

CIRRICULUM VITAE

Date prepared: 12/1/2015

Name: Peter L. Lou
 Date of Birth: December 9, 1945
 Place of Birth: Shanghai, China

Education:

9/1963-5/1967 B.Sc. (Hons.) University of Ottawa, Ottawa, Ontario, Canada
 (Physiology)
 7/1967-5/1970 M.Sc. McMaster University, Hamilton, Ontario, Canada
 (Molecular Biology)
 9/1970-6/1074 M.D. University of Ottawa, Ottawa, Ontario, Canada

Postdoctoral Training:**Internships and Residencies:**

7/1974-6/1975 Straight Intern, Ophthalmology, The Sunnybrook
 Hospital and The Hospital for Sick Children, Toronto
 7/1975-6/1976 Resident, Ophthalmology, University of Toronto
 7/1976-6/1977 Chief Resident, Ophthalmology, University of Toronto

Clinical and Research Fellowships:

5/1972-8/1972 Research Fellow, Food & Drug Directorate, Ottawa
 7/1977-12/1978 Clinical Fellow, Retina Associates, Boston

Licensure and Certification:

1972 License of the Medical Council of Canada
 1977 Diplomate in Ophthalmic Science, University of Toronto
 1977 Diplomate, Nation Board of Examiners
 1977 Massachusetts License Registration, Cert. #41309
 1978 Diplomate, American Board of Ophthalmology
 1979 Texas License Registration, Cert. #F5280

Adademic Appointments:

1974 – 1977 Instructor in Biology, McMaster University
 1979 – present Instructor in Ophthalmology, Harvard Medical School

Hospital Appointments:

1979 – 1984 Assistant in Ophthalmology, Associate Staff,
 Massachusetts Eye and Ear Infirmary
 1985 – 1986 Associate in Ophthalmology, Active Staff,
 Massachusetts Eye and Ear Infirmary
 1987 – 1992 Assistant Surgeon in Ophthalmology, Active Staff,
 Massachusetts Eye and Ear Infirmary
 1992 – 1996 Associate Surgeon, Active Staff, Massachusetts Eye and
 Ear Infirmary
 1992 – present Consulting Staff, Department of Ophthalmology, Holy
 Family Hospital and Medical Center
 1994 – present Courtesy Staff, Department of Ophthalmology, Mount
 Auburn Hospital
 1996 – present Clinical Associate in Surgery, Massachusetts General
 Hospital
 1997 – present Surgeon, Active Staff, Massachusetts Eye and Ear
 Infirmary

Other Professional Positions:

1982 – 1995 Principal Ophthalmologist at Massachusetts General
 Hospital for Diabetes Control and Complications Trial,
 a multicenter, NIH – supported 10-year study.
 1994 – present Principal Ophthalmologist at Massachusetts General
 Hospital for Epidemiology of Diabetes, Interventions
 and Complications Trial. Long-term Follow-up of
 DCCT.

Awards and Honors:

	Aesculapian Society Award, University of Ottawa
	Juvenile Diabetes Foundation Young Investigator Award
	Outstanding Young Men of America
	American Men and Women of Science
	Who's Who in the East
2008	Nominee, Harvard Medical School Prize for Excellence in Teaching (Years I & II)

Major Committee Assignments:

1984	Patient Care Committee, Massachusetts Eye and Ear Infirmary
1992 – present	Infection Control Committee, Massachusetts Eye and Ear Infirmary
1998 – present	Eye Executive Committee, Massachusetts Eye and Ear Infirmary

Membership in Professional Societies:

1974 – 1978	Toronto Academy of Medicine
1974 – 1977	Ontario Medical Association
1977 – 1984	Association for Research in Vision and Ophthalmology
1979 – present	Massachusetts Medical Society
1979 – present	American Medical Association
1979 – present	American Academy of Ophthalmology
1979 – present	Bay State Professional Standard Review Organization
1979 – present	Harvard Medical Alumni Association
1979 – present	International Society for Ophthalmic Ultrasound
1983 – present	Massachusetts Society of Eye Physicians and Surgeons
1983 – present	The Vitreous Society

Major Research Interests:

1. **Diabetic Retinopathy and its response to Tight Control**
2. **Animal models in the pathophysiology of diabetic retinopathy**
3. **Vitreous fluorophotometry in diabetic retinopathy**
4. **Diagnostic ultrasonography**

Principal Clinical and Hospital Services Responsibilities:

1979 – 1982	Assistant Director, Retina Service, Massachusetts Eye and Ear Infirmery
1979 – 1982	Director, Diabetes Clinic, Massachusetts Eye and Ear Infirmery
1979 – 1982	Director, Ultrasound Unit, Massachusetts Eye and Ear Infirmery

Teaching Experience:

1979 – 1982	Full-time attending at the Retina Service, Massachusetts Eye and Ear Infirmery
1982 – present	Visiting Staff, Massachusetts Eye and Ear Infirmery
1979 – 1982	Organized weekly seminars for the Retina Service, Massachusetts Eye and ear Infirmery
1980 – 1983	Lectures on Diabetic Retinopathy at the Annual Clinical Endocrinology Post-Graduate Course, Harvard Medical School
1982 – present	Lectures on Diabetic Retinopathy for Massachusetts General Hospital residents
1982	Directed the New England Diagnostic Ultrasound Course
1985 – present	Preceptor in Ophthalmology for clinical clerks at Harvard Medical School
1986 – 1990	Lectured on Ophthalmic Ultrasound at the Lancaster Course in Ophthalmic Basic Sciences
1979 – present	Preceptor in Clinical Retinal Fellowship Training Program, Massachusetts Eye and Ear Infirmery
1991	Lectures on Diabetic Retinopathy, Massachusetts Medical Society

Bibliography

Original Reports:

1. Lou, P.L., On Homeopathy, University of Ottawa Medical Journal (1972) 16 (3) : 25
2. Campbell, J.S., P.L. Lou, J.P. Ferguson, I. Krongold, T. Kmeeny, D.M. Mitton & N. Allen, Pseudomyxoma peritonei et ovarii with occult neoplasms of appendix. Obstet., Gene (1973) 42 (6) : 897
3. Lou, P.L., J.S. Campbell, I.W.D. Henderson, E. Napke & N. Mikhael, Drug adverse reactions in autopsy cases. Rx Bulletin (1974) 5 (1) : 2
4. Lou, P.L., J. Kazdan, R.M. Bannatyne & R. Cheung, Successful treatment of Candida endophthalmitis with a synergistic combination of Amphotericin B and Rifampin. Amer. J. Ophthal. (1977) 16 (12) : 1104
5. Mandelcorn, M., P.L. Lou & H. Tanzer, Computed Tomography of choroidal melanoma and scleral buckle. Canad. J. Ophthalmology (1977) 12; 223
6. Matuk, Y., P.L. Lou & J.A. Parker, Biosynthesis of proteins by the retina. Inactivation by near - ultraviolet light and the effects of tryptophan, epinephrine and catalase. Invest Ophthal. (1977) 16 (12) : 1104
7. Lou, P.L., J. Kazdan & P.K. Basu, Ocular Toxoplasmosis in three consecutive siblings. Arch. Ophthal. (1978) 96 (4) : 613
8. Nathan, D.M., P.L. Lou, & J. Avruch, A crossover study of intensive conventional and insulin pump therapies in adult type 1 diabetes. Ann. Int. Med. (1978) 97 : 31
9. Frambach, D.A., & J.D. Mathews, J.J. Weiter, A.J. Adler, P.L. Lou & C.E. Roy, Digoxin enters the subretinal spaces of humans with Rhegmatogenous retinal detachments. Invest. Ophthal. (Suppl) (1985) 26:31
10. Nathan, D.M., H.A. Fogel, J.E. Godine, P.L. Lou, et al, Role of Diabetologist in evaluating Diabetic Retinopathy. Diabetes Care (1991) 14 (1) :26

11. Chen, J.F., A.E. Elsner, S.A. Burns, R.M. Hansen, P.L. Lou, K.K. Kong, A.B. Fulton, The effect of eye shape on retinal response. *Clinical Vision Sciences*. (1992) 7: 5f21 – 530
12. Brockhurst, R.J., R.C. Ward, P.L. Lou & D.M. Albert, Dystrophic calcification of silicone scleral buckling material. *Amer. J. Ophthal.* (1993) 115 : 524 – 529
13. Falcone, P.M., L. Paolini, P.L. Lou, Hydroxychloroquine toxicity despite normal dose therapy. *Annals of Ophthal.* (1993) 25 (10) :385 – 388
14. Falcone, P.M., P.L. Lou, Resolution of an external layer macular hole associated with an optic nerve pit after laser photocoagulation. *Brit. J. Ophthal.* (1993) 77 : 457
15. Freilich, J.M., E.A. Ryan, P.L. Lou, et al, Acute retinal necrosis syndrome findings, management and differential diagnosis. *Inter. Ophthal. Clinics* (1996) 36 (3) : 141
16. Cohen, R.G., P.L. Lou, J. Rizzo, New developments in cancer associated retinopathy. *Inter. Ophthal. Clinics* (1997) 37 (4) : 233 – 250
17. Miller, D.G., P.L. Lou, A.J. Kroll, E.A. Ryan, Surgical management of macular hole. *Int. Ophthal. Clinics* (1999) 39 (1) 261 – 274
18. Javid, C., P.L. Lou, Complications of macular hole surgery. *Inter. Ophthal. Clinics* (2000) 40 (1) : 225 – 232
19. Jones, J.H., A.J. Kroll, P.L. Lou & E.A. Ryan, Coats' disease, *Inter. Ophthal. Clinics* (2001) 41 (4) : 189 – 198
20. Gill, M. & P.L. Lou, Traumatic macular holes. *Inter. Ophthal. Clinics* (2002) – 42 (3) : 97-106
21. Wang, R.C., P.L. Lou, E.A. Ryan & A.J. Kroll, Antibiotic therapy in post-operative endophthalmitis. *Semin. Ophthal.* (2002) 17 (3-4) : 153 – 161
22. Woo, J.J. P.L. Lou, E.A. Ryan & A.J. Kroll, Surgical treatment of submacular hemorrhage in age related macular degeneration, *Int. Ophthal. Clinics* (2004) 44 (1) : 43 – 50
23. Beck, A.P., E.A. Ryan, P.L. Lou and A.J. Kroll, Controversies regarding radial optic neurotomy for central retina vein occlusion. *Int. Ophthal. Clinics* (2005) 45 (4) : 153 - 161

