

## **CURRICULUM VITAE**

### **PERSONAL DATA**

Lynda Jun-San Yang  
Social Security Number provided upon request.

### **EDUCATION**

09/1980-05/1984      Amarillo High School, Amarillo, TX – *Diploma*  
09/1984-05/1988      Texas A&M University, College Station, TX – *B.S. Chemistry*  
09/1988-05/1997      The Johns Hopkins University School of Medicine, Baltimore, MD –  
*M.D., Ph.D.* (Dissertation with Dr. Ronald Schnaar)

### **POSTDOCTORAL TRAINING**

07/1997-06/1998      Internship, General Surgery, University of Michigan Medical Center,  
Ann Arbor, MI  
07/1998-06/2004      Resident, Neurosurgery, University of Michigan Medical Center, Ann  
Arbor, MI  
02/2002-12/2002      Fellow, The Peripheral Nerve Injury and Children's Hand Injury Unit,  
The Royal National Orthopedic Hospital Trust, Stanmore, Middlesex,  
UK (Professor Rolfe Birch)

### **SENIOR POSTDOCTORAL TRAINING**

07/2004-03/2005      Visiting Faculty, Department of Pharmacology, The Johns Hopkins  
University School of Medicine, Hosted by Dr. Ronald Schnaar  
04/2005      Visiting Faculty, Department of Neurosurgery, Leiden University  
Medical Center, Hosted by Dr. Martijn Malessy  
05/2005-06/2005      Visiting Faculty, Department of Neurosurgery, Louisiana State University  
Medical Center, Hosted by Dr. David Kline

### **ACADEMIC APPOINTMENTS**

07/2004-06/2005      Lecturer, Department of Neurosurgery, University of Michigan  
07/2005-present      Assistant Professor, Department of Neurosurgery, University of  
Michigan

### **CERTIFICATION AND LICENSURE**

1998-present      United States Medical Licensing Exam (USMLE)  
1998-present      Michigan  
2002      Limited Registration in Orthopaedic Surgery, General Medical Council,  
UK  
2008-present      Neurosurgery Specialty Board Certified

### **HONORS AND AWARDS**

1984      National Merit Scholar  
1984-1988      President's Endowed Scholarship, Texas A&M University

**HONORS AND AWARDS** (cont'd)

1984-1986	A.E. Martell-IUCCP Award, Dept. of Chemistry, Texas A&M University
1987-1988	J.B. Beckham Award, College of Science, Texas A&M University
1988	Summa cum laude, Texas A&M University
1988-1990	Pfeiffer Award, Department of Pharmacology and Molecular Sciences, The Johns Hopkins University School of Medicine
1990-1997	MSTP (Medical Scientist Training Program), Department of Health and Human Services (NIH Training Grant 2 T32 GM 7309-21), The Johns Hopkins University School of Medicine
1997	Phi Beta Kappa, The Johns Hopkins University School of Medicine
1999	Bronze Beeper Resident Award (for student teaching), Galen Society, University of Michigan
2001	Dandy Clinical Fellowship, AANS/CNS
2003	TAMS Award (Token of Appreciation from Medical Students), University of Michigan Medical School
2007	Carls Foundation Fellowship (PBPP)
2007	Friends PEAC (PBPP) Grant

**MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES**

1998-present	Congress of Neurological Surgeons
2004-present	American Association of Neurological Surgeons
2005-present	Peripheral Nerve Section Editor, SANS-Wired (Mandatory Maintenance of Certification test required of practicing neurosurgeons every 3 yrs)
2006-present	American Society for Peripheral Nerve
2006-present	Club Narakas Society for Peripheral Nerve
2006	Congress of Neurological Surgeons 2006 Meeting Program Committee
2007	Congress of Neurological Surgeons 2007 Meeting Program Committee
2008	Congress of Neurological Surgeons 2008 Meeting Program Committee
2009	Spine and Peripheral Nerve Section 2009 Meeting Program Committee
2009	Congress of Neurological Surgeons 2009 Meeting Program Committee

