

Scholarly activities

Department of Anesthesiology and Perioperative medicine

2019-2020 academic year

Articles in Peer-Review Journals

1. Abdus-Saboor I, Fried NT, Lay M, Burdge J, Swanson K, Fischer R, Jones J, Dong P, Cai W, Guo X, Tao YX, Bethea J, Ma M, Dong X, Ding L, Luo W. Development of a Mouse Pain Scale Using Sub-second Behavioral Mapping and Statistical Modeling. *Cell Rep* 2019;28(6):1623-34
2. Anthony M, Jurcik C, Korban A, Discepola P, Anthony C, Kwon M, Eloy J-D. The Safe and Effective Use of Lumbar Epidural for the Surgical Management of a Femoral Neck Fracture in a Patient with Progressed Amyotrophic Lateral Sclerosis (ALS): A Case Report. *International Journal of Innovative Research in Medical Science*, 2019 Dec;4(12):685-687. <https://doi.org/10.23958/ijirms/vol04-i12/783>
3. Atlas G, Li JK-J, Work A. A Tutorial to Approximately Invert the Sumudu Transform. *Applied Mathematics*, Vol.10, No.11, Nov 2019 (DOI: 10.4236/am.2019.1011070). ISSN Online: 2152-7393
4. Brennan MJ, Gudin JA. The prescription opioid conundrum: 21st century solutions to a millennia-long problem. *Postgrad Med*, 2019 Oct 20:1-11. PMID: 31591925
5. Du S, Lin C, Tao Y-X. Updated mechanisms underlying sickle cell disease-associated pain. *Neuroscience Letters* 712 (2019) 134471.
6. Fernández B, Lara Ordóñez AJ, Fdez E, Mutez E, Comptaer T, Leghay C, Kreisler A, Simonin C, Vandewynckel L, Defebvre L, Destée A, Bleuse S, Taymans JM, Chartier-Harlin MC, Hilfiker S. Centrosomal cohesion deficits as cellular biomarker in lymphoblastoid cell lines from LRRK2 Parkinson's disease patients. *Biochem J*. 2019 Oct 15;476(19):2797-2813. doi: 10.1042/BCJ20190315.
7. Gaballa M, Hansen R, Iannaccone F, Kaufman A. Interscalene Peripheral Nerve Stimulation for Treatment of Post-operative Chronic Shoulder Pain. *Practical Pain Management* 2019;9(6): 64-68.
8. Gajewski M. A Comparison of State Medical Licensing Board Disclosures Regarding Resident Performance for United States Allopathic, Osteopathic and Foreign Medical Graduates. Accepted for publication in *The Journal of the American Osteopathic Association* 2020.
9. Grech D. The Efficacy and Safety of TAP Blocks after Open Cholecystectomy in Low-Middle Income Countries. *Journal of Surgical Research* 2020. Accepted for publication.

