vold SD, Voskanyan L, et al. Five-year outcomes of patients newly diagnosed with open-angle glaucoma and treated with two trabecular micro-bypass stents compared to prostaglandins: a randomized controlled trial. *Ophthalmol Glaucoma*. 2019; 2(3):156-166.
- Whitman J, Endl M. Victus: femtosecond lasers for corneal surgery. In: Femtosecond Lasers in Cornea and Lens Surgery, edited by Dr. George O. Waring, IV and Dr. Karolinne Maia Rocha. 2018.
- Chu RY, Heckman J. Overview of femtosecond lasers for lens surgery- Victus. In: Femtosecond Lasers in Cornea and Lens Surgery, edited by Dr. George O. Waring, IV and Dr. Karolinne Maia Rocha. 2018.
- Packer M, Williams JI, Feinerman G, et al. Prospective multicenter clinical trial to evaluate the safety and effectiveness of a new glistening-free one-piece acrylic toric intraocular lens. *Clin Ophthalmol*. 2018; 12:1031-1039.
- Matossian C. Clinical outcomes for low-diopter accommodating toric IOL. ASCRS ASOA Symposium & Congress. May 6-10, 2016, New Orleans, LA.
- Pepose JS, Hayashida J, Hovanesian J et al. Safety and effectiveness of a new toric presbyopia-correcting posterior chamber silicone intraocular lens. *J Cataract Refract Surg*. 2015;41(2)295-305.

- Pepose JS, Qazi MA, Chu R, Stahl J. A prospective randomized clinical evaluation of 3 presbyopia-correcting intraocular lenses after cataract extraction. *Am J Ophthalmol.* 2014; 158(3):436-446.
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- Goldfischer E, Kim E, Seftel A, Baygani S, Burns P. Efficacy of tadalafil once daily for the treatment of erectile dysfunction: the influence of testosterone levels. Sexual Medicine Society of North America; New Orleans, LA; November 21-24, 2013.
- Ang RET, Martinez GHA, Cruz EM, Tionson AA, Dela Cruz AG. Prospective evaluation of visual outcomes with three presbyopia-correcting intraocular lenses following cataract surgery. *Clin Ophthalmol.* 2013; 7:1811-1823.
- McCabe CF, McCabe SE. Comparative efficacy of bepotastine besilate 1.5% ophthalmic solution versus olopatadine hydrochloride 0.2% ophthalmic solution evaluated by patient preference. *Clin Ophthalmol.* 2012; 6:173-1738.
- Dugel PU, Zhou J, Abulon DJ, Buboltz DC. Tissue attraction associated with 20-gauge, 23-gauge, and enhanced 25-gauge dual-pneumatic vitrectomy probes. *Retina.* 2012; 32(9):1761-1766.
- Weikert MP, Wang L, Barrish J, Dimalanta R, Koch DD. Quantitative measurement of wound architecture in microincision cataract surgery. *J Cataract Refract Surg.* 2012; 38(8):1460-1466.
- Lichtenstein SJ, De Leon L, Heller W, Marshall B, Cupp G, Foster K, McLean C, Levy S, Stroman DW. Topical ophthalmic moxifloxacin elicits minimal or no selection of fluoroquinolone resistance among bacteria isolated from the skin, nose, and throat. *J Pediatr Ophthalmol Strabismus.* 2012; 49(2):88-97.
- Laing H, Brignole-Baudouin F, Riancho L, Baudouin C. Reduced in vivo ocular surface toxicity with polyquad-preserved travoprost versus benzalkonium-preserved travoprost or latanoprost ophthalmic solutions. *Ophthalmic Res.* 2012;48(2):89-101.
- Laing H, Brignole-Baudouin F, Pauly A, Riancho L, Baudouin C. Polyquad-preserved travoprost/timolol, benzalkonium chloride (BAK)-preserved travoprost/timolol, and latanoprost/timolol in fixed combinations: a rabbit ocular surface study. *Adv Ther.* 2011; 28(4):311-325.
- Brignole-Baudouin F, Riancho L, Laing H, Baudouin C. Comparative in vitro toxicology study of travoprost polyquad-preserved, travoprost BAK-preserved, and latanoprost BAK-preserved ophthalmic solutions on human conjunctival epithelial cells. *Curr Eye Res.* 2011; 36(11):979-988.
- Brignole-Baudouin F, Riancho L, Laing H, Nakib Z, Baudouin C. In vitro comparative toxicology of polyquad-preserved and benzalkonium chloride-preserved

travoprost/timolol fixed combination and latanoprost/timolol fixed combination. *J Ocul Pharmacol Ther.* 2011;27(2):273-280.

