

Curriculum Vitae
Luv Girish Patel

ADDRESS: Retina Center of Texas
305 Morrison Park Drive Suite #100
Southlake, Texas 76092

EDUCATION: Bachelor of Arts, Biochemistry, Economics, Biophysics,
summa cum laude, University of Pennsylvania, 2010

Masters of Sciences, Chemistry, University of
Pennsylvania, 2010

Doctor of Medicine, Harvard Medical School, 2015

University of California, Irvine, Department of Internal
Medicine, Orange, CA, Preliminary Intern, 2016

University of Southern California, Department of
Ophthalmology, Los Angeles, CA, Ophthalmology
Resident, 2016 – 2019

Wills Eye Hospital, Department of Ophthalmology,
Philadelphia, PA, Vitreoretinal Surgery Fellow, 2019 –
2021

Retina Center of Texas, Southlake, TX, Associate
Vitreoretinal Surgeon, 2021- Present

ACADEMIC APPOINTMENTS

- Clinical Instructor, Thomas Jefferson University, Philadelphia, PA, 2019-2021.

LICENSURE AND BOARD CERTIFICATION

- Diplomate of American Board of Ophthalmology, November 2021
- Medical Board of California, Physician and Surgeon A, License Number: A147053
- Board of Medicine, Pennsylvania, Medical Physician and Surgeon, License
Number: MD467583
- Texas Medical Board, Physician License, T2464

PROFESSIONAL ORGANIZATIONS:

- American Society of Retina Surgeons
- Association for Research in Vision and Ophthalmology
- American Academy of Ophthalmology

HONORS AND AWARDS:

- Howard Hughs Medical Research Fellowship (June 2012 – May 2013)
- Dean's Scholar, University of Pennsylvania, College of Arts and Sciences (May 2010)
- Phi Beta Kappa (2009)
- Vagelos Scholar in Molecular Life Science (Summer 2008, Summer 2009)

PRESENTATIONS and ABSTRACTS

1. **Patel L**, Peck TJ, Starr MR, Ammar M, Khan M, Yonekawa Y, Klufas M, Regillo C, Ho A, Xu D. Clinical Presentation of Rhegmatogenous Retinal Detachment During the 2020 COVID-19 Pandemic: A Historical Case Control Study. Accepted for podium presentation at the Retina Society Annual Meeting 2020 VR.
2. Starr M, Ammar M, **Patel L**, Boucher N, Yonekawa Y, Garg S, Hsu J, Ho A, Regillo C, Chiang A. Post-operative hemorrhagic complications in patients on direct oral anticoagulants undergoing pars plana vitrectomy. Accepted for podium presentation at the Retina Society Annual Meeting 2020 VR.
3. **Patel L**, Ammar M, Starr M, Cai L, Ho A. Factors Associated with Risk of Retinal Surgery Cancellation. Poster Presentation at American Society of Retina Specialists Annual Meeting, Virtual, July, 2020.
4. Starr M, Xu D, **Patel L**, Ammar M, Pandit R, Jenkins T, Boucher N, Saroj N, Ho A. Characterizing progression to neovascular age-related macular degeneration in the fellow eyes of patients with treated with intravitreal anti-vascular endothelial growth factor injections. Accepted for podium presentation at the American Society of Retinal Specialists Annual Meeting, Seattle, WA, July 27th, 2020.
5. **Patel L**, Ammar M, Starr M, Xu D, Khan MA. Too Much Traction for Satisfaction. Podium presentation at Atlantic Coast Retina. New York, NY, January 9th, 2020.
6. **Patel L**, Toy B, Rao, NR. Very Konfusing Humps. Podium Presentation at Resident Grand Potpourri. Los Angeles, CA, February 9th, 2019.
7. **Patel L**, Reznik A. Let's Get Shredded. Podium Presentation at Resident Grand Potpourri. Los Angeles, CA, January 20th, 2018.
8. **Patel L**, Berry JL. One Hot Mess. Podium presentation at 3rd USC Ocular Oncology Conference. Los Angeles, CA, December 9th, 2017.
9. **Patel L**, Ediriwickrema, LS, Patel, VR. Acute Vision Loss Attributed to Optic Neuritis at a Level One Trauma Center and County Hospital. Poster presentation at

Association for Research in Vision and Ophthalmology 2017 Annual Meeting.
Baltimore, MA, May 11th, 2017.