10. Gregorian R, Marrett E, Sivathanu V, Torgal M, Shah S, Kwong WJ, Gudín J. Safe Opioid Storage and Disposal: A Survey of Patient Beliefs and Practices. *J Pain Res.* 2020 May 11;13:987-995. doi: 10.2147/JPR.S242825. PMID: 32494187
11. Gudín J, Argoff C, Fudin J, Greuber E, Vought K, Patel K, Nalamachu S. A Randomized, Open-Label, Bioequivalence Study of Lidocaine Topical System 1.8% and Lidocaine Patch 5% in Healthy Subjects. *J Pain Res* 2020 Jun 22;13:1485-1496. doi: 10.2147/JPR.S237934. PMID: 32606914
12. Gudín J, Fudin J. A Narrative Pharmacological Review of Buprenorphine: A Unique Opioid for the Treatment of Chronic Pain. *Pain Ther* 2020;9:41–54. <https://doi.org/10.1007/s40122-019-00143-6>
13. Gudín J, Fudin J. Peripheral Opioid Receptor Antagonists for Opioid Induced Constipation: A Primer on Pharmacokinetic Variability with a Focus on Drug Interactions. *J of Pain Research* 2020;13:447-56.
14. Gudín J, Nalamachu S. Utility of Lidocaine as a Topical Analgesic and Improvements in Patch Delivery Systems. *Postgraduate Medicine* 2020;132(1):28-36.
15. Gudín J, Rauck R, Argoff C, Agaiby E, Gimbel J, Katz N, Doberstein SK, Tagliaferri M, Tagliaferri M, Potts J, Wild J, Lu L, Siddhanti S, Hale M, Markman J. Long-Term Safety and Tolerability in Patients with Moderate to Severe Chronic Low Back Pain or Chronic Noncancer Pain: Phase 3 Multicenter, Open-Label, 52-Week Study. *Pain Med* 2019 Jul 30;pnz169. doi: 10.1093/pm/pnz169. PMID: 31361019
16. Gudín J, Wang E, Haylon T, Patel K, Goss T. Treatment patterns and medication use in patients with postherpetic neuralgia. *J Managed Care and Specialty Pharmacy* 2019;25:1-10. 10.18553/jmcp.2019.19093.
17. Han X, Bian E, Li J, Zuo W, Mei Q, Fu R, Shiwalkar N, Fan Q, Gajewski M, Ye J-H. Pain, anxiety- and depression-like behaviors in alcohol-preferring and -non-preferring rats. *Neurology and Neurobiology* 2020;3(2):1-8.
18. He L, Han G, Wu S, Du S, Zhang Y, Liu W, Jiang B, Zhang L, Xia S, Jia S, Hannaford S, Xu Y, Tao Y-X. Toll-like receptor 7 contributes to neuropathic pain by activating NF- κ B in primary sensory neurons [published online ahead of print, 2020 Mar 20]. *Brain Behav Immun.* 2020;S0889-1591(19)31555-7. doi:10.1016/j.bbi.2020.03.019 PMID: 32205121
19. Henningfield J, Gudín J, Rauck R, Gimbel J, Mary M, Doberstein S, Di Fonzo C, Lu L, Katz N, Siddhanti S, Schnoll S. Measuring Opioid Withdrawal in a Phase 3 Study of a New Analgesic, NKTR-181 (Oxycodol), in Patients with Moderate to Severe Chronic Low Back Pain. *Pain Medicine*, pnz326, <https://doi.org/10.1093/pm/pnz326> 2020 March 9.
20. Iannaccone F, Nielson P, Adigun H, Kaufman A. What Are Future Pain Physicians Learning? A Survey of Opioid Prescribing Practices Among U.S. Pain Fellowship Programs. *Pain Physician* 2019 Nov;22(6):549-554. PMID: 31775399

