

CURRICULUM VITAE

Jeffrey L. Olson, M.D.

PREDOCTORAL EDUCATION:

Pre-medical: University of Virginia, Charlottesville (1989-1993)
Medical: University of Colorado School of Medicine, Denver (1995-1999)

POSTDOCTORAL TRAINING:

Internship: Marshfield Clinic, Marshfield WI (1999-2000)
Residency: University of Colorado, Denver CO (2000-2003)
Fellowship: Vitreoretinal Diseases, University of Colorado, Department of Ophthalmology, Denver, CO (2003-2004)

MEDICAL SCHOOL APPOINTMENTS:

2003 – 2004 Instructor of Ophthalmology, Rocky Mountain Lions Eye Institute, University of Colorado, Denver, Colorado
2004 –2009 Assistant Professor of Ophthalmology, Rocky Mountains Lions Eye Institute, University of Colorado, Denver, Colorado
2009-present Associated Professor of Ophthalmology, Rocky Mountains Lions Eye Institute, University of Colorado, Denver, Colorado

HONORS AND ACHEIVMENTS:

1989 Letter of Commendation, National Merit Scholarship Program
1990-1993 University of Virginia, Dean's Honor List
2004-09 Steamboat Marathon
2005-06 Boulder Backroads Marathon
2007 Department of Ophthalmology Academic Teaching Award
2007-08 Steamboat 50 Mile Ultramarathon
2009 Boston Marathon

PROFESSIONAL/ COMMUNITY SOCIETIES:

American Academy of Ophthalmology
Association for Research in Vision and Ophthalmology
American Society of Retinal Specialists

LICENSES: State of Colorado

GRANTS:

A Multi-center, randomized, masked, controlled study to evaluate the safety and efficacy of Anecortave Acetate in reducing the risk of exudative age-related macular degeneration. Sponsor: Alcon, Inc. (\$200,000). Sub-investigator.

National Institute of Health Summer Research Program,. Funds for medical student research under my supervision on project focusing on inhibition of angiogenesis in an animal model of laser induced choroidal injury.
Dates: 7/05-8/05. (\$3,462)

Age Related Macular Degeneration Fund, University of Colorado Department of Ophthalmology. Creation of laboratory to investigate anti-angiogenic compounds. (\$180,000). Laboratory Director.

Protein LD222-4 Inhibition of Proliferative Vitreoretinopathy in a Rabbit Model, Motility Inc. (\$60,000) Principal Investigator.

New Generation Irrigating Solution for Vitrectomy in Epiretinal Membranes. Alcon (\$43,200) Principal Investigator.

A PHASE III, DOUBLE-MASKED, MULTICENTER, RANDOMIZED, SHAM-CONTROLLED STUDY OF THE EFFICACY AND SAFETY OF RANIBIZUMAB INJECTION IN SUBJECTS WITH CLINICALLY SIGNIFICANT MACULAR EDEMA WITH CENTER INVOLVEMENT SECONDARY TO DIABETES MELLITUS. Genetech (\$312,880.00.) Principal Investigator.

Ranibizumab for Non-Arteritic ischemic Optic Neuropathy ORION Study. Genetech. Co-Investigator.

A PHASE III, MULTICENTER, RANDOMIZED, SHAM INJECTION-CONTROLLED STUDY OF THE EFFICACY AND SAFETY OF RANIBIZUMAB INJECTION COMPARED WITH SHAM IN SUBJECTS WITH MACULAR EDEMA SECONDARY TO BRANCH RETINAL VEIN OCCLUSION, BRAVO Study. Genetech. Sub-Investigator.

A PHASE III, MULTICENTER, RANDOMIZED, SHAM INJECTION-CONTROLLED STUDY OF THE EFFICACY AND SAFETY OF RANIBIZUMAB INJECTION COMPARED WITH SHAM IN SUBJECTS WITH MACULAR EDEMA SECONDARY TO CENTRAL RETINAL VEIN OCCLUSION, CRUISE Study, Genetech. Sub-Investigator.

A RANDOMIZED, PLACEBO CONTROLLED, DOUBLE-MASKED, MULTICENTER TRIAL OF MICROPLASMIN INTRAVITREAL INJECTION FOR NON-SURGICAL TREATMENT OF FOCAL VITREOMACULAR ADHESION. MIVI-TRUST Study. Sub-Investigator.

Photoreceptor Stimulation in a Porcine Model of Progressive Blindness (\$58,006) . 2C Tech, Incorporated. Principal Investigator.