Web Based Magazines

‘Cancer Prevention’ at www.suninternethealth.com

‘Anti-aging’ at www.suninternethealth.com

‘Mental Health’ at www.healthgate.com

‘Health & Sexuality’ at www.healthgate.com

‘Food & Nutrition’ at www.healthgate.com

‘Alternative Health’ at www.healthgate.com

‘Aging & Health’ at www.healthgate.com

Web Site Content

<http://abc.herbalgram.org>

<https://www.botox.com/>

Miscellaneous commercial web sites

Magazines

Oliff HS. Review of ginkgo for cognitive function and Alzheimer’s disease. *HerbalGram* 131. 2021, 27.

Oliff HS. Korean ginseng may improve fatigue and cognitive function of adults who perform full-time computer work. *HerbalGram* 129. 2021, 42-43.

Oliff HS. Nigella seed oil improves liver parameters in patients with nonalcoholic fatty liver disease. *HerbalGram* 126. 2020, 44.

Oliff HS. Systematic review of green tea consumption and risks for dementia, Alzheimer’s disease, and cognitive impairment. *HerbalGram* 126. 2020, 47-48.

Oliff HS. Saffron comparable to methylphenidate (Ritalin[®]) in treatment of ADHD. *HerbalGram* 125. 2020, 35-37.

Oliff HS. Systematic review and meta-analysis of lavender for anxiety. *HerbalGram* 125. 2020, 33-34.

Oliff HS. Bacopa: Therapeutic potential for Alzheimer’s disease. *HerbalGram* 125. 2020, 30-31.

Oliff HS. Proprietary Ginkgo extract helps alleviate tinnitus and dizziness in patients with dementia. *HerbalGram* 124. 2019, 30-31.

Oliff HS. Meta-analysis supports antidepressant activity of saffron. *HerbalGram* 122. 2019, 43.

Oliff HS. Systematic review of herbal medicines for depression and anxiety in menopausal women. *HerbalGram* 121. 2019, 42-44.

- Oloff HS.** Apple and pear consumption associated with lower risk of type 2 diabetes, according to meta-analysis. *HerbalGram* 120. 2018, 41-42.
- Oloff HS.** Clinical efficacy of a Chinese herbal combination for mild cognitive impairment. *HerbalGram* 119. 2018, 28-29.
- Oloff HS.** Proprietary spearmint extract improves working memory in subjects with age-associated memory impairment. *HerbalGram* 118. 2018, 36-37.
- Oloff HS.** Traditional chamomile and sesame oil product improves mild-to-moderate carpal tunnel syndrome in short-term use. *HerbalGram* 117. 2018, 38-39.
- Oloff HS.** Meta-analysis of curcuminoids and turmeric extracts for the treatment of knee osteoarthritis. *HerbalGram* 116. 2017, 42-44.
- Oloff HS.** An overview of published systematic reviews on ginkgo extract for mild cognitive impairment and dementia. *HerbalGram*. 116. 2017, 40-41.
- Oloff HS.** Saffron comparable to fluoxetine in the treatment of postpartum depression. *HerbalGram*. 115. 2017, 30.
- Oloff HS.** Nigella supplementation improves overall control and decreases exacerbations in patients with partly controlled asthma. *HerbalGram*. 115. 2017, 31-32.
- Oloff HS.** Standardized cranberry extract reduces urinary tract infections, urinary symptoms, and antibiotic use during radiotherapy for prostate cancer. *HerbalGram*. 115. 2017, 33-34.
- Oloff HS.** Flax seed and chamomile flower infusion relieves dry mouth in elderly patients. *HerbalGram*. 113. 2017, 44-45.
- Oloff HS.** Oral lavender oil reduces anxiety and depression in patients with mixed anxiety and depressive disorder. *HerbalGram*. 112. 2016, 34-36.
- Oloff HS.** Meta-analysis finds curcumin to be an effective adjunct treatment for major depressive disorder. *HerbalGram*. 112. 2016, 38-39.
- Oloff HS.** Tongkat Ali improves cell-mediated immune function in healthy adults. *HerbalGram*. 110. 2016, 42-43.
- Oloff HS.** Lavender aromatherapy improves sleep quality in college students. *HerbalGram*. 110. 2016, 38-39.
- Oloff HS.** Meta-analysis shows benefit of ginkgo extract as adjunct therapy for chronic schizophrenia. *HerbalGram*. 108. 2015, 32-33.
- Oloff HS.** Valerian reduces cognitive dysfunction after coronary bypass surgery. *HerbalGram*. 107. 2015, 34-35.
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- Oloff HS.** Saffron extract comparable to fluoxetine in treating mild-to-moderate depression in small trial. *HerbalGram*. 103. 2014, 30-31.
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- Oliff HS.** Efficacy and tolerability of ginkgo extract in treatment of Alzheimer's disease and vascular dementia. *HerbalGram.* 94. 2012, 34-35.
- Oliff HS.** Symptoms of benign prostatic hyperplasia unaffected by high doses of saw palmetto ethanolic extract. *HerbalGram.* 93. 2012, 32-33.
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- Oloff HS.** Studies assess ginger for treatment of nausea during pregnancy and menstrual pain. *HerbalGram.* 84. 2009, 28-29.
- Oloff HS.** Lemon juice and lemongrass infusion beneficial for treatment of oral thrush in HIV/AIDS patients. *HerbalGram.* 83. 2009, 34.
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Continuing Education Materials