21. Iskander AJ, Naftalovich R, Yang X. The carotid sinus acts as a mechanotransducer of shear oscillation rather than a baroreceptor. *Medical Hypotheses*, 2019 Oct 18;134:109441. PMID: 31726427
22. Korczeniewska OA, Katzmann Rider G, Gajra S, Narra V, Ramavajla V, Chang YJ, Tao YX, Soteropoulos P, Husain S, Khan J, Eliav E, Benoliel R. Differential gene expression changes in the dorsal root versus trigeminal ganglia following peripheral nerve injury in rats. *Eur J Pain*. 2020 Feb 26. doi: 10.1002/ejp.1546
23. Lanier RK, Henningfield JE, Gudin J. Assessment of potentially abuse-related events in two Phase 3 studies of NKTR-181, a novel opioid analgesic, using the MADDERSR system (Misuse, Abuse, and Diversion Drug Event Reporting System). *Curr Med Res Opin*. 2019 Sep;35(9):1513-1522
24. Lara Ordóñez AJ, Fernández B, Fdez E, Romo-Lozano M, Madero-Pérez J, Lobbestael E, Baekelandt V, Aiastui A, Munaín AL, Melrose HL, Civiero L, Hilfiker S. RAB8, RAB10 and RILPL1 contribute to both LRRK2 kinase-mediated centrosomal cohesion and ciliogenesis deficits. *Hum Mol Genet* 2019;28:3552-68. doi: 10.1093/hmg/ddz201.
25. Li J, Chen P, Han X, Zuo W, Mei Q, Yao Bian E, Umeugo J, Ye J-H. Differences between male and female rats in alcohol drinking, negative affects and neuronal activity after acute and prolonged abstinence. *Int J Physiol Pathophysiol Pharmacol* 2019; 11(4):163–176
www.ijppp.org /ISSN:1944-8171/IJPPP0100065
26. Li W, Zuo W , Wu W, Zuo QK, Fu R, Wu L, Zhang H, Ndukwe M, Ye J-H. Activation of glycine receptors in the lateral habenula rescues anxiety- and depression-like behaviors associated with alcohol withdrawal and reduces alcohol intake in rats. *Neuropharmacol* 2019 Jun 27;157:107688. doi: 10.1016/j.neuropharm.2019.107688.
27. Li Y, Guo X, Sun L, Xiao J, Su S, Du S, Li Z, Wu S, Liu W, Mo K, Xia S, Chang Y-J, Denis D, Tao Y-X. N6-Methyladenosine demethylase FTO contributes to neuropathic pain by stabilizing G9a expression in primary sensory neurons. *Wiley Online Library: Advanced Science* 27 May 2020 <https://doi.org/10.1002/advs.201902402>
28. Liang L, Wu S, Lin C, Chang Y-J, Tao Y-X. Alternative splicing of Nrcam gene in dorsal root ganglion contributes to neuropathic pain. *J Pain* 2020 Jan 7.
<https://doi.org/10.1016/j.jpain.2019.12.004>
29. Liang L, Zhao JY, Ticehurst K, Bekker A, Tao YX. BIX01294, a G9a inhibitor, alleviates nerve injury-induced pain hypersensitivities during both development and maintenance periods. *Transl Perioper Pain Med*. 2019; 6(4):106–114. PMID: 31497620
30. Mao Q, Wu S, Gu X, Du S, Mo K, Sun L, Cao J, Bekker A, Chen L, Tao Y-X. DNMT3a triggered downregulation of K2p1.1 gene in primary sensory neurons contributes to paclitaxel induced neuropathic pain. *Int J Cancer (IJC)* 2019; 145(8): 2122-2134. PMID: 30684388
31. Munoz FM, Patel PA, Gao X, Mei Y, Xia J, Gilels S, Hu H. Reactive oxygen species play a role in P2X7 receptor-mediated IL-6 production in spinal astrocytes. *Purinergic Signal* 2020;16(1):97-107

32. Obergasteiger J, Frapporti G, Lamonaca G, Pizzi S, Picardn A, Lavdas AA, Pischedda F, Piccoli G, Hilfiker S, Lobbestael E, Baekelandt V, Hicks AA, Corti C, Pramstaller, PP, Volta M. Kinase inhibition of G2019S-LRRK2 enhances autolysosome formation and function to reduce endogenous alpha-synuclein intracellular inclusions. *Cell Death Discov* 2020 Jun 8;6:45. doi: 10.1038/s41420-020-0279-y
33. Qiao S, Dou Y, Hu H, Dai Y. Curcumin activates vagal afferent neurons through the modulation of ion channels via $\alpha 7$ nAChR. *Natural Product Communications* 2019;14(8):1-6.
34. Rivero-Ríos P, Romo-Lozano M, Fasiczka R, Naaldijk Y, Hilfker S. LRRK2-related Parkinson's disease due to altered endolysosomal biology with variable Lewy body pathology: a hypothesis. *Front Neurosci* 2020 Jun 4;14:556. doi: 10.3389/fnins.2020.00556, 2020.
35. Rivero-Ríos P, Romo-Lozano M, Madero-Pérez J, Thomas AP, Biossa A, Greggio E, Hilfiker S. The G2019S variant of leucine-rich repeat kinase 2 (LRRK2) alters endolysosomal trafficking by impairing the function of the GTPase RAB8A. *J Biol Chem* 2019;294:4738-4758.
36. Sun L, Gu X, Pan Z, X, Liu J, Atianjoh FE, Wu S, Mo K, Xu B, Liang L, Bekker A, Tao YX. Contribution of DNMT1 to Guo neuropathic pain genesis partially through epigenetically repressing *Kcna2* in primary afferent neurons. *J Neurosci* 2019;39(33):6595-6607. PMID: 31182635
37. Tewfik G, Shulman S, Bachman T. The use of simulation to prepare for changes in emergent airway management in the early days of the Covid-19 outbreak. *Trends in Anaesthesia and Critical Care*. 2020 May 5. doi: 10.1016/j.tacc.2020.04.003. Epub ahead of print. PMID: PMC7199702.
38. Tian X, Zhu H, Du S, Zhang X-Q, Lin F, Ji F, Tsou Y-H, Li Z, Feng Y, Ticehurst K, Xu X, Tao Y-X. Injectable PLGA-coated ropivacaine produces a long-lasting analgesic effect on incisional pain and neuropathic pain. *J Pain* 2020 (In Press).
39. Webster L, Gudin J, Raffa R, Kuchera J, Rauck R, Fudin J, Adler J, Mallick-Searle T. Understanding Buprenorphine for Use in Chronic Pain: Expert Opinion. *Pain Medicine* 2020 April 4;21(4): 714–23, <https://doi.org/10.1093/pm/pnz356>
40. Wen J, Yang Y, Wu S, Wei G, Jia S, Hannaford S, Tao Y-X. Long noncoding RNA H19 in the injured dorsal root ganglion contributes to peripheral nerve injury-induced pain hypersensitivity. *Transl Perioper Pain Med*. 2020;7(2):176-184. PMID: 32099850
41. Zuo W, Wu L, Mei Q, Zuo Q, Zhou Z, Fu R, Li W, Wu W, Tewfik G, Ye J-H. Adaptation in 5-HT2 receptors-CaMKII signaling in lateral habenula underlies increased nociceptive-sensitivity in ethanol-withdrawn rats. *Neuropharmacology*. 2019 Nov 1;158:107747. doi: 10.1016/j.neuropharm.2019.107747. PMID: 31445991