ADMINISTRATION/UNIVERSITY SERVICE:

2004 -present Secretary, Clinical Committee, Department of Ophthalmology, UCHSC
2004 -present Chair, Clinical Laboratory Sub-Committee, Department of Ophthalmology, UCHSC
2004 -present Residency Selection Committee, Department of Ophthalmology, UCHSC
2004 -present Clinical Faculty Promotions Committee, Department of Ophthalmology, UCHSC
2004-2007 Director of Clinical Research
2009-present Chair of Quality Assurance

Courses/Lectures :

Perfluorocarbon Liquids in Macular Hole Surgery. 8th Annual Symposium, Rocky Mountain Lions Eye Institute, September 10th, 2004.

Fundamentals of Ophthalmology. UCHSC Basic Science Course, Rocky Mountain Lions Eye Institute, October 18, 2004.

Protection of the Retinal Pigment Epithelium During Macular Hole Surgery. American Academy of Ophthalmology, New Orleans, LA October 26, 2004.

Complications of Intravitreal Triamcinolone. Grand Rounds, Rocky Mountain Lions Eye Institute, November 3,

2004.

Optical Coherence Tomography Evaluation of Vitreoretinal Interface Disorders. 9th Annual Symposium, Rocky Mountain Lions Eye Institute, September 24, 2005.

Condiments in Vitreoretinal Surgery. American Academy of Ophthalmology, Chicago, IL October 17, 2005.

Inhibition of Angiogenesis in an Animal Model. 10th Annual Symposium, Rocky Mountain Lions Eye Institute, September 2006.

Diseases of the Retina and Vitreous. UCHSC Basic Science Course, Rocky Mountain Lions Eye Institute, April, 2007.

Diabetic Retinopathy and Patient Screening in a Primary Care Practice. Ophthalmology for the Primary Care Provider Symposium. Denver, CO. April 2007.

Immunomodulators and Intraocular Angiogenesis. University of Colorado Vision Research Consortium. September, 2007.

Retinal Anatomy and Physiology. UCHSC Basic Science Course, Rocky Mountain Lions Eye Institute, Aurora CO. October, 2007.

Off-label Ophthalmic Uses of Anti-angiogenic drugs. 11th Annual Symposium, Rocky Mountain Lions Eye Institute, October 2007.

Surgical Management of Diabetic Retinopathy. 12th Annual Symposium, Rocky Mountain Lions Eye Institute, September 2008.

PUBLICATIONS (peer reviewed):

1. **Olson JL**, May MJ, Stork L, Kadan N, Bateman JB Acute megakaryoblastic leukemia in Down Syndrome: orbital infiltration. *American Journal of Ophthalmology*. 130(1):128-30, 2000 Jul.
2. **Olson JL**, Jacobson DM. Comparison of clinical associations of patients with vasculopathic and idiopathic downbeat nystagmus. *Journal of Neuro-Ophthalmology*. 21(1):39-41, 2001 Mar.
3. **Olson JL**, Mandava N. Bilateral intraocular involvement in Lemierre's syndrome. *Br J Ophthalmol*. 2006 Feb;90(2):249-50.
4. **Olson JL**, Mandava N. Macular hole formation associated with idiopathic parafoveal telangiectasia. *Graefes Arch Clin Exp Ophthalmol*. 2006 Mar;244(3):411-2.
5. **Olson JL**, Mandava N. Protecting the retinal pigment epithelium during macular hole surgery. *Clin Experiment Ophthalmol*. 2005 Dec;33(6):576-7.
6. Kahook MY, **Olson JL**, Mandava N. Long term follow-up of intraocular pressure elevation in patients post intravitreal triamcinolone acetate injection. *Vision Pan-America 2005 December*;IV(4):9-11.
7. Levi M, Weinberg A, Chan LK, Mandava N, **Olson JL**. Vitreous Concentrations of Orally Administered Leflunomide. *Transpl Infect Dis*. 2006 Mar;8(1):38-43.
8. Gelston C, **Olson JL**, Mandava N. Intravitreal Triamcinolone for the Treatment of Central Retinal Vein Occlusion. *Acta Ophthalmol Scand*. 2006 Jun;84(3):314-8.
9. **Olson JL**, Ciardella AP. Bilateral Foveal Neurosensory Detachment in Malignant Hypertension. *Eye*. 2006 Mar 31.
10. Mandava N, Kahook M, Mackenzie D, **Olson JL**. Anterior Buckling Procedure for Persistent Hypotony. *Ophthalmic Surg Lasers Imaging*. 2006 Mar-Apr;37(2):151-3.

