

Curriculum Vitae

Linda Rose, MD, Ph.D.

Associate Professor of Ophthalmology

Director, Cornea Service, University of New Mexico Health Sciences Center

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EDUCATION & TRAINING

- July 2005-June 2006 Cornea Fellowship, The Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD,
- July 2002-June 2005 Ophthalmology Residency, Scheie Eye Institute, University of Pennsylvania, Philadelphia, PA
- July 2001-June 2003 Transitional Internship, Department of Surgery, The University of Pennsylvania Presbyterian Hospital, Philadelphia, PA
- 1997-2001 M.D.
University of Maryland School of Medicine
- 1991-1997 Ph.D.
Johns Hopkins University, Department of Biology, Baltimore, MD
- 1984-1988 Bachelor of Science in Nursing
Louisiana State University School of Nursing, New Orleans, LA

GRANT SUPPORT

- 2010-2014 “The Use of Ranibizumab to control pterygium growth in recurrences and in non-surgical primary lesions.” Investigator Sponsored Trial, Genentech. \$90,000
- 2011-2012 University of New Mexico Research Allocations Committee (RAC) Grant awarded; Pterygium Surgical Technique and Outcomes in New Mexico. \$21,000
- 2008-2011 Association of American Medical Colleges Caring for the Community Grant; This \$23,000 award funded a service project designed to deliver eye care to the underserved in New Mexico, incorporating and training medical student volunteers. Photos and more information at: www.communityvisionproject.org

PEER-REVIEWED PUBLICATIONS

- 2016 **Rose, L.**, Byrd, J., and Qaseem, Y. Subtenon Injections of Ranibizumab arrest growth in early recurrent pterygium. *Eye and Contact Lens* 2016 Oct 7 (EPub ahead of print)
- 2014 Byrd, J., Longmire, M. Syme, N., Murray-Krezan, C., and **Rose, L.** A pilot study on providing ophthalmic training to medical students while initiating a sustainable eye-care effort for the underserved, *JAMA Ophthalmology* **132(3)**:304-9.

- 2009 **Rose, L.**, Kelliher, C., and Jun, AS. Endothelial Keratoplasty; Historical Perspectives, Current Techniques, Future Directions. *The Canadian Journal of Ophthalmology*. **44(4)**:401-5.
- 2008 **Rose, L.**, Briceno, C., Stark, W.J., Gloria, D.G., and Jun, AS. Assessment of eye bank-prepared posterior lamellar corneal tissue for endothelial keratoplasty. *Ophthalmology* **115(2)**:279-86.
- 2004 Koh, S.W., Coll, T.J., **Rose, L.**, Matsumoto, Y., Higginbotham, E.J. Antiglaucoma eye drop pulses—increased interleukin-6 secretion by Tenon’s capsule fibroblast cultures. *Journal of Glaucoma* **13(3)**: 200-209.
- 2003 Milam, A.H., Barakat, M.R., Gupta, N., **Rose, L.**, Aleman, T.S., Pianta, M.J., Cideciyan, A.V., Sheffield, V.C., Stone, E.M., and Jacobson, S.G. Clinicopathologic effects of mutant GUCY2D in Leber congenital amaurosis. *Ophthalmology* **110(3)**. 549-58.
- 2002 Milam, A.H., **Rose, L.**, Cideciyan, A.V., Barakat, M.R., Tang, W., Gupta, N., Aleman, T.S., Wright, A.F., Stone, E.M., Sheffield, V.C., and Jacobson, S.G. The nuclear receptor NR2E3 plays a role in human retinal photoreceptor differentiation and degeneration. *Proceedings of the National Academy of Sciences* **99(1)**: 473-478.
- 1998 **Rose, L** and Busa, W. B. (1998). Cross-talk between the phosphatidylinositol cycle and MAP kinase signaling pathways in *Xenopus* mesoderm induction. *Development, Growth, and Differentiation* **40**: 231-241.
- 1997 **Rose, L.** Dissertation; Laboratory of William Busa, PhD, Johns Hopkins University. "Signal transduction via the Phosphoinositide Signaling Pathway: Its role in establishing the body axis during mesoderm induction in *Xenopus* embryos."

BOOK CHAPTERS

- 2008 **Rose, L.**, Gottsch, J.D., Jakobs, F.M., and Stark, W.J. Chapter 48: Regrafting. Corneal Surgery. Brightbill editor, 4th Edition.