Abstracts

1. Bangalore R, Rimal J. Post-Operative Supraventricular Tachycardia In A Pediatric Patient With Known Patent Foramen Ovale. ASA 2019 Annual Meeting October 19-23, 2019 Orlando, FL.
2. Camras D, Convissar D, Discepola P, Malapero P. Unclassified Congenital Airway Anomaly: Ent/ Anesthesiology Collaboration Leads To First Pass Intubation Success. ASA 2019 Annual Meeting October 19-23, 2019 Orlando, FL.
3. Camras D, Schiffenhaus J, Malapero RJ. The Tell-Tale Gas: Artificially Elevated Hemoglobin in the Under-resuscitated Patient. NYSSA 73rd Post-graduate Assembly in Anesthesiology Annual Meeting, New York, NY, December 13 – 17, 2019.
4. Caskey B, Wu Q, Xiong M, Bekker A, Tao Y-X. TET1 Overexpression Mitigates Neuropathic Pain Through Rescuing the Expression of mu Opioid Receptor and Kv1.2 in the Primary Sensory Neurons. ASA 2019 Annual Meeting October 19-23, 2019 Orlando, FL.
5. Channagiri V, Gaballa M, Calvert T, Eloy JD, Amponsah A, Discepola P, Kaufman A. Suprascapular Nerve Ablation for Treatment of Pathological Fracture of Right Humerus. Poster Presentation Accepted to 45th Annual Regional Anesthesia and Acute Pain Meeting, San Francisco, CA, April 23-25, 2020 (Conference cancelled)
6. Convissar D, Nguyen V, Malapero RJ. Reviewing the History, Application Process, and Candidate Qualities of the Dual Critical Care and Adult Cardiothoracic Anesthesiology Fellowship. SCA Annual Meeting. West Palm Beach, April 18-21, 2020
7. Denis D, Malapero R. To Pressor, or Not to Pressor? Anesthetic Considerations for a Patient with 15% LVEF and Mobile LV Thrombus. Selected for presentation: Society of cardiovascular anesthesiologist (SCA) 42nd Annual Meeting & Workshops, April 18-21, 2020, West Palm Beach, Florida. (Cancelled due to public health crisis).
8. Fontoura R, Hong A, Eloy JD, Chaudhry F. Evaluation of Micropores's SpiraLith Absorbents into Anesthesia Breathing Circuits. International Anesthesia Research Society (IARS), Association of University Anesthesiologists (AUA) and Society of Critical Care Anesthesiologists (SOCCA) Annual Meeting, May 14 - 18, 2020, San Francisco, CA, USA.
9. Fontoura R, Hong A, Discepola P, Kloepping C, Hu H. Store-operated calcium channels play an important role in a mouse model of neuropathic pain. International Anesthesia Research Society (IARS), Association of University Anesthesiologists (AUA) and Society of Critical Care Anesthesiologists (SOCCA) Annual Meeting, May 14 - 18, 2020, San Francisco, CA, USA. The conference has been cancelled.
10. Fu R, Zuo W, Owusu P, Ye JH. Role of rmtg-vta-acb circuits in depressive-like behaviors in alcohol-dependent rats. May 2020, New Orleans IABSA. (Cancelled due to COVID-19).