24. Magee, M.A. A.J. Kroll, P.L. Lou and E.A. Ryan, Retinal capillary hemangiomas and von Hippel-Lindau disease. *Semi-Ophthalmol.* (2006) 21 (3) : 143 - 150
25. Smith, S.R. A.J. Kroll, P.L. Lou & E.A. Ryan, Endogenous bacterial and fungal endophthalmitis. *Int. Ophthalmol. Clinics* (2007) 47 (2) : 173 - 183
26. Ceron, O., P.L. Lou, A.J. Kroll and D.S. Walton, The Vitreo-retinal manifestations of persistent hyperplastic primary vitreous (PHPV) and their management. *Int. Ophthalmol. Clinics* (2008) 48 (2) : 53 - 62
27. Patronas, M. A.J. Kroll, P.L. Lou and E.A. Ryan, A review of vitreo-retinal interface pathology - *Int. Ophthalmol. Clin.* (2009) Winter, 49 (1): 133-43

Proceedings of Meetings:

1. Lou, P.L., Y. Matuk & J. Parker, The effect of near ultraviolet light on the incorporation of radioactive leucine into rat retinal protein. Presented at the Canadian Ophthalmological Society Annual Meeting, Quebec City, Quebec, 1976.
2. Lou, P.L., E.S. Gragoudas, A- and B- mode Ultrasound Biometry in the Proton Beam Irradiation of Uveal Melanomas. Presented at the Ninth Congress of International Society of Ophthalmic Ultrasound, Leeks, U.K., 1982.
3. Chen, J.F., P.L. Lou, A.E. Elsner, et al, The effect of refractive error on retinal responses. *Invest. Ophthalmol. Vis. Sci.* (1991) 32 (Suppl) : 929.

Books and Monographs:

Editor:

Lou, P.L. (ed), *Retinal Vascular Disorders*, *Inter. Ophthalmol. Clin.* (1986) 26 (2) Little, Brown & Co., Boston.

Chapters in a book:

1. Lou, P.L. and E. Gragoudas, A- and B- mode ultrasound biometry in the proton beam irradiation of uveal melanomas. Hillman, J.S., LeMay, M.M. (eds), Ophthalmic Ultrasonography (1983) : 51-56 Dr. W. Junk Publishers, The Hague/Boston/Lancaster.
2. Hirose, T. and P.L. Lou, Retinopathy of prematurity in retinal vascular disorders, Lou, P.L. (ed) Inter, Ophthal. Clin. (1986) 26 (2) : 1 - 23 Little, Brown & Co., Boston
3. Rose, S.J. and P.L. Lou, Acute posterior multifocal placoid pigment epitheliopathy. Albert, D.M. & F.A. Jakobiec, eds. Principles and Practice Of Ophthalmology: The Harvard System (1993) W.B. Saunders, Philadelphia

Thesis:

Satellite DNA in *Halobacterium salinarum*: a physical & biochemical study.
McMaster University. (1970)

Clinical Studies:

"Decongestant/Astringent Ophthalmic Solution (Oxymetazoline HCL 0/25% Zinc Sulfate 0.25%) Used chronically over a 28 - day period"
Protocol #547 - 1 (Pfizer)

"Demulcent Ophthalmic Solution Used Chronically over a 28 - day period"
Protocol #543 - 1 and 548 - 3 (Pfizer)

"One Day Safety Study of Ophthalmic Piroxicam in Healthy Volunteers"
Protocol #87 - C - 004 (Leeming - Pacquin Feb. 1988)

"One Day Safety Study of Ophthalmic Piroxicam in Healthy Volunteers"
Protocol #88 - C - 006 (Leeming - Pacquin August. 1988)