INVITED TALKS, COURSES, AND PRESENTATIONS

- 2016 PeriAnesthesia Nurses Association of New Mexico annual conference. “Corneal Transplant: Concepts for Operating Room Nurses and Technicians.” Taos, NM
- 2015 Queensland Eye Institute Ophthalmology Registrar’s teaching curriculum. “Current Updates for Corneal practice.” Princess Alexandra Hospital , Brisbane Australia.
- 2015 Women in Ophthalmology Annual Meeting “Dye eye Laboratory.” Scottsdale, AZ.
- 2015 Rocky Mountain Eye Annual Conference Guest Speaker “Cornea Updates for the comprehensive ophthalmologist.” Banff, Alberta.
- 2014 International Society for Ocular Pharmacology and Therapeutics “Outcomes of a phase 1 trial using Ranibizumab to control recurrent pterygium.” Annual meeting Reykjavik, Iceland.
- 2012-2014 American Academy of Ophthalmology, Course Director “Next generation technologies for the treatment of dry eye and meibomian gland dysfunction.” Annual meetings (Chicago 2012, New Orleans 2013, Chicago 2014)

2010-2014 American Academy of Ophthalmology, Course Co-instructor “Pterygium: The outcome measure is now cosmesis, not recurrence.” Annual meetings (Orlando 2011, Chicago 2012, New Orleans 2013, Chicago 2014)

2013 Pan-American Congress of Ophthalmology: Pterygium Surgery, My Way; Paper Session. Annual Meeting Rio de Janeiro, Brazil

2013 American Society for Cataract and Refractive Surgery; Panel member “Pterygium and Conjunctival Surgery.” Annual Meeting San Francisco, CA.

2012 Association of University Professors of Ophthalmology. A Novel method for assessing skill with the direct ophthalmoscope. Annual meeting, Miami FL

2012 Ranibizumab for recurrent pterygium. University of Pennsylvania Scheie Eye Institute, Annual alumni meeting guest speaker, Philadelphia, PA.

2012 A pterygium surgical technique that eliminates recurrences, invited speaker, Trung Tam Dao Tao Hospital, Hue, Vietnam.

2012 American Society for Cataract and Refractive Surgery Course Co-instructor “Conjunctival Surgery” Annual Meeting Chicago, IL.

2011 Ranibizumab for Recurrent Pterygium. International Society for Ocular Pharmacology and Therapeutics, Annual Meeting, Vienna, Austria.

2011 Medulloepithelioma misdiagnosed as congenital glaucoma. Canadian Ophthalmological Society Annual Meeting, Vancouver, BC.

2011 Pterygium: New medical and surgical approaches. Sankara Nethralaya Eye Center Chennai, India

2011 Pterygium: New medical and surgical approaches. Agarwal Eye Center Chennai, India

2010 University of Calgary Ophthalmology Residency Guest Lecture July 1, 2010 Endothelial Keratoplasty: Update on technique evolution and long-term outcomes.

2009 Corneal neovascularization induced by autologous serum eye drop use. The New Mexico Academy of Ophthalmology Annual Meeting, Albuquerque, NM.

2008 Endothelial Keratoplasty. Invited Speaker, New Mexico Academy of Ophthalmology Annual Meeting, Albuquerque, NM.

2006 Simplifying Endothelial Keratoplasty. Wilmer Resident Association Meeting, Johns Hopkins University, Baltimore, MD

2006 Descemet’s Stripping Endothelial Keratoplasty. Yale University Department of Ophthalmology, New Haven, CT.

2004 **Rose, L.,** Kherani, F., Rorke, L., and Katowitz, J.A. Orbital Primitive Neuroectodermal Tumor in a One Year Old Child. Canadian Ophthalmic Society Annual Meeting, Vancouver, BC

