

MELISSA BARNETT, OD, FAAO, FSLs

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## EDUCATION

**University of California, Berkeley, School of Optometry, Berkeley CA**  
Doctor of Optometry, May 2001

**University of California, Berkeley, School of Optometry, Berkeley CA**  
B.S. Optometry, May 2001

**Smith College, Northampton, MA**  
BA, Psychology; minor in Chemistry awarded May, 1996  
Dean's List 1993-94, 1995-96  
First Group Scholar  
Psi Chi

**University College London, London, England**  
Junior Year Abroad Program

## EMPLOYMENT

**Principal Optometrist, UC Davis Medical Center, Sacramento, CA (10/11 – present)**  
Accomplish research, academic speaking engagements, and author publications. Perform comprehensive primary care and medical eye exams, fit contact lenses including specialty lenses, provide preoperative and postoperative care for refractive surgery patients, and teach optics and contact lenses to ophthalmology residents. Lecture and publish to advance the field of optometry.

**Senior Optometrist, UC Davis Medical Center, Sacramento, CA (10/05 – 10/11)**  
Perform comprehensive primary care and medical eye exams, fit contact lenses including specialty lenses, provide preoperative and postoperative care for refractive surgery patients, and teach optics and contact lenses to ophthalmology residents.

**Clinical Instructor, UC Berkeley School of Optometry, Berkeley, CA (8/01 – 12/06)**  
Mentor third and fourth year optometry students in primary care and contact lens clinics.

**Optometrist, Bliss Eye Associates, Carmichael, CA (8/01 – 10/05)**  
Perform comprehensive primary care and medical eye exams, fit contact lenses, treat glaucoma, and provide preoperative and postoperative care for cataract and refractive surgery patients.

**Clinical Teaching Fellowship, UC Berkeley School of Optometry, Berkeley, CA (5/01 – 8/01)**  
Taught new third year optometry students on proper diagnostic and clinical skills involved in performing eye exams. Mentored new fourth year students in contact lens clinic.

**Optometric Assistant, Roy Optometric Center, Walnut Creek, CA (5/98 – 5/01)**  
Performed preliminary optometric testing, frame selections and frame dispensing. Assisted with billing including Vision Service Plan and Medicare.

**Research Assistant**, National Eye Institute Summer Research Training Program, Berkeley, CA (5/98 – 7/98)  
Learned advanced basic science and clinical research techniques. Attended weekly seminars pertaining to vision science.

**Assistant Research Scientist**, School of Optometry, University of California, Berkeley, CA (9/97 – 8/00)  
Examined cellular mechanisms for retinitis pigmentosa in transgenic rats. Completed thesis project studying the effects of cell mediators on the thickness of transgenic rats' retinal layers.

**Assistant Research Scientist**, Center for Neural Science, New York University, New York, NY (7/96 – 8/97)  
Performed behavioral and anatomical tests on monkeys in a visual neuroscience laboratory specializing in amblyopia and strabismus.

## ACTIVITIES

**President**, Scleral Lens Education Society (SLS) (1/2016 – present)  
Lead an international group of Board Members and scleral lens fitters. Increase awareness of scleral lenses for practitioners and the public. The Scleral Lens Education Society (SLS) teaches contact lens practitioners the science and art of prescribing scleral contact lenses. SLS supports public education that highlights the benefits and availability of scleral contact lenses.

**Executive Board Member, Secretary**, Ocular Surface Society of Optometry (OSSO) (9/2015 – present)  
OSSO is a non-profit, independent organization founded in 2009. The mission of this organization is to increase the awareness and advance the understanding and management of dry eye and ocular surface disease among optometric practitioners, industry, researchers, and the general public.

**Vice President**, Scleral Lens Education Society (SLS) (1/2015 – present)  
Assist the president and board members with projects related to scleral lenses. The Scleral Lens Education Society (SLS) teaches contact lens practitioners the science and art of prescribing scleral contact lenses. SLS supports public education that highlights the benefits and availability of scleral contact lenses.

**Secretary**, Scleral Lens Education Society (SLS) (1/2014 – 1/2015)  
Analyze and summarize information as needed. Provide minutes for meetings.