11. Prall RF, Drack AV, Taylor M, Ku L, **Olson JL**, Gregory D, Mandava N. Ophthalmic Manifestations of Dannon Disease. *Ophthalmology*. 2006 Jun;113(6):1010-3.
12. Rudometkin N, Deane K, Olson JL, Mandava N. Infliximab in uveitis treatment (Letter to Editor). *Archives of Ophthalmology*.
13. **Olson JL**, Bennett J, Mandava N. Cerebellar and retinal vascular lesions in a post partum patient. *Am Fam Physician*. 2007; 75:393-394.
14. **Olson JL**, Courtney RJ, Mandava N. Intravitreal infliximab and choroidal neovascularization in an animal model. *Arch Ophthalmol*. 2007 Sep;125(9):1221-4.
15. Schiff WM, Hwang JC, Ober MD, **Olson JL**, Dhrami-Gavazi E, Barile GR, Chang S, Mandava N. Safety and efficacy assessment of chimeric ribozyme to proliferating cell nuclear antigen to prevent recurrence of proliferative vitreoretinopathy. *Arch Ophthalmol*. 2007 Sep;125(9):1161-7.
16. Bennett JL, Thomas S, **Olson JL**, Mandava N. Treatment of Nonarteritic Anterior Ischemic Optic Neuropathy With Intravitreal Bevacizumab. *J Neuroophthalmol*. 2007 Sep;27(3):238-240.
17. Gohel PS, Mandava N, **Olson JL**, Durairaj VD. Age-related macular degeneration: an update on treatment. *Am J Med*. 2008 Apr;121(4):279-81.
18. **Olson JL**, Rouhani B, Mandava N. Sub-Tenon's Triamcinolone for Purtscher's-like Retinopathy. *Clinical Ophthalmology*. 2008;2(1) 195-198.
19. Olson JL, Courtney RJ, Rouhani B, Mandava N, Dinarello CA. Intravitreal anakinra inhibits choroidal neovascular membrane growth in a rat model. *Ocul Immunol Inflamm*. 2009 May-Jun;17(3):195-200.
20. Dixon JA, Oliver SC, Olson JL, Mandava N. VEGF Trap-Eye for the treatment of neovascular age-related macular degeneration. *Expert Opin Investig Drugs*. 2009.

CHAPTERS (INVITED)

1. **Olson JL**, Mandava, N. "Fluorescein Angiography" in Atlas of Posterior Segment Imaging. Eds Huang D, Kaiser PK. Lowder C, Traboulsi E. London, Mosby, 2004
2. Iranmanesh R, **Olson JL**, Mandava N. "Idiopathic Parafoveal Telangiectasia" in Atlas of Posterior Segment Imaging. Eds Huang D, Kaiser PK. Lowder C, Traboulsi E. London, Mosby, 2004
3. **Olson JL**, Mandava N. Fluorescein Angiography, ICG Angiography, and Optical Coherence Tomography. In: M Yanoff, JS Duker, editors. *Ophthalmology*. London, Mosby, 2006.

PUBLICATIONS (non-peer reviewed)

1. **Olson JL**, Mandava N. Pars Plana Vitrectomy for Delayed Postoperative Hemorrhagic Cystoid Macular Edema. *Digital Journal of Ophthalmology and Visual Science*, November, 2004.

ABSTRACTS/POSTERS

1. **Olson JL**, Jacobson DM. Comparison of clinical associations of patients with vasculopathic and idiopathic downbeat nystagmus. 26th Annual NANOS Meeting, March 2000, Tremblant, Quebec.
2. A.P. Ciardella, **JL Olson**. Combined Clear Cornea Phacoemulsification with Posterior Chamber Intraocular lens Implantation and Pars Plana Vitrectomy for Complicated Proliferative Diabetic Retinopathy in Phakic Eyes. Association for Research in Vision and Ophthalmology, annual meeting, Apr 25, 2004.(Poster 4072/B533)
3. M.Kahook, **JL Olson**, N.Mandava. Incidence of Increased Intraocular Pressure After Intravitreal Triamcinolone Acetonide Injection . Association for Research in Vision and Ophthalmology, annual meeting, May 01, 2005. (Poster 135/B109)
4. R. Doherty, **JL Olson**, N.Mandava, A.P. Ciardella. Clinical Detection of Macular Edema in Diabetic Patients