11. Gaballa M, Hansen R, Iannaccone F, Kaufman A. Interscalene Peripheral Nerve Stimulation for Treatment of Post-operative Chronic Shoulder Pain. ASRA 18th Annual Pain Medicine Meeting, New Orleans, LA, November 2019.
12. Gaballa M, Hossain M. Atypical Presentation of Delayed Onset Malignant Hyperthermia. American Society of Anesthesiologists 2019 Annual Meeting, Orlando, FL, October 2019.
13. Gaballa M, Shariff M, Hossain M. Atypical Presentation Of Delayed Onset Malignant Hyperthermia. ASA 2019 Annual Meeting October 19-23, 2019 Orlando, FL.
14. Gaballa M, Fu R, Tang Y, Chen X, Zou Y, Zou W, Bekker A, Ye J. Impairment in endocannabinoid signaling mediates hyperalgesia in rats. NYSSA 73rd Post-graduate Assembly in Anesthesiology Annual Meeting, New York, NY, December 13 – 17, 2019.
15. Gilels S, Munoz F, Patel P, Gao X, Mei Y, Xia J, Hu H. Reactive oxygen species play role in P2X7 receptor-mediated IL-6 production in spinal astrocytes. The New York Academy of Medicine, Anesthesiology Resident Night, 1216 Fifth Avenue at 103rd Street, New York, NY 10029, October 9th, 2019. Awarded first place in the Oral Presentation category.
16. Grech D, Awuku K, Xiong M, Patel A, Bekker A, Reddy K, Tewfik G. A validation Pilot Study Comparing Telemedicine vs. face-to-Face Airway Exam for Conducting Preoperative Airway Evaluation. 73rd Postgraduate Assembly in Anesthesiology, Dec 13- 17, 2019, NY, USA.
17. Gregorian R, Marrett E, Gudin J. A Physician Survey of Patient Counseling Practices on Safe Opioid Storage and Disposal. AAPM&R Annual Meeting, Nov 14-19, 2019, San Antonio, TX, USA.
18. Gregorian R, Marrett E, Gudin J. Safe Opioid Storage and Disposal: A Survey of Patient Beliefs and Practice. American Association of Nurse Practitioners (AANP) National Conference, Jun 18 - 23, 2019, Indianapolis, Indiana.
19. Gudin J, Barenholz Y. Ultra-Long Acting Local Anesthetics: Liposomal Encapsulated Bupivacaine. Poster. 2019 Military Health System Research Symposium, August 2019, Orlando, FL.
20. Gudin J, Mehta N, McClure L, et al. Shorter Drug Testing Intervals Improve Drug Misuse Rates. Poster. PAINWeek 2019
21. Gudin J, Nalamachu S, Argoff C. Topical NSAID Spray Film, A Novel Analgesic Formulation; Sustained Non-Opioid Pain Management. Poster. 2019 Military Health System Research Symposium, August 2019, Orlando, FL.
22. Gudin J, Nalamachu S. Efficacy and Safety Profile of a Topical Methyl Salicylate and Menthol Patch in Adult Patients with Mild to Moderate Muscle Strain: A Randomized, Double-Blind, Parallel-Group, Placebo-Controlled, Multicenter Study. Poster. PAINWeek 2019