10. **Patel L**, Randelman JB. An Inflammatory Situation. Podium presentation at #Trending Topics in Ophthalmology @ The Terranea 2017. Rancho Palos Verde, CA, February 3rd, 2017.
11. **Patel L**, Kim J, Berry JL. Put a Ring on It. Podium presentation at 2nd USC Ocular Oncology Conference. Los Angeles, CA, November 5th, 2016.
12. **Patel L**, Paranal RM, Ryan J, Sarosiek K, Bradner JE, Letai A. Small molecular inhibitors of membrane-bound MCL-1 and BCL-2. Washington DC, April 9th, 2013.

PUBLICATIONS:

A. Manuscripts

1. Starr MR, Huang D, Israilevich R, Ammar M, **Patel LG**, Gupta O, Fineman M, Hsu J, Kaiser R, Kuriyan AE, Mehta S, Park C, Spirn M, Martin S, Chatterjee A, Lee D, Pro M, Moster MR, Garg S, Yonekawa Y. Endophthalmitis following minimally invasive glaucoma surgery. *Ophthalmology*. 2021. Jun 5:S0161-6420(21)00414-0. doi: 10.1016/j.ophtha.2021.06.004. Online ahead of print.
2. Starr MR, Xu D, Boucher N, Saroj N, **Patel LG**, Ammar M, Pandit RR, Jenkins TL, Ho AC. Characterizing progression to neovascular age-related macular degeneration in the fellow eyes of patients with treated with intravitreal anti-vascular endothelial growth factor injections. *Ophthalmic Surg Lasers Imaging Retina*. 2021 Mar;52(3):123-128.
3. Starr MR, Yonekawa Y, Obeid A, Ryan EH, Ryan C, Ammar M, **Patel LG**, Forbes NJ, Capone A Jr, Emerson GG, Joseph DP, Elliott D, Regillo CD, Hsu J, Gupta OP, Kuriyan AE; Primary Retinal Detachment Outcomes (PRO) Study Group. Comparison of visual and anatomical outcomes following rhegmatogenous retinal detachment surgery using 23-gauge versus 25-gauge vitrectomy (PRO Study Report No. 12). *Ophthalmic Surg Lasers Imaging Retina*. 2021 Feb 1;52(2):70-76.
4. Starr MR, Cai L, Obeid A, Ryan EH, Elliott D, Ryan C, Forbes NJ, Ammar M, **Patel LG**, Capone A, Emerson GG, Joseph DP, Gupta OP, Regillo CD, Hsu J, Yonekawa Y; Primary Retinal Detachment Outcomes (PRO) Study Group. Risk Factors for Presence of Cystoid Macular Edema following Rhegmatogenous Retinal Detachment Surgery. *Curr Eye Res*. 2021 May 21:1-9.