The ABC Clinical Guide to Herbs. American Botanical Council, Austin, TX. [Reference book and CME course, accredited by Texas Medical Assn., Texas Nurses Assn, Texas Pharmaceutical Assn., American Dietetic Assn.]

Jobson's Review of Ophthalmology

Book Chapters

Oloff HS. (2005) Pain. Disease Prevention and Treatment. 5th Edition. Life Extension Media. Hollywood FL.

Books/Booklets

Oloff HS. (1999) Total Brain Health Now. Dietary Supplements and Brain Health. Carson, CA:Leiner Health Products.

Ph.D. Project

The research described below was conducted under Dr. Eckard Weber at Acea Pharmaceuticals (later known as CoCensys). My thesis investigated the role of rat strain and vendor differences on the outcome of focal cerebral ischemia (stroke). The problem in the field of cerebral ischemia was that researchers were finding different results. Without consistency, new drugs cannot be developed. My hypothesis was that the field of cerebral ischemia was reporting divergent results because researchers were using different rats and assuming all rats were the same. In contrast, I believed that all rats could be different, just like all people are different. To test this hypothesis I used rats from two different strains and 4 different rat vendors and surgically occluded the middle cerebral artery (MCA) to produce a stroke. I found that the size of the brain infarct (damage) differed between both rat strain and vendor. Furthermore, I found rat strain and vendor differences in protection

by drug treatment. In collaboration with Dr. Peter Coyle from the department of Anatomy and Cell Biology at the University of Michigan, the rats were injected with a compound to visualize the cerebral collateral arteries. This demonstrated that the differences in infarct volume were due to variations in vascular anatomy between rat strains and vendors. The main conclusion of my thesis was that rat strain and vendor differences should be taken into consideration when conducting cerebral ischemia studies. This is particularly important in drug development because a potentially efficacious drug may be erroneously eliminated if the “wrong” strain or vendor is chosen.

Post-Doctoral Project 11/95-4/97

Under Dr. Carl Cotman at the Institute for Brain Aging and Dementia my research provided insight into the development of dementia and its treatment. It has been shown that dementia, in particular Alzheimer’s disease, is associated with the loss of cholinergic neurons. Brain-derived neurotrophic factor (BDNF), a nerve growth factor, can enhance the survival of neurons. Through the use of immunotoxic lesioning and *in situ* hybridization of the brain, I sought to define how the cholinergic neurons regulate BDNF gene expression. If BDNF can be increased, brain cells may not die. Finally, I applied this knowledge to see how exercise, a natural everyday activity, induces BDNF expression. I found that when rats run in a running wheel, BDNF increases in a part of the brain associated with memory. My findings imply that if elderly people exercise, the BDNF gene will be turned on and will protect their brain from memory loss and the effects of aging.

Post-Doctoral Project 4/97-6/99

Under Dr. Frances Leslie at UC Irvine my research sought to understand the mechanism behind nicotine abuse. I began by examining the effects of short and long-term nicotine administration on c-fos and opioid peptide mRNA expression in the adult rat brain. Other drugs of abuse use both c-fos and opioid peptides as important regulators of mesolimbic dopamine reward pathways in the brain. These pathways are responsible for addiction. I found that nicotine increases c-fos mRNA expression, but has no effect on opioid peptide mRNA in the reward pathways. Therefore, the mechanisms underlying nicotine reward appear to differ from other highly addictive drugs. I found that adolescents become addicted to nicotine easier than adults do because their brains are different. This is a very exciting finding and helps explain why people start smoking and become addicted as a child and not as an adult. Finally, I examined the effect of nicotine on the developing brain.

Expert Witness/Testimony

False positive drug test. LT Jacob Meusch, JAGC, USN; Defense counsel. Pursuant to MILPERSMAN 1910-146. Dept of the Navy. November 2012.

False positive drug test. LT Jacob Meusch, JAGC, USN; Defense counsel. Pursuant to MILPERSMAN 1910-146. Dept of the Navy. August 2012.

Trademark trial and appeal. Isotonic vs Horphag. Reg #1769633. April 2012-July 2013.

False positive drug test. Captain Robert Cole, Esq. Defense counsel. Kansas Army National Guard. May 2008.

Medical malpractice case. Adverse drug interactions. David C Holt, Esq. Tustin, CA

December 2007.