**PRESENTATIONS (Invited)**

1998-2004	House Staff Training in Neurosurgery, U. of Michigan -Presenter, Neurosurgery Grand Rounds -Presenter, Neurosurgery Journal Club -Presenter, Neurosurgery Resident Seminar
2002	Medical Student Course in Brachial Plexus Anatomy, U. of Michigan
2004	"Peripheral Nerve Surgery: 'Must Knows' for Practicing Neurosurgeons," Congress of Neurological Surgeons, 54th Annual Meeting
2004-2005	Visiting Faculty, Department of Pharmacology, Johns Hopkins
2005	Invited Research Presenter, Dept. of Neurosurgery, Leiden University Medical Center, The Netherlands
2005	"Surgery for Peripheral Nerve Trauma" Congress of Neurological Surgeons, 55 <sup>th</sup> Annual Meeting
2005	"Obstetric Brachial Plexus Palsy", presented to Department of Physical Medicine and Rehabilitation, University of Michigan

- 2005 “Neonatal Brachial Plexus Multi-disciplinary Program”, presented to Departments of Pediatric Neurology and Neonatology, University of Michigan
- 2005 Residency Programs Open House, U. Michigan
- 2006 MCAS Career Seminar Series in Neurosurgery, U. Michigan
- 2005 “Obstetric Brachial Plexus Palsy,” Dept. of Pediatric Neurology and Neonatology, U. Michigan
- 2005 “Obstetric Brachial Plexus Palsy,” Dept. of Physical Medicine and Rehabilitation, James Rae Day, U. Michigan
- 2006 “Brachial Plexus Anatomy” Neurosurgery Resident Teaching Seminar, U Michigan
- 2006 “Pediatric Brachial Plexus Palsy” Congress of Neurological Surgeons Annual Meeting
- 2006 “Pediatric Brachial Plexus Palsy” Washtenaw County Pediatricians, St. Joseph’s Education Center
- 2007 “Brachial Plexus Anatomy”, PM&R Resident Teaching Seminar, U Michigan
- 2007 Neurology Medical Student Friday Noon Lecture Series, U Michigan
- 2007 “Brachial Plexus Palsy,” PM&R Annual Meeting,
- 2007 “Brachial Plexus Anatomy and Surgery,” OT/PT Conference, U Michigan
- 2007 “Sialidase and Nerve Regeneration,” ASPN, Puerto Rico
- 2007 “ABC’s of Peripheral Nerve Surgery,” CNS Joint Section of Spine and Peripheral Nerves Meeting, Phoenix, AZ
- 2007 “Axon Regeneration Inhibitors,” Sunderland Meeting, Manchester, UK
- 2007 “Treatment of Peripheral Nerve Entrapment,” Congress of Neurological Surgeons Annual Meeting, San Diego, CA
- 2007 “Treatment of Pediatric Brachial Plexus Palsies,” AAPMR Annual Meeting, Boston, MA
- 2007 “Laparoscopic Nerve Transection for Post-herniorrhaphy Groin Pain,” Kline Festschrift, New Orleans, LA
- 2008 Hands-On Peripheral Nerve of the Upper Extremities, 2008 AANS, Chicago, IL
- 2008 “Updates on Peripheral Nerve Surgery”, 2008 Michigan State Neurosurgical Society, Mackinac Island, MI
- 2008 “Brachial Plexus Injury”; Peripheral Nerve Entrapment at Henry Ford Dept of Neurosurgery, Detroit, MI
- 2008 “Pediatric Brachial Plexus Palsy,” American Association for Cerebral Palsy and Developmental Medicine Annual Meeting, Atlanta, GA
- 2008 “Principles of Peripheral Nerve Surgery,” Congress of Neurological Surgeons, Orlando, FL
- 2008 “Peripheral Nerve Entrapment,” Congress of Neurological Surgeons, Orlando, FL
- 2008 “Management of Peripheral Nerve and Brachial Plexus Injury,” Congress of Neurological Surgeons, Orlando, FL
- 2008 “Coffee and Cases,” Congress of Neurological Surgeons, Orlando, FL
- 2008 “Pediatric Brachial Plexus Palsy,” Michigan Occupational Therapy Association Annual Meeting, Mackinac Island, MI

