

CURRICULUM VITAE

I. Personal Information:

Name: Guodong Li, MD
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II. Area of Clinical Interests:

Pain medicine. Anesthesiology. Addiction Medicine (Buprenorphine Prescriber)

Acute pain and peripheral neuralgia. Chronic cancer-related and non-cancer pain. Complex Regional Pain Syndrome, cervicogenic headaches, other headaches, trigeminal neuralgia.

Interventional pain management: cervical/thoracic/lumbar facet blocks, cervical/thoracic/lumbar/caudal transforaminal or translaminar epidural injections, stellate ganglion block, lumbar sympathetic nerve block, ganglion impar block, celiac plexus block, splanchnic nerve block, ilioinguinal-iliohypogastric block, genitofemoral nerve block, pudendal nerve block, lateral femoral cutaneous nerve block, sacroiliac joint injection, piriformis muscle injection, trigeminal nerve block, gasserian ganglion block, sphenopalatine ganglion block, supraorbital nerve block, occipital nerve block, anterior scalene muscle block, pectoralis minor muscle block, joint injections, peripheral nerve blocks, radiofrequency ablations, cooled and pulsed radiofrequency ablations, spinal cord stimulator implantation, intrathecal pump implantation, vertebroplasty, kyphoplasty, percutaneous electrical nerve stimulator.

III. Board certifications:

American Board of Pain Medicine
American Board of Anesthesiology
ABA Pain Medicine

IV. Work Experience:

2016.4-current: Member at Valley Presbyterian Hospital

2020.7-current: Member at Libbit Surgical center

2020.4-current: Member at San Vicente Surgery Center

2016-current: Member at Center for Orthopedic Surgery Institute

2015.8-current: Member at Mountain View Surgery Center

2015.8-current: Pain Management and anesthesia, Private practice at Los Angeles, California.

2019.12.23-2020: Member at Starpoint Surgery Center

2015.8.15-2020.6.13: Member at Conservative Care Specialists Medical Group

2014.7.1-2015.6.30 Pain Medicine Fellowship training, Washington University School of Medicine

2010.6.24-2014.6.30 Anesthesiology Residency training, UCLA Department of Anesthesiology

2006.6-2010.6.23: Assistant Research Professor, Department of Pharmacology, School of Medicine, UCLA

2003.4.-2006.6: Post-Graduate Researcher, Department of Pharmacology, School of Medicine, UCLA

V. Awards:

ASBMB (The American Society for Biochemistry and Molecular Biology) Award, USA, 2008

VI. Education:

2014.7.1-2015.6.30 **Pain Medicine Fellowship (with Addiction Medicine)**
Barnes Jewish Hospital, Washington University School of Medicine

2010.6.24-2014.6.30 **Anesthesiology Residency**
UCLA Department of Anesthesiology

1999-2003 **M.D. & Ph.D.**
School of Medicine, Jiaotong University

1996-1999 **Master of Medicine**
Medical College of Qingdao University

1991-1996 **Bachelor of Medicine**
Medical College of Qingdao University

VII. Publications:

Book chapters:

1. Richard W. Olsen and **Guo-Dong Li**. (2012) Chapter 18: GABA. **Basic**

Neurochemistry: Principles of Molecular, Cellular and Medical Neurobiology, 8th Edition, Eds S.T. Brady, G.J. Siegel, R.W. Albers, and D.L. Price. Elsevier, Oxford. 367-376

- Richard W. Olsen and **Guo-Dong Li**. (2013) GABA-A receptor. **Encyclopedia of Biological Chemistry, 2nd Edition**. Eds. W.J. Lennarz and M.D. Lane, Elsevier, Oxford. 347-350
- Guo-Dong Li**, Chang-Sheng S. Chang, and Richard W. Olsen. (2005) Anesthetic sites on GABAA receptors. In *Basic and Systemic Mechanisms of Anesthesia*. Eds. T. Mashimo, K. Ogli and I. Uchida, Elsevier, Amsterdam, Int. Cong. Ser., 1283, 61-66.