**Academic Editor**, *Medicine* (7/2014 – present)  
Review a wide variety of articles pertaining to the eye.

**Board Member**, Gas Permeable Lens Institute (GPLI) Advisory Board (12/2013 – present)  
Support the GPLI to provide GP and custom soft contact lens education. Author articles and speak about contact lenses and related topics.

**Editorial Board Chair of Therapeutics, Contact Lens, Cornea, External Disease Section**. *Advanced Ocular Care (AOC)* (11/2012 – present)  
Author and review articles in the area of therapeutics, ocular health, contact lens, cornea and external disease. Provide input and suggestions for articles.

**Board Member**, Women of Vision (WOV) (10/2012 – present)  
Advance the lives of women optometrists worldwide by educating, mentoring and networking.

**Treasurer**, Scleral Lens Education Society (SLS) (1/2013 – 1/2014)  
Ensure the financial viability of SLS. Guarantee that proper financial records and procedures are maintained.

**Fellowship Chair**, Scleral Lens Education Society (SLS) (1/2012 – 1/2013)

Presides over of the SLS Fellowship Review Committee in which applicants submit cases in order to become Fellows of the SLS.

**Co-Founder**, Sacramento Women of Optometry (WOO) (6/2011 – present)

Improve the lives of women optometrists, ophthalmologists and industry supporters in Sacramento by educating, mentoring and networking.

**Spokesperson**, California Optometric Association (COA) (3/2009 – present)

Enhance and promote optometry through the media including television, radio, social media and print.

**Member**, Communications Committee, California Optometric Association (COA) (3/2009 – present)

Appointed by the president of COA to build public awareness of the role of the optometrists as primary providers of eye care.

**Membership Chair**, Sacramento Valley Optometric Society (3/2008 – 3/2011)

Promote membership of optometrists in the local society, educate members about the benefits of membership, and welcome new members to the society.

**Member**, Membership Committee, California Optometric Association (COA) (3/2007 – 3/2011)

Appointed by the president of COA to educate members of the importance of COA membership for optometry. Work with other committee members to develop new ideas to increase overall membership.

**Examiner**, National Board of Examiners in Optometry *Chicago, IL* (8/2006), *Berkeley, CA* (4/2008, 4/2010, 4/2011)

Scored prospective optometrists as they participated in the clinical portion of the National Optometry licensing examination.

**President**, Sacramento Valley Optometric Society (3/2004-3/2005)

Head a board of optometrists to organize monthly continuing education events, two large annual meetings, plan a community service project, and oversee the monthly newsletter.

**President**, Smith College Club of the Capital Region (2/2002-2/2006)

Developed an alumnae group for graduates of Smith College in the Sacramento area.

**Opening Eyes Vision Screening**, *Stockton, California* (June 2005)

Screened several hundred special Olympic athletes for visual and ocular health problems.

**Two Year Director**, Sacramento Valley Optometric Society (5/2003-3/2005)

Organized and coordinated speakers to give continuing education to local optometrists.

**UC Berkeley Optometry Admissions Member**, *U.C. Berkeley School of Optometry* (2003, 2004, 2008)

Interviewed and helped select perspective optometry students to be admitted to the UC Berkeley School of Optometry.

**Student Representative**, Bay Area Optometric Council (5/1999 – 5/2001)

Liaison between optometry students and local doctors. Coordinated an externship program to introduce optometry students and local doctors. Arranged monthly meetings for optometry students with local optometric societies.

**Co-President**, Volunteer Optometric Services to Humanity (VOSH), Berkeley Chapter (5/1999 – 5/2000)

Planned a trip to Brazil for 13 students and 2 doctors. Performed eye exams and treated over 3,800 patients.

**Participant**, Volunteer Optometric Services to Humanity (4/1999 – 5/1999)

Traveled to the Philippines with 20 students and 3 doctors. Performed eye exams and treated over 5,000 patients.

**Treasurer**, University of California Optometric Student Association (5/1998 – 5/1999)

Managed financial transactions for the entire student body. Implemented Quicken to computerize finances.

**Vice President**, First Year Class, University of California, Berkeley, School of Optometry (9/1997 – 5/1998)

Coordinated a school wide dinner - dance for 200 people. Organized social activities for the first year class.