- 2009 "Peripheral Nerve Dissection" 2009 Spine and Peripheral Nerve Section Annual Meeting , Phoenix, AZ
- 2009 "Hands-On Peripheral Nerve of the Upper Extremities," American Association of Neurological Surgeons Annual Mtg, San Diego, CA
- 2009 "Upper Extremity Peripheral Nerve Entrapments," American Association of Neurological Surgeons Annual Mtg, San Diego, CA
- 2009 "Paresthesias in the Thigh," American Association of Neurological Surgeons Annual Mtg, San Diego, CA
- 2009 "Phrenic Nerve Palsy," Narakas Society Biannual Meeting, Luxembourg, Luxembourg

### **COMMITTEE AND ADMINISTRATIVE SERVICE**

- 2003-2004 Resident Representative, Curriculum Committee, Department of Neurosurgery, University of Michigan
- 2004-2006 Department Conference Curriculum Director, Department of Neurosurgery, University of Michigan
- 2005-present Medical Student Clerkship Director, Department of Neurosurgery, University of Michigan
- 2005-present Director, Pediatric/Neonatal Multi-disciplinary Brachial Plexus Program, University of Michigan
- 2007-present Scientific Program Committee, Congress of Neurological Surgeons
- 2007-present Section Representative, Spine and Peripheral Nerve Section, Congress of Neurological Surgeons
- 2008-present University of Michigan Senate Assembly
- 2008-present Neurosurgery Medical Director, Faculty Group Practice / ACU, University of Michigan

### **PATENTS**

"Compounds for Stimulating Nerve Growth." US Patent Number 6,114,126. 09/05/2000.

"Composition and Methods for Enhancing Axon Regeneration." US Patent Application PCT/US06/20371 and US60/684,340. 05/25/2005.

### **BIBLIOGRAPHY**

#### **Reviewed Publications**

- Song, J., Yang, L.J.-S., Russell, S. (2009) "Peripheral Nerve: What's New in Basic Science Laboratories" *Neurosurgery Clinics*, **20** (1):121-32.
- Ross, D.A., Yang, L.J.-S., Sagher, O., Ross, A.M., (2008) " Radical Resection of Adult Low Grade Oligodendroglioma without Adjuvant Therapy: Results of a Prospective Treatment Protocol." Submitted.
- Ulgren, B.O., Brumblay, H., Doyle, S.M., Chung, K.C., Yang, L.J.-S. (2008) "Augusta Dejerine-Klumpke, MD (1859-1927): A Historical Perspective on Klumpke's Palsy." *Neurosurgery*, **63** (2):359-66.