POSTERS

- 2016 Urias, E., Davis, R., and **Rose, L.** Outcomes of resident-performed cataract surgeries with toric lens implants. Women in Ophthalmology, annual meeting, Williamsburg, VA.
- 2014 Angadi, P., Bagga, A., and **Rose, L.** Outcomes of resident-performed cataract surgery in an immersion program. Association of University Professors of Ophthalmology Annual Meeting, Miami, FL.
- 2014 Velasco, D., Roman, J., and **Rose, L.** Outcomes of the P.E.R.F.E.C.T. for pterygium® in a U.S. southwest population. Association for Research on Vision and Ophthalmology Annual Meeting Fort Lauderdale, FL.
- 2012 Byrd, J. Rivera, S. and **Rose, L.** Ranibizumab for recurrent pterygium. Association for Research on Vision and Ophthalmology Annual Meeting Fort Lauderdale, FL.
- 2012 Roman, J., Byrd, J. and **Rose, L.** Application of P.E.R.F.E.C.T. for pterygium® in a U.S. southwest population. Association for Research on Vision and Ophthalmology Annual Meeting Fort Lauderdale, FL.
- 2009 Longmire, M., Finnerty, K, Rivera, S., Ryan, S., Sandoval, M., Iwamoto, T., **Rose, L.** A community project gives ophthalmic training to medical students and initiates a sustainable eye care effort for New Mexico's underserved. The American Academy of Ophthalmology Annual Meeting, San Francisco, CA.
- 2003 **Rose, L.**, Dentchev, T., Lee, V.M., Trojanowski, J.Q., Milam, A.H., and Dunaief, J.L. Survey of AMD and Normal Maculas for Amyloid-Beta Containing Vesicles. ARVO abstract 1726/B622. Poster session 257, AMD pathogenesis.
- 2002 **Rose, L.**, Cideciyan, A., Barakat, M.R., Tang, W., Gupta, N., Aleman, T.S., Wright, A.F., Stone, E.M., Sheffield, V.C., Jacobson, S.J., and Milam, A.H. The nuclear receptor NR2E3 plays a role in human retinal photoreceptor differentiation and degeneration. ARVO abstract 806/B781. Poster session 136, Molecular basis of human ocular diseases.
- 2002 Barakat, M.R., **Rose, L.**, Tang, W.X., Aleman, T.S., Pianta, M.J., Cideciyan, A.V., Sheffield, V.C., Stone, E.M., Jacobson, S.G., and Milam, A.H. Clinicopathologic Analysis of the Retina of a Young Patient with Leber Congenital Amaurosis.. ARVO abstract 4604/B573. Poster session 548, Gene therapy and gene delivery.

LICENSES AND CERTIFICATIONS

- Nov 2007- present Board Certified, American Board of Ophthalmology
- Jan 2007- present State Medical License, New Mexico Medical Board

HONORS/AWARDS

- 2010 Scholarship in Education Allocations Committee (SEAC) Award for Medical Education. Research on novel approaches for teaching medical students the eye exam. \$10,000
- 2001 George Frick Award for Excellence in Ophthalmology, University of Maryland School of Medicine

- 2000 National Eye Institute Fellowship Award “Fundamental Issues in Vision Research” course, Marine Biological Laboratory, Woods Hole, MA.
- 1998 MSIRT (Medical Student International Research Training) Scholar, see “International Projects” below

INTERNATIONAL PROJECTS

- November 2012 Surgical Eye Expeditions International Volunteer, Teaching phacoemulsification to residents in Hue, Vietnam
- February 2011 Surgical Eye Expeditions International Volunteer, Manual Small Incision Cataract Surgery; Guthrat India
- December 2010 Surgical Eye Expeditions International, Volunteer, Tecate, Mexico.
Jan-Feb 2005 Himalayan Cataract Project, Kathmandu, Nepal. Volunteer ophthalmologist at the Tilganga Eye Center and on two rural surgical eye camp missions.
- Nov-Dec 2001 Ophthalmology Elective, Pilar School of Medicine, Buenos Aires Argentina.
- April 2001 Wat Pah Nanachat International Monastery, Thailand. Participated in monastic life as a novice community member.
- June-Aug 1998 Dominican Republic, Community-based research: Developed/administered a survey to assess adolescent risk behaviors in schools and public clinics.
- July-Aug 1997 Antigua, Guatemala-- Total immersion language school at “Escuela de Maya.” Lived with a local family and attended school daily with a private tutor for one month.

ACADEMIC ACTIVITIES

- 2014-present EyeWiki corneal board of editors.
- 2014-present Editorial Board “*Eye and Contact Lens.*”
- 2012-present Reviewer for the Journal “Cornea.”
- 2013 University of New Mexico School of Medicine Curriculum Committee
- 2009-present Medical Student Ophthalmology Clerkship Director and Match Advisor, University of New Mexico

UNIQUE TEACING EXPERIENCES

- 2003-2005 Yoga Instructor, University of Pennsylvania Pottruck Center Gymnasium, Philadelphia, PA and The University Arts League.
- Summers 1993-1995 Marine Biological Laboratory, Woods Hole, MA, Teaching Assistant, Physiology Course; fluorescence microscopy and signal transduction

PERSONAL INTERESTS

Certified Yoga Instructor (Kripalu since 2001), Latin Dance, Blues Dance, Ballet, Certified Diver, Skiing (downhill and cross country), Biking, Hiking, Kayaking

LANGUAGES

Spanish: converse comfortably and easily in all medical manners and most topics, able to consent and explain most care without interpreter.