Peer-reviewed articles:

- Zhang F, Xu F, Mi X, Dong L, Xiao Y, Jiang S, **Li GD**, Zhou Y (2020) Ghrelin/GHS-R1a signaling plays different roles in anxiety-related behaviors after acute and chronic caloric restriction. *Biochem Biophys Res Commun*. 2020 Sep 3;529(4): 1131-1136. doi: 10.1016/j.bbrc.2020.05.227. Epub 2020 Aug 4.
- Li N, Cui L, Song G, Guo L, Gu H, Cao H, **Li GD**, Zhou Y. (2018) Adolescent Isolation Interacts With DISC1 Point Mutation to Impair Adult Social Memory and Synaptic Functions in the Hippocampus. *Front Cell Neurosci*. 2018 Aug 2;12:238. doi: 10.3389/fncel.2018.00238.
- Olsen RW, **Li GD**, Wallner M, Trudell JR, Bertaccini EJ, Lindahl E, Miller KW, Alkana RL, Davies DL. (2014) Structural Models of Ligand-Gated Ion Channels: Sites of Action for Anesthetics and Ethanol. *Alcohol Clin Exp Res*. 2014 Mar, 38(3): 595-603.
- Zhao Z, Liu H, Xiao K, Yu M, Zhu Q, Zhao R, **Li GD***, Zhou Y*. (2014) Ghrelin administration enhances neurogenesis but impairs spatial learning and memory in adult mice. *Neuroscience*. 2014 Jan 17;257:175-85 ***Corresponding author**
- Stewart DS, Hotta M, **Li GD**, Desai R, Chiara DC, Olsen RW, Forman SA. (2013) Cysteine substitutions define etomidate binding and gating linkages in the α -M1 domain of γ -aminobutyric acid type A (GABAA) receptors. *J. Biol. Chem*. 2013 Oct 18, 288(42), 30373-86.
- Zhu Q, Xiao K, Yu M, Niu M, Li C, Gao Y, **Li GD***, Zhou Y*. (2013) Ghrelin but not nesfatin-1 affects certain forms of learning and memory in both rats and mice. *Brain Res*. 1541: 42-51. ***Corresponding author**
- Song L, Zhu Q, Liu T, Yu M, Xiao K, Kong Q, Zhao R, **Li GD***, Zhou Y*. (2013) Ghrelin modulates lateral amygdala neuronal firing and blocks acquisition for conditioned taste aversion. *PLoS One*. 2013 Jun 7;8(6): e65422. ***Corresponding author**
- Richard W. Olsen and **Guo-Dong Li**. (2011) GABA_A receptors as molecular targets of general anesthetics: identification of binding sites provides clues to allosteric modulation. *Can J Anaesth*. 58(2), 206-15
- Guo-Dong Li***, David C. Chiara, Jonathan B. Cohen, and Richard W. Olsen*. (2010) Numerous classes of general anesthetics inhibit etomidate binding to gamma-aminobutyric acid type A (GABAA) receptors. *J. Biol. Chem*. 285(12), 8615-8620. **Corresponding author**