- Yang, L. J.-S. and Schnaar, R.L. (2008) "Axon Regeneration Inhibitors" *Neurol. Res.* **30**:1-47-52.
- Watt, A.J., Niederbichler, A.D., Yang, L.J.-S., Chung, K.C. (2007) "Wilhelm Heinrich Erb, MD (1840-1921): A Historical Perspective on Erb's Palsy." *Plast Reconstr Surg.* **119**(7), 2161-6
- Yang, L.J.-S., Lorenzini, I, Vajn, K, Schramm, L.P., and Schnaar, R.L. (2006) "Sialidase enhances spinal axon outgrowth." *Proc. Natl. Acad. Sci. USA* **103**, 11057-62.
- Yang, L.J.-S., Gala, V.C., McGillicuddy, J.E. (2006) " Superficial Peroneal Nerve Syndrome, an Unusual Nerve Entrapment: Case Report" *J. Neurosurgery.* **104**(5), 820-3.
- Cowan JA Jr, Barkhoudarian G, Yang LJ, Thompson BG. (2004) "Progression of a posterior communicating artery infundibulum into an aneurysm in a patient with Alagille syndrome. Case report." *J Neurosurg.*, **101**(4), 694-696.
- Collins, B.E., Yang, L. J.-S., and Schnaar, R. L. (2000) "Lectin-mediated cell adhesion to immobilized glycosphingolipids." *Methods Enzymol.*, **312**, 438-446.
- Collins, B. E., Yang, L. J.-S., Mukhopadhyay, G., Filbin, M. T., Kiso, M., Hasegawa, A., and Schnaar, R. L. (1997) "Sialic acid specificity of myelin-associated glycoprotein binding." *J. Biol. Chem.* **272**,1248-1255.
- Yang, L. J.-S., Zeller, C. B., Shaper, N.L., Kiso, M., Hasegawa, A., Shapiro, R. E., and Schnaar, R. L. (1996) "Gangliosides are neuronal ligands for myelin-associated glycoprotein." *Proc. Natl. Acad. Sci. USA* **93**, 814-818.
- Yang, L. J.-S., Zeller, C. B., and Schnaar, R. L. (1996) "Detection and isolation of lectin-transfected COS cells based on cell adhesion to immobilized glycosphingolipids." *Anal. Biochem.* **236**, 161-167.
- Schnaar, R. L., Longo, P., Yang, L. J.-S., and Tai, T. (1996) "Distinctive ganglioside patterns revealed by anti-ganglioside antibody binding to differentiating CG-4 oligodendrocytes." *Glycobiology* **6**, 257-263.
- Gordon, G.B., Prochaska, H. J., and Yang, L. (1991) "Induction of NAD(P)H: quinone reductase in human peripheral blood lymphocytes." *Carcinogenesis* **12**, 2393-2396.

### Chapters / Books

- Practical Management of Adult and Pediatric Brachial Plexus Palsy (2010) Chung, KC, McGillicuddy, JE, Yang, L J-S, Eds. Elsevier, London (in preparation)
- Brumblay, H.G. and Yang, L.J.-S. (2008) Peripheral Neuropathy, in *Minimally Invasive Spine Fusion: Techniques & Operative Nuances.* Perez-Cruet, M. et al. Eds. Quality Medical Publishing, Inc., St. Louis, MO. (in press).
- Yang, L.J.-S. and Chung, K.C. (2008) Brachial Plexus, in *Plastic Surgery.* Guyuron, B. et al. Eds. Elsevier, London. (in press).
- Yang, L.J.-S. (2008) Brachial Plexus Techniques, in *Hand and Upper Extremity Reconstruction.* Chung, K.C. Ed. Elsevier, London. (in press)
- Yang, L.J.-S. and McGillicuddy, J.E. (2007) Lower Trunk Brachial Plexus Palsy, in *Master Cases in Peripheral Nerve Surgery.* Zager, E. and Midha, R. Eds. Thieme, New York. (in press).
- Yang, L.J.-S. and Hoff, J.T. (2003) Infectious Disease in Neurosurgical Intensive Care, in *Neurosurgical Intensive Care.* Andrews, B.T., Ed. Thieme, New York. p95-124.

### Abstracts

- Yang, L. J.-S., Zeller, C. B., Shaper, N.L., Kiso, M., Hasegawa, A., Shapiro, R. E., and Schnaar, R. L. (1995) "Gangliosides are neuronal ligands for myelin-associated glycoprotein." *Mol. Biol. Cell.* **6**, Supplement, #1902. Poster at ASCB 1995.

Yang, L. J.-S., Zeller, C. B., and Schnaar, R. L. (1994) "Detection of expressed mammalian lectins in COS-1 using cell adhesion to adsorbed glycolipids." *FASEB J.* **8**, A1406 #859. Poster at ASBMB 1994.

Needham, L. K., Yang, L. J.-S., and Schnaar, R. L. (1991) "Specific binding site for sulfoglucuronyl-neolactoglycolipid (HNK-1) determinants on rat peripheral nerve myelin." *J. Cell Biol.* **3**, 68a#396. Poster at ASCB 1991.