23. Hannaford S, Batra M, Rimal J. Acute Pulmonary Edema Following Total Thyroidectomy for Graves Disease. International Anesthesia Research Society (IARS) annual meeting, San Francisco, CA, May 15-18, 2020. IARS online meeting (Meeting cancelled due to Covid-19 Crisis).
24. Hilfiker S. Cellular mechanisms underlying LRRK2-related Parkinson's disease. Physiopathology of Parkinson's disease" (HOPE) congress, Paris, France, Jan 29-31, 2020.
25. Jifang Xiao, Qiang Wu, Guihua Wei, Yuan-Xiang Tao. TET1 Overexpression mitigates neuropathic pain through rescuing the expression of μ -Opioid receptor and Kv1.2 in the primary sensory neurons. The 49th Annual Meeting Society for Neuroscience, Oct 19-23, 2019, Chicago, IL, USA.
26. Jurcik S, Moore R, Discepolo P, Eloy JD. Neurosensory complication after multiple peripheral nerve blocks in the setting of traumatic amputation (e-poster). The ASRA 45th Annual Regional Anesthesiology and Acute Pain Medicine Meeting April 23-25, 2020 (cancelled due to the COVID-19 pandemic).
27. Mei Y, Wei D, Hu H. Peripheral mechanism of store-operated calcium channel Orai1 in inflammatory pain. SFN Annual Meeting, Chicago, IL, October 2019.
28. Naftalovich R, Naftalovich D, Iscander A, Babici D, Berkman T, Vatner S. The carotid sinus reexamined; is it really a baroreceptor? American Physician Scientist Association (APSA) 16th Annual Meeting, March 2020.
29. Novikova A, Camras D, Chaudhry F, Malapero RJ. Triple Jeopardy: Pericardial tamponade, severe pleural effusion, anterior mediastinal mass with SVC compression for emergent surgery. Society of cardiovascular anesthesiologist (SCA) 42nd Annual Meeting & Workshops, April 18-21, 2020, West Palm Beach, Florida. (Cancelled due to public health crisis)
30. Novikova A, Malapero R. Give Me A Break: Right Ventricle Recovery in Severe RV Failure following Venous-Arterial ECMO. Annual Meeting of the New Jersey State Society of Anesthesiologists (NJSSA), June 2020, NJ, USA.
31. Parikh K, Shah SP. Subacute Onset of Paraplegia Secondary to Spinal Arteriovenous Malformation in Child with History of Congenital Syphilis. SPA/AAP Pediatric Anesthesiology 2020 Meeting, Atlantis Paradise Island in Nassau, Bahamas, February 28-March 1, 2020.
32. Patel R, Nawaz M, Kaufman A, Iannaccone F. Peripheral Nerve Stimulation (PNS) Using a Peripheral Nerve Stimulator for Chronic Axial Low Back Pain, Medically Challenging Case. North American Neuromodulation Society Annual Meeting, January 23-26, 2020, Las Vegas, NV.
33. Ptushko M, Shulman S. Successful Use Of Dexmedetomidine For Sedation Of Patient With Severe Form Of Sickle Cell Disease In Combination With Moyamoya Syndrome. ASA 2019 Annual Meeting October 19-23, 2019 Orlando, FL.

34. Rao Fu, Wanhong Zuo, Nimisha Shiwalkar, Qinghua Mei, Qing Fan, Xuejun Chen, Jing Li, Alex Bekker, Jiang-Hong Ye. Ethanol Withdrawal Drives Depressive-like Behavior by Activating Neurons in the Rostromedial Tegmental Nucleus. RoSA, June 22-26, 2019, Minneapolis, Minnesota, USA
35. Rao Fu, Ying Tang, Xuejun Chen, Yucong Zou, Wanhong Zuo, Alex Bekker, Jiang-Hong-Ye. Deficient endocannabinoid signaling in the lateral habenula underlies hyperalgesia during alcohol withdrawal. Neuroscience meeting, Oct 20, 2019, Chicago.
36. Rolle J, Wen J, Yang Y, Wu S, Wei G, Jia S, Hannaford S, Tao Y-X. Long noncoding RNA H19 in the injured dorsal root ganglion in rats contributes to peripheral nerve injury-induced pain hypersensitivity. International Anesthesia Research Society (IARS), Association of University Anesthesiologists (AUA) and Society of Critical Care Anesthesiologists (SOCCA) Annual Meetings 2020, May 14 -19, 2020 San Francisco, CA. (Conference has been cancelled).
37. Ticehurst K, Gaballa M, Calvert T, Kloepping C. Ultrasound-guided Diagnostic Injection of the Pudendal Nerve in a Male Patient with Perineal Pain. ASRA 45th Annual Regional Anesthesiology and Acute Pain Medicine Meeting, San Francisco, CA, April 2020 (postponed).
38. Umeugo J, Gaballa M, Discepolo P. A case report of combined spinal and epidural anesthesia performed on a patient with preexisting intracranial hemorrhage. American Society of Regional Anesthesia and Pain Medicine (ASRA), San Francisco, CA. Accepted for presentation on April 23-25, 2020 (Meeting was canceled due to COVID-19).
39. Umeugo J, Shulman S. Hair weave caused difficult head position which was relieved by ramp. PGA73 - 73rd Postgraduate Assembly in Anesthesiology (PGA), NYC, NY Dec. 13 -17, 2019
40. Williamson C, Glauser T, Sullivan T, McCarburg W, Gudin J, Cheatle M. Targeting the Opioid Epidemic Through Adaptive-Learning CME. Poster ABMS. Chicago Sept 2019
41. Work A, Patel A, Discepolo P. Bilateral Mandibular Tori Requiring Awake Fiberoptic Nasal Intubation After Failed Laryngoscopy In Ambulatory Center. ASA 2019 Annual Meeting October 19-23, 2019 Orlando, FL.
42. Xia J, Dou Y, Mei Y, Munoz F, Li D, Gao R, Hu H. Orail is required for metabotropic glutamate receptor 5-mediated calcium signaling. SFN Annual Meeting, Chicago, IL, October, 2019.
43. Xue Tian, He Zhu, Fuqin Lin, Fengtao Ji, Alex Bekker, Xiaoyang Xu, Yuan-Xiang Tao. Injectable PLGA-coated ropivacaine produces a long-lasting analgesic effect on incisional pain and neuropathic pain. The 49th Annual Meeting Society for Neuroscience, Oct 19-23, 2019, Chicago, IL, USA.
44. Ye JH. The Endocannabinoid System and Alcohol. Medical Cannabis Symposium: The Intersection of Clinical Practice and Science. 2019. Panel Discussion Dec 17, 2019 New Jersey December 18th from 1-1:55 pm at The Palace in Somerset, New Jersey.

