

## Departmental Publications

1. Annuntasapakul V, Leurcharusmee P, Chora de la Garza D, **Ah-Kye S, Tran DQH.**  
A randomized comparison between axillary block and targeted intracluster injection supraclavicular blockade for upper limb surgery.  
Can J Anesth. 2015; 62:1287-94
2. Leurcharusmee P, Annuntasapakul V, Chora de la Garza D, Vijitpavan A, **Ah-Kye S, Saelao A, Tiyaprasertkul W, Finlayson RJ, Tran DQH.**  
Reliability of waveform analysis as an adjunct to loss-of-resistance for thoracic épidural blocks. Reg Anesth Pain Med. 2015; 40:694-97
3. **Bracco D, Labeau F.**  
Electronic health record: what do you expect from them?  
Crit Care Med. 2015; 43(6):1342-4
4. Robles-Rubio CA, **Bertolizio G, Brown KA,** Kearney RE.  
Scoring tools for the analysis of infant respiratory inductive plethysmography signals.  
PLoS One. 2015;10(7):e0134182.
5. Robles-Rubio CA, Kaczmarek J, Chawla S, Kovacs L, **Brown KA,** Kearney RE.  
Automated analysis of respiratory behavior in extremely preterm infants and extubation readiness.  
Pediatr Pulmonol. 2015; 50(5):479-86
6. Kanbar LJ, Shalish W, Robles-Rubio CA, Precup D, **Brown K, Sant'Anna GM.**  
Correlation of clinical parameters with cardiorespiratory behavior in successfully extubated extremely preterm infants.  
Conference proceedings. Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual Conference. 2015; 2015:4431-4
7. Kanbar LJ, Shalish W, Robles-Rubio CA, Precup D, **Brown K, Sant'Anna GM.**  
Organizational principles of cloud storage to support collaborative biomedical research.  
Conference proceedings. Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual Conference. 2015; 2015:1231-4
8. Villemure C, Āeko M, Cotton VA, **Bushnell MC.**  
Neuroprotective effects of yoga practice: age-, experience-, and frequency-dependent plasticity.  
Front Hum Neurosci. 2015; 9:281
9. Pecorelli N, Fiore JF Jr, Gillis C, Awasthi R, Mappin-Kasirer B, Niculiseanu P, Fried GM, **Carli F, Feldman LS.**

The six-minute walk test as a measure of postoperative recovery after colorectal resection: further examination of its measurement properties.

Surg Endosc, epub 2015 Aug 27

10. Santa Mina D, **Scheede-Bergdahl C**, Gillis C, **Carli F**.  
Optimization of surgical outcomes with prehabilitation.  
Appl Physiol Nutr Metab.  
2015; 40(9):966-9
11. Gillis C, Loisel SE, Fiore JF Jr, Awasthi R, Wykes L, Liberman AS, Stein B, Charlebois P, **Carli F**.  
Prehabilitation with whey protein supplementation on perioperative functional exercise capacity in patients undergoing colorectal resection for cancer: a pilot double-blinded randomized placebo-controlled trial.  
J Acad Nutr Diet, epub 2015 Jul 21
12. Madani A, Fiore JF Jr, Wang Y, Bejjani J, Sivakumaran L, Mata J, Watson D, **Carli F**, Mulder DS, Sirois C, Ferri LE, Feldman LS.  
An enhanced recovery pathway reduces duration of stay and complications after open pulmonary lobectomy.  
Surgery. 2015; 158(4):899-908; discussion 908-10
13. **Carli F, Scheede-Bergdahl C**.  
Prehabilitation to enhance perioperative care.  
Anesthesiol Clin. 2015; 33(1):17-33
14. **Carrié S**, Anderson TA.  
Volatile anesthetics for status asthmaticus in pediatric patients: a comprehensive review and case series.  
Paediatr Anaesth. 2015; 25(5):460-7
15. Wang NN, **Hatzakorzian R, Carvalho G, Waters P**.  
Entrapment of a pulmonary artery catheter inside a knotted percutaneous sheath introducer. Can J Anaesth. 2015; 25(5):460-7
16. **Khoutorsky A**, Bonin RP, Sorge RE, Gkogkas CG, Pawlowski SA, Jafarnejad SM, Pitcher MH, Alain T, Perez-Sanchez J, Salter EW, Martin L, Ribeiro-da-Silva A, De Koninck Y, **Cervero F, Mogil JS, Sonenberg N**.  
Translational control of nociception via 4E-binding protein 1.  
Elife. 2015 Dec 18;4: e12002
17. Merchant R, **Chartrand D**, Dain S, Dobson G, Kurrek MM, Lagacé A, Stacey S, Thiessen B. Canadian Anesthesiologists' Society. Guidelines to the practice of anesthesia--revised edition.  
Can J Anaesth. 2015; 62(1):54-67