## **PUBLICATIONS**

Barnett, M. Multifocal Scleral lenses. A look at available lenses that can help our presbyopic patients. *Contact Lens Spectrum*. December 2015.

Barnett, M, Lien, V, Li, JY, Durbin-Johnson, B, Mannis, MJ. Use of Scleral Lenses and Miniscleral Lenses After Penetrating Keratoplasty. *Eye Contact Lens*. 2015 Jul 24.

Barnett, M. Rethinking GPC: A New Look at an Old Problem. *Review of Cornea & Contact Lenses*. March 2015.

Barnett, M. Cytokine IL-21 in Sjögren's Syndrome. *Ocular Surface Society of Optometry Newsletter*. March 2015.

Barnett, M. Medically Necessary Contact Lenses – Why and how to incorporate these lenses into your practice. *Optometric Management*. February 2015.

Barnett, M. How to Enhance Your Scleral Lens Practice. *California Optometric Association CE @ Home*. January / February 2015.

Barnett, M, Lien, V, Li, J, Durbin-Johnson, B, Mannis, M. Use of Scleral Lenses and Mini-Scleral Lenses Following Penetrating Keratoplasty. Poster at GSLS. January 2015.

Barnett, M, Ward, M, Bennett ,E. Preventing and Managing Scleral Lens Deposits. *Contact Lens Spectrum*. January 2015.

Barnett, M. Comparing contact lenses to intraocular lens correction of monocular aphakia during infancy – a literature review. *American Optometric Association Contact Lens and Cornea Section Newsletter*. October 2014.

Bennett E, DeNaeyer, G, Barnett, M, Schornack, M, Woo, S, Louie, D. Scleral Lens Case Grand Rounds. *Contact Lens Spectrum*. October 2014.

Barnett, M. Identifying Sjögren's Syndrome. *California Optometric Association CE @ Home*. October 2014.

Barnett, M. Blepharo-Induced OSD: No Match for Scleral Lenses. *Review of Cornea & Contact Lenses*. September 2014.

Barnett, M. Ocular and Systemic Manifestations of Sjögren's Syndrome. *Ocular Surface Society of Optometry Newsletter*. July 2014.

Barnett, M. Identifying Sjögren's Syndrome. *Contact Lens Spectrum*. July 2014.

Barnett, M. Scleral Lenses for Keratoconus. *American Optometric Association Contact Lens and Cornea Section Newsletter*. June 2014.

Barnett, M. Insights on SICS and PATH. *American Optometric Association Contact Lens and Cornea Section Newsletter*. May 2014.

Barnett, M. Get in the Cone Zone: Part 2. *Optometric Management*. May 2014.

Barnett, M, Messer B. Putting Scleral Lenses Front and Center. *Review of Cornea & Contact Lenses*. April 2014.

Barnett, M. Corneal Collagen Cross-Linking and Photorefractive Keratectomy. *Ocular Surface Society of Optometry Newsletter*. April 2014.

Barnett, M. Mystifying...Multifocal IOLs Post-Lasik. *American Optometric Association Contact Lens and Cornea Section Newsletter*. April 2014.

Carrasquillo, K, Barnett, M. Scleral Lens Applications in Unique Populations. *Contact Lens Spectrum*. February 2014.

Barnett, M. Tear Osmolarity. American Optometric Association Contact Lens and Cornea Section Newsletter. February 2014.

Barnett, M. Don't Forget GP Options. *Optometric Management*. January 2014.

Barnett, M, Messer, B. A Review on the Advancements in Presbyopic Vision Correction in Gas Permeable Contact Lenses. Poster at GSLS. January 2014.

Barnett, M. A Novel Method for Scleral Contact Lens Complications – Piggybacking. Poster at GSLS. January 2014.

Barnett, M. Laser Cataract Surgery: What's the hype all about? *American Optometric Association Contact Lens and Cornea Section Newsletter*. December 2013.

Barnett, M. CXL and PRK. *American Optometric Association Contact Lens and Cornea Section Newsletter*. November 2013.

Barnett, M, Messer, B. The Developing Roles of Scleral Lenses in Today's Society. *Contact Lens Spectrum*. October 2013.