- Using the Automated Retinal Imaging System (ARIS). Association for Research in Vision and Ophthalmology, annual meeting , May 01, 2005 (Poster 364/B338)
5. A.K. Shah, N.Mandava, **JL Olson** Three-way comparison of Photodynamic Therapy With and Without Adjunctive Sebtenon's or Intravitreal Triamcinolone Acetonide in the Treatment of Choroidal Neovascularization associated with Age-Related Macular degeneration. Association for Research in Vision and Ophthalmology, annual meeting , May 2006 (Poster 36/B1029).
 6. L.Zimski, **J. Olson**, N.Mandava. Immune Recovery Uveitis Associated with FK 506 (Tacrolimus) Use After Renal Transplantation. Association for Research in Vision and Ophthalmology, annual meeting , May 2006 (Poster 3071/B224).
 7. R.Prall, A.Drack, D.Gregory, **J. Olson**, M.Taylor, N.Mandava. Ophthalmic Manifestations of Danon Disease. Association for Research in Vision and Ophthalmology, annual meeting , May 2006 (Poster 3071/B224).
 8. D.L. MacKenzie, **J.L. Olson**, M.Y. Kahook, N.Faberowski, N.Mandava. Biometric and Intraocular Pressure Evaluation of Eyes Post Intravitreal Triamcinolone Acetonide and Intravitreal Pegaptanib Injection. Association for Research in Vision and Ophthalmology, annual meeting , May 2006 (Poster 4245/B916).
 9. N.J. Rudometkin, **J.L. Olson**, A.P. Ciardella, N.Mandava. Initial Fellow Surgical Efficiency and Complication Rates Comparing 20 vs. 25-Gauge Vitrectomy. Association for Research in Vision and Ophthalmology, annual meeting , May 2006 (Poster 4662/B997).
 10. P.Gohel, N.Mandava, **J. Olson**. Vitreous Hemorrhage after Vitrectomy for Proliferative Diabetic Retinopathy Association for Research in Vision and Ophthalmology, annual meeting , May 2006 (Poster 5266/B681)
 11. **J. Olson**, R. Jackson Courtney, N. Mandava. Intravitreal Anakinra Inhibits Growth of Choroidal Neovascular Membranes in an Animal Model. Combined Meeting of the Club Jules Gonin and The Retina Society, Cape Town, South Africa, October 2006.
 12. N. Mandava, R. Jackson Courtney, **J. Olson**. Intravitreal Infliximab Inhibits Growth of Choroidal Neovascular Membranes in an Animal Model. Combined Meeting of the Club Jules Gonin and The Retina Society, Cape Town, South Africa, October 2006.
 13. B. Rouhani, N. Mandava, **J. Olson**. Central Retinal Vein Occlusion after Intense Exercise in Healthy Patients. Association for Research in Vision and Ophthalmology, annual meeting , May 2007.
 14. Mandava N, Korotkin A, Bennett J, **Olson J**, Quiroz-Mercado H. New Indications for Anti-VEGF Therapy: Retinal Arterial Macroaneurysm (RAM) and Nonarteritic Ischemic Optic Neuropathy (NAION) 31st Annual Macula Society Meeting, Palm Beach, Florida, January 2008.
 15. **Olson J**, Courtney RJ, Mandava N. Intravitreal Anti-Fibroblast Agent in an Animal Model of Choroidal Neovascularization. American Society of Retinal Specialists, Maui, Hawaii, October 2008.
 16. C.K. Pan, N. Mandava, S. Oliver, H. Quiroz-Mercado, J.L. Olson. Comparison of Concentration and Dosage of Intravitreal Recombinant IL-1 Receptor Antagonist in the Treatment of Choroidal Neovascular Membranes in a Rat Model. Association for Research in Vision and Ophthalmology, Annual Meeting Fort Lauderdale, May 2009 (Poster 2971/A425).
 17. A.M. Hendrick, N. Mandava, H. Quiroz-Mercado, S. Oliver, V. Pelak, **J. Olson**. Bevicizumab for Parry-Romberg Syndrome (PRS) Associated Optic Nerve Edema: An Optical Coherence Tomography (OCT) Case Report. . Association for Research in Vision and Ophthalmology, Annual Meeting Fort Lauderdale, May 2009 (Poster 3261/A279).
 18. R.J. Courtney, N. Mandava, S. Oliver, H. Quiroz-Mercado, J.L. Olson. Intravitreal Inhibition of CNV in an Animal Model: A Comparison of Infliximab, Anakinra and LD22-4. Association for Research in Vision and Ophthalmology, Annual Meeting Fort Lauderdale, May 2009. (Poster 2964/A418).
 19. A. Korotkin, H. Quiroz-Mercado, N. Mandava, J.L. Olson, S.C. Oliver, G. Garcia, A. Grinblat. Vitreo-Retinal Dissector (VRD) for Pars Plana Vitrectomy Association for Research in Vision and Ophthalmology, Annual Meeting Fort Lauderdale, May 2009. (Poster 4459/A596).
 20. J.A. Dixon, J.L. Olson, V.D. Durairaj, N. Mandava. The Rate of Ptosis Following Subtenons Corticosteroid Injection Association for Research in Vision and Ophthalmology, Annual Meeting Fort Lauderdale, May 2009. (Poster 5014/A615).

REVIEWER

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