10. **Guo-Dong Li***, David C. Chiara, Jonathan B. Cohen, and Richard W. Olsen*. (2009) Neurosteroids allosterically modulate binding of the anesthetic etomidate to γ -aminobutyric acid type A receptors. *J. Biol. Chem.* 284(18),11771-11775.
Corresponding author
11. Zhou Y, Takahashi E, Li W, Halt A, Wiltgen B, Ehninger D, **Li GD**, Hell JW, Kennedy MB, Silva AJ. (2007) Interactions between the NR2B receptor and CaMKII modulate synaptic plasticity and spatial learning. *J. Neurosci.* 27(50), 13843-13853
12. **Guo-Dong Li**, David C. Chiara, Greg, W. Sawyer, S. Shaukat Husain, Richard W. Olsen, and Jonathan B. Cohen. (2006) Identification of a GABA_A receptor anesthetic binding site at subunit interfaces by photolabeling with an etomidate analog. *J. Neurosci.* 26(45), 11599-11605
13. **Guo-Dong Li**, David C. Chiara, Greg, W. Sawyer, S. Shaukat Husain, Richard W. Olsen, and **Jonathan B. Cohen**. (2006) Intersubunit anesthetic binding on GABA_A receptors. *J. Neurosci.* 26(45) i. Note this is a highlight of our work in "This week in the journal". <http://www.jneurosci.org/cgi/content/full/26/45/i>
14. S. Shaukat Husain, Selvanayagam Nirthanan, Dirk Ruesch, Ken Solt, Qi Cheng, **Guo-Dong Li**, Enrique Arevalo, Richard W. Olsen, Douglas E. Raines, Stuart A. Forman, Jonathan B. Cohen, and Keith W. Miller. (2006) Synthesis of trifluoromethylaryl diazirine and benzophenone derivatives of etomidate that are potent general anesthetics and effective photolabels for probing sites on ligand-gated ion channels. *J. Med. Chem.* 49(16), 4818-4825
15. Richard W. Olsen, Chang-Sheng S. Chang, **Guodong Li** et al. (2004) Fishing for allosteric sites on GABA(A) receptors. *Biochem. Pharmacol.* 68(8),1675-1684
16. **Guo-Dong Li***, Yu Zhou* and Zhi-Qi Zhao. (2003) State-dependent phosphorylation of epsilon-isozyme of protein kinase C in adult rat dorsal root ganglia after inflammation and nerve injury. *J. Neurochem.* 85(3), 571-580.
*Co-first author
17. **Guo-Dong Li**, Yan Wo, Mei-Fang Zhong et al. (2002) Expression of fibroblast growth factors in rat dorsal root ganglion neurons and regulation after peripheral nerve injury. *Neuroreport.* 13(15), 1903-1907.
18. Liang Yang, Fang-Xiong Zhang, Fen Huang, Ying-Jin Lu, **Guo-Dong Li** et al. (2004) Peripheral nerve injury induces trans-synaptic modification of channels, receptors and signal pathways in rat dorsal spinal cord. *Eur. J. Neurosci.* 19(4), 871-883.
19. K.-H. Zhang, H.-S. Xiao, P.-H. Lu, J. Shi, **G.-D. Li** et al. (2004) Differential gene expression after complete spinal cord transection in adult rats: an analysis focused on a subchronic post-injury stage. *Neuroscience.* 128(2):375-388.

VIII. Presentations at Conferences:

1. **Guo-Dong Li**, Stuart A. Forman, and Richard W. Olsen (2014) Identification of a GABA_A receptor intravenous anesthetics binding site. Presented at **2014 WARC Conference**, Los Angeles. (**Oral presentation**, 5/2/2014)
2. **Guo-Dong Li**, Stuart A. Forman, and Richard W. Olsen (2013) GABA_A receptors: the target of general anesthetics. Presented at **American Society of**

- Anesthesiologists 2013 Annual Meeting**, San Francisco. (poster presentation no. A2198, 10/13/2013)
3. **Guo-Dong Li** and Richard W. Olsen (2012) GABA_A receptors as molecular targets of general anesthetics. Presented at **2012 WARC Conference**, Los Angeles. (poster presentation no. BS-12, 5/5/2012)
 4. **Guo-Dong Li** and Richard W. Olsen. (2008) One binding site for etomidate/neurosteroids? Presented at **Society for Neuroscience 38th Annual Meeting**, Washington DC. (**Oral presentation**, presentation no. 608.4)
 5. **Guo-Dong Li** and Richard W. Olsen. (2008) Etomidate and propofol binding sites on GABA_A receptors: overlapping but not identical? Presented at **ASBMB 2008 Annual Meeting**, San Diego. (poster presentation no. A350, abstract no. 1382)
 6. **Guo-Dong Li** and Richard W. Olsen. (2007) A TM1 residue, α 1M236, is important for a GABA_A receptor anesthetic binding site. Presented at **Society for Neuroscience 37th Annual Meeting**, San Diego. (poster presentation no. 141.1)
 7. **Guo-Dong Li**, Gregory W. Sawyer, S. Shaukat Husain and Richard W. Olsen. (2004) GABA_A receptor subunits were photoaffinity labeled with [³H]azietomidate. Presented at **Society for Neuroscience 34th Annual Meeting**, San Diego. (poster presentation no. 51.8)

IX. Professional memberships:

ASA (American Society of Anesthesiologists)
ASRA (American Society of Regional Anesthesia and Pain Medicine)
SFN (Society for Neuroscience)
ASBMB (The American Society for Biochemistry and Molecular Biology)

X. Licenses and certificates:

California State Medical License, Certificate of Buprenorphine Prescriber, ECFMG certificate, DEA (Drug Enforcement Administration) certificate, ACLS (Advanced Cardiovascular Life Support) certificate, BLS (Basic Life Support) certificate, Qualified Medical Evaluator