Barnett, M. Contact Lens Treatment for Corneal Edema. *Ocular Surface Society of Optometry Newsletter*. September / October 2013.

Barnett, M. Daily Disposable Contact Lens Update. *Ocular Surface Society of Optometry Newsletter*. June / July 2013.

Barnett, M. Superior Limbic Keratoconjunctivitis. *American Optometric Association Contact Lens and Cornea Section Newsletter*. May 2013.

Barnett, M. Obstructive Sleep Apnea in Keratoconus. *Ocular Surface Society of Optometry Newsletter*. May 2013.

Barnett, M, Messer, B. Do it Better, Do it Faster: The Developing Roles of Scleral Lenses in Today's Society. *Eye Witness. Publication of the Contact Lens Society of America*. March 2013. Volume 15, Issue 1.

Barnett, M. The How and Why of PTK for Treating Corneal Dystrophies. *American Optometric Association Contact Lens and Cornea Section Newsletter*. March 2013.

Barnett, M. Topical cyclosporine 0.05% for the treatment of meibomian gland dysfunction. *Ocular Surface Society of Optometry Newsletter*. March 2013.

Barnett, M. Dry Eye Awareness. *California Optometry*. March / April 2013.

Barnett, M, Miller, JR, Recalde, MR, Wan, K, Whittam, DM. Experts Weigh in on How to Ensure Success with Contact Lenses – Six Tried and True Pearls. *Advanced Ocular Care*. February 2013.

Barnett, M. Creating a Specialty Contact Lens Niche. *Optometric Management*. January 2013.

Barnett, M. Antimicrobial Power of Eye Proteins. *Ocular Surface Society of Optometry Newsletter*. December 2012.

Barnett, M. Tech Treatments for the Thinning Cornea. *Review of Cornea & Contact Lenses*. October 2012.

Barnett, M. 10 Tips for Smarter Scleral Lens Fitting. *Review of Cornea & Contact Lenses*. October 2012.

Barnett, M. Additional Indications for Corneal Collagen Cross-Linking. *Ocular Surface Society of Optometry Newsletter*. October 2012.

Barnett, M. Acupuncture Treatment for Dry Eyes. *Ocular Surface Society of Optometry Newsletter*. June 2012.

Barnett, M. Meibonitis Treatment. *Ocular Surface Society of Optometry Newsletter*. May 2012.

Pecego, M, Barnett, M, Mannis MJ, Durbin-Johnson, B. Jupiter Scleral Lenses – The UC Davis Eye Center Experience. *Eye & Contact Lens*. 2012 May;38(3):179-82.

Barnett, M. Success with Scleral Lenses for Severe Dry Eye. *Ocular Surface Society of Optometry Newsletter*. Feb 2012.

Barnett M, Mannis MJ. Contact Lenses in the Management of Keratoconus. *Cornea*. 2011Dec;30(12):1510-6.

Barnett M. When Conventional Lenses Fail. *Review of Cornea & Contact Lenses*. September 2011.

Barnett M. A Look at Corneal Crosslinking. *Review of Optometry*. August 2011.

Barnett M, Smiley, C. Which Soft Contact Lens Replacement Schedule do you Recommend? *Review of Cornea & Contact Lenses*. June 2011.

Barnett M. A Dual Approach to Treating Keratoconus. *Review of Cornea & Contact Lenses*. April 2011.

Barnett M. Post Hexagonal Keratotomy Scleral Lens Fit. *Poster at GSLS*. January 2011.  
Barnett M, Post Penetrating Keratoplasty Scleral Lens Fit. *SVOS Insight*. 2010.  
Barnett M, Synergeyes Contact Lenses. *SVOS Insight*. 2008.  
Mannis MJ, Barnett M. Contact Lens Wear in the Rosacea Patient. *Review of Ophthalmology*. 2006.  
Barnett M, Idiopathic Intracranial Hypertension – A Case Report. *SVOS Insight*. 2005.