45. Yuan-Xiang Tao and Steve Davidson. Discovery and validation of a new long noncoding RNA as a novel target for neuropathic pain. HEAL Investigators Meeting (NIH HEAL Initiative), Jan 16-17, 2020, Bethesda, MD, USA.
46. Zuo W, Li D, Zheng J, Ye J-H. Role of corticotropin-releasing factor in the lateral habenula in anxiety-like behaviors in rats withdrawn from chronic alcohol drinking. Brain Health Institutes, Rutgers, Nov 2019.

Book chapter:

1. Shawn A, Christy A, Reformato V, Kaufman A. Chapter 15-Miscellaneous Agents. In: Academic Pain Medicine, A Practical Guide to Rotations, Fellowship and Beyond edited by Yury Khelemsky, Anuj Malhotra, and Karina Gritsenko, Springer Publishers, 2019
2. Shiwalkar N, Zuo W, Bekker A, Ye J-H. The Role of the Lateral Habenula Circuits in Alcohol Use Disorder. Chapter in Book: Neuroscience in Alcoholism, Mechanisms, and treatments. Edited by Dr. Victor R. Preedy, 3/19/ 2019
3. Qi Kang Zuo, Wanhong Zuo, Jean Daniel Eloy, Jiang-Hong Ye. The rostromedial tegmental nucleus: features and links with alcohol and depression. Chapter in Book, Neuroscience of depression, in press. Edited by Dr. Victor R. Preedy.

Lecture presentations:

1. Tao Y-X. Epigenetic mechanism of neuropathic pain. Nov 14, 2019. Fall 2019 Wyoming Sensory Biology Center, University of Wyoming, Laramie, WY, USA. Invited lecture.
2. Tao Y-X. Epigenetic mechanism of neuropathic pain. June 4, 2019, Department of Anesthesiology and Perioperative Medicine, University of Alabama at Birmingham, Birmingham, AL, USA. Invited lecture.
3. Ye, JH. Electroacupuncture attenuates hyperalgesia in rats withdrawn from chronic alcohol drinking via habenular mu opioid receptors. Invited talk in NIH, Translating fundamental science of acupuncture into clinical practice: for cancer symptom management, pain, and substance abuse. Feb 11-12, 2019, National library of Medicine, NIH, Bethesda, Maryland.
4. Ye JH. The Endocannabinoid System and Alcohol. Medical Cannabis Symposium: The Intersection of Clinical Practice and Science. 2019. Panel Discussion Dec 17, 2019 New Jersey December 18th from 1-1:55 pm at The Palace in Somerset, New Jersey.