5. Starr MR, Hsu J, Yonekawa Y, Mittra RA, Ryan C, Forbes NJ, Ammar M, **Patel LG**, Obeid A, Capone A Jr, Emerson GG, Joseph DP, Elliott D, Gupta OP, Regillo CD, Ryan EH; Primary Retinal Detachment Outcomes (PRO) Study Group. Surgical techniques for primary rhegmatogenous retinal detachments between surgeons with high versus low single surgery success rates. *Acta Ophthalmol.* 2021 Mar 15.
6. Starr MR, **Patel LG**, Ammar M, Yonekawa Y. Opioids and ophthalmology: review of the current literature. *Curr Opin Ophthalmol.* 2021 May 1;32(3):209-213.
7. **Patel LG**, Peck T, Starr MR, Ammar MJ, Khan MA, Yonekawa Y, Klufas MA, Regillo CD, Ho AC, Xu D. Clinic presentation of Rhegmatogenous Retinal Detachment During the COVID-19 Pandemic: A Historical Cohort Study. *Ophthalmology.* 2021 May;128(5):686-692.
8. Starr MR, Israilevich R, Zhitnitsky M, Cheng E, Soares R, **Patel LG**, Ammar M, Khan M.A., Yonekawa Y, Ho A, Cohen M, Sridhar J, Kuriyan A. Practice patterns and responsiveness to simulated common ocular complaints among US ophthalmology centers during the COVID-19 pandemic. Accepted for publication in *JAMA Ophthalmology*.
9. Starr MR, Obeid A, Ryan EH, Ryan C, Ammar MJ, **Patel LG**, Forbes NJ, Capone A, Emerson, GG, Joseph DP, Elliott D, Gupta O, Regillo CD, Hsu J, Yonekawa Y. Retinal detachment with inferior retinal breaks: Primary vitrectomy versus vitrectomy with scleral buckle (PRO Study Report No. 9). *RETINA.* 2020; Publish Ahead of Print. doi:10.1097/IAE.0000000000002917
10. Starr MR, Ammar M, **Patel LG**, Wang J, Ryan E, Ryan C, Rodriguez M, Stefater J, Forbes N, Gupta O, Capone A, Emerson G, Joseph D, Elliott D, Yonekawa Y. For the Primary Retinal Detachment Outcomes (PRO) Study Group. Prophylactic internal limiting membrane peeling during rhegmatogenous retinal detachment surgery. Accepted for publication in *Acta Ophthalmology*.
11. Starr MR, Matsunaga D, Ammar M, **Patel LG**, Wang J, Ryan E, Ryan C, Rodriguez M, Stefater J, Forbes N, Capone A, Emerson G, Joseph D, Elliott D, Regillo C, Hsu J, Yonekawa Y, Gupta O. For the Primary Retinal Detachment Outcomes (PRO) Study Group. Surgical outcomes of rhegmatogenous retinal detachments with and without concurrent macular holes (PRO Study Report No. 7). Accepted for publication in *OSLI Retina*.
12. Ammar MJ, **Patel LG**, Starr MR, Dunn JP. Advanced Tubercular Ampiginous-Like Choroiditis. Accepted for publication in *Digital Journal of Ophthalmology*.
13. **Patel LG**, Starr MR, Ammar M, Yonekawa Y. Scleral fixated secondary intraocular lenses: a review of recent literature. *Curr Opin Ophthalmol.* 2020 May;31(3):161-166. PMID: 32235250.

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14. Berry JL, Lee R, **Patel LG**, Le BH, O'Fee J, Jubran R, Kim JW. Posterior Vitreous Detachment and the Associated Risk of Retinal Toxicity with Intravitreal Melphalan Treatment for Retinoblastoma. *Ocular Oncology and Pathology*. 1-7. 10.1159/000493687.
 15. Price AM, Dai J, Bazot Q, **Patel LG**, Nikitin PA, Djavadian R, Winter PS, Salinas CA, Barry AP, Wood KC, Johannsen EC, Letai A, Allday MJ, Luftig MA. Epstein-Barr virus ensures B cell survival by uniquely modulating apoptosis at early and late times after infection. *Elife*. 2017 Apr 20;6.
 16. Allen JE, Krigsfeld G, **Patel LG**, Mayes PA, Dicker DT, Wu GS, El-Deiry WS. Identification of TRAIL-inducing compounds highlights small molecule ONC201/TIC10 as a unique anti-cancer agent that activates the TRAIL pathway. *Molecular Cancer*. 2015 May 1;14:99.
 17. Sarosiek KA, Chi X, Bachman JA, Sims JJ, Montero J, **Patel LG**, Flanagan A, Andrews DW, Sorger P, Letai A. (2013). BID preferentially activates BAK while BIM preferentially activates BAX, affecting chemotherapy response. *Molecular Cell* 51:751-65.
 18. Allen JE, Krigsfeld G, Mayes PA, **Patel L**, Dicker DT, Patel AS, Dolloff NG, Messaris E, Scata KA, Wang W, Zhou JY, Wu GS, El-Deiry WS. (2013). Dual inactivation of Akt and ERK by TIC10 signals Foxo3a nuclear translocation, TRAIL gene induction, and potent antitumor effects. *Science Translational Medicine* 5:171.

B. Book Chapters, Editorials, and Perspectives

19. **Patel LG**, Regillo CD. *Wills Eye Manual*, 7th edition. Diabetic Retinopathy. Vitreous Hemorrhage. Dry Age-Related Macular Degeneration. Wet Age-Related Macular Degeneration. Publication date TBD.
20. **Patel LG**, Xu, D. Gels and Genes: Novel Ways to Intervene! A Summary of VBS 2020. *Retina Today*. July/August 2020.
21. **Patel LG**, Hsu, J. Flashing, blind spots and retinal dots. *Retinal Specialist Magazine*. February 7, 2020.