## **LECTURES**

101 Uses of Contact Lenses – Therapeutic Indications  
(COPE approved 2 hours 45457-CL)  
Automatically Dry - Autoimmune disease and the Eye (1 hour)  
Basics of Scleral Lens Fitting: It's as Easy as 1-2-3 (Scleral Lens Workshop)  
(COPE approved 2 hours 41588-CL and 37847-CL)  
Care for Specialty Lenses  
(COPE approved 1 hour 38098-CL)  
Conquering the Steep Cornea – Contact Lenses in Keratoconus  
(COPE approved 1 hour 38104-CL)  
Contact Lenses for Baby Boomers - Contact Lenses for Presbyopia  
(COPE approved 1 hour 38096-CL)  
Contact Lenses for Baby Boomers - Contact Lenses for Presbyopia  
(COPE approved 2 hours 38445-CL)  
Corneal Collagen Cross-Linking  
(COPE approved 1 hour 40579-AS)  
Corneal Collagen Cross-Linking in Management of Corneal Ectasia  
(COPE approved 2 hours 34858-AS)  
Decision Making Process for Multifocal Contact Lens Prescribing  
(COPE approved 2 hours 47699-CL)  
Everything hat you ever wanted to know about Dry Eyes  
(COPE approved 2 hours 30185-AS)  
Fitting Full Scleral Lenses  
(COPE approved 1 hour 47595-CL)  
Future Indications of Corneal Collagen Cross-Linking  
Help Your Doctor Troubleshoot Unhappy Contact Lens Wearers  
Hormone Influence on Ocular Surface Disease  
(COPE approved 1 hour 45622-SD)  
New Technology in Tear Analysis for Contact Lens Wearers  
(COPE approved 1 hour 47584-CL)  
Ocular Surface Disease: Contact Lenses & Co-Management  
(COPE approved 2 hours 34979-AS)  
Oh-No, Contact Lens Casualties  
(COPE approved 1 hour 38105-CL and 42197-CL)  
Oh-No, Contact Lens Casualties and Complications  
Scleral Contact Lenses - Indications and Complications  
(COPE approved 1 hour 31489-CL, COPE approved 2 hours 38097-CL)  
Scleral Lenses: Applications, Lens Design, Fitting and Troubleshooting  
(COPE approved 3 hours)  
Scleral Lens Fitting and Troubleshooting for Ocular Surface Disease  
(COPE approved 1 hour 30185-AS and 36526-CL)  
Scleral Lens Indications  
(COPE approved 1 hour 43514-CL)  
Scleral Lenses for Really Sick Eyes  
(COPE approved 1 hour 43500-CL)

Surface Sickness Smörgåsbord  
(COPE approved 2 hours 40627-AS and 40638-AS)  
The Basics of Scleral Lens Fitting – Its as Easy as 1, 2, 3  
(COPE approved 2 hours 47701- CL)  
Troubleshooting Scleral Lens Complications  
(COPE approved 2 hours 38444-CL)  
Women in Optometry – Work Life Balance  
Fitting and Troubleshooting Scleral Lenses for Ocular Surface Disease  
(COPE approved 1 hour 40066-CL)  
Fitting and Troubleshooting Scleral Lenses for Normal Shaped Corneas and Ocular Surface Disease  
(COPE approved 1 hour 39928-CL)  
Women of Vision Present - Are We at Risk for Vision Morbidity?  
(COPE approved 40814-GO and 41439-GO)

### **PROFESSIONAL MEMBERSHIPS AND HONORS**

Board Certification in the American Board of Certification in Medical Optometry, 2012  
Fellowship in the Scleral Lens Education Society, 2011  
Fellowship in the American Academy of Optometry, 2004  
Young Optometrist of the Year, California Optometric Association, 2003  
Dean's Optometric Thesis Award, 2001  
American Optometric Association Student Leadership Award, 2000  
University of California, Berkeley School of Optometry Alumni Association  
American Optometric Association  
California Optometric Association  
Sacramento Valley Optometric Society  
American Academy of Optometry  
Scleral Lens Education Society  
Ocular Surface Society of Optometry  
American Optometric Association, Contact Lens & Cornea Section  
Tear Film and Ocular Surface Society

Diagnostic and Therapeutic License to Practice Optometry - State of California  
Certificate to treat Primary Open Angle Glaucoma, 1/2004