18. Zhou KI, Parisien M, Dai Q, Liu N, **Diatchenko L**, Sachleben JR, Pan T.  
N(6)-Methyladenosine Modification in a Long Noncoding RNA Hairpin Predisposes Its Conformation to Protein Binding.  
J Mol Biol, epub 2015 Sep 4
19. Martin LJ, Piltonen MH, Gauthier J, Convertino M, Acland EL, Dokholyan NV, Mogil JS, **Diatchenko L**, Maixner W.  
Differences in the antinociceptive effects and binding properties of propranolol and bupranolol enantiomers.  
J Pain. 2015; 16(12):1321-33
20. Chabot-Doré AJ, Millecamps M, Naso L, Devost D, Trieu P, Piltonen M, **Diatchenko L**, Fairbanks CA, Wilcox GL, Hébert TE, **Stone LS**.  
Dual allosteric modulation of opioid antinociceptive potency by  $\alpha$ 2A-adrenoceptors.  
Neuropharmacology. 2015; 99:285-300
21. Gao XH, Krokowski D, Guan BJ, Bederman I, Majumder M, Parisien M, **Diatchenko L**, Kabil O, Willard B, Banerjee R, Wang B, Bebek G, Evans CR, Fox PL, Gerson SL, Hoppel CL, Liu M, Arvan P, Hatzoglou M.  
Quantitative H<sub>2</sub>S-mediated protein sulfhydration reveals metabolic reprogramming during the integrated stress response.  
Elife. 2015 Nov 23;4:e10067
22. Hsu YH, Liu Y, Hannan MT, Maixner W, Smith SB, **Diatchenko L**, Golightly YM, Menz HB, Kraus VB, Doherty M, Wilson AG, Jordan JM.  
Genome-wide association meta-analyses to identify common genetic variants associated with hallux valgus in Caucasian and African Americans.  
J Med Genet. 2015; 52(11):762-9
23. van Hecke O, Kamerman PR, Attal N, Baron R, Bjornsdottir G, Bennett DL, Bennett MI, Bouhassira D, **Diatchenko L**, Freeman R, Freynhagen R, Haanpää M, Jensen TS, Raja SN, Rice AS, Seltzer Z, Thorgeirsson TE, Yarnitsky D, Smith BH.  
Neuropathic pain phenotyping by international consensus (NeuroPPIC) for genetic studies: A NeuPSIG systematic review, Delphi survey, and expert panel recommendations.  
Pain. 2015; 156(11):2337-53
24. Meloto CB, Segall SK, Smith S, Parisien M, Shabalina SA, Rizzatti-Barbosa CM, Gauthier J, Tsao D, Convertino M, Piltonen MH, Slade GD, Fillingim RB, Greenspan JD, Ohrbach R, Knott C, Maixner W, Zaykin D, Dokholyan NV, Reenilä I, Männistö PT, **Diatchenko L**.  
COMT gene locus: new functional variants.  
Pain. 2015; 156(10):2072-83
25. Segall SK, Shabalina SA, Meloto CB, Wen X, Cunningham D, Tarantino LM, Wiltshire T, Gauthier J, Tohyama S, Martin LJ, Mogil JS, **Diatchenko L**.  
Molecular genetic mechanisms of allelic specific regulation of murine Comt expression.

- Pain. 2015; 156(10):1965-77
26. Slade GD, Sanders AE, Ohrbach R, Bair E, Maixner W, Greenspan JD, Fillingim RB, Smith S, **Diatchenko L**.  
COMT diplotype amplifies effect of stress on risk of temporomandibular pain.  
J Dent Res. 2015; 94(9):1187-95
  27. De Gregori M, **Diatchenko L**, Belfer I, Allegri M.  
OPRM1 receptor as new biomarker to help the prediction of post mastectomy pain and recurrence in breast cancer.  
Minerva Anaesthesiol. 2015; 81(8):894-900
  28. Wieskopf JS, Mathur J, Limapichat W, Post MR, Al-Qazzaz M, Sorge RE, Martin LJ, Zaykin DV, Smith SB, Freitas K, Austin JS, Dai F, Zhang J, Marcovitz J, Tuttle AH, Slepian PM, Clarke S, Drenan RM, Janes J, Al Sharari S, Segall SK, Aasvang EK, Lai W, Bittner R, Richards CI, Slade GD, Kehlet H, Walker J, Maskos U, Changeux JP, Devor M, Maixner W, **Diatchenko L**, Belfer I, Dougherty DA, Su AI, Lummis SC, Imad Damaj M, Lester HA, Patapoutian A, Mogil JS.  
The nicotinic  $\alpha 6$  subunit gene determines variability in chronic pain sensitivity via cross-inhibition of P2X2/3 receptors.  
Sci Transl Med. 2015; 7(287):287ra72
  29. Convertino M, **Samoshkin A**, Viet CT, Gauthier J, Li Fraine SP, Sharif-Naeini R, Schmidt BL, Maixner W, **Diatchenko L**, Dokholyan NV.  
Differential regulation of 6- and 7-transmembrane helix variants of  $\mu$ -opioid receptor in response to morphine stimulation.  
PLoS One. 2015; 10(11): e0142826
  30. Zhuang GZ, Keeler B, Grant J, Bianchi L, Fu ES, Zhang YP, Erasso DM, Cui JG, Wiltshire T, Li Q, Hao S, Sarantopoulos KD, Candiotti K, Wishnek SM, Smith SB, Maixner W, **Diatchenko L**, Martin ER, Levitt RC.  
Carbonic anhydrase-8 regulates inflammatory pain by inhibiting the ITPR1-cytosolic free calcium pathway.  
PLoS One. 2015; 10(3): e0118273
  31. **Donatelli F**, Nafi M, Di Nicola M, Macchitelli V, Mirabile C, Lorini L, **Carli F**.  
Twenty-four hour hyperinsulinemic-euglycemic clamp improves postoperative nitrogen balance only in low insulin sensitivity patients following cardiac surgery.  
Acta Anaesthesiol Scand. 2015; 59(6):710-22
  32. Gronda E, Genovese S, Padeletti L, Cacciatore F, Vitale DF, Bragato R, Innocenti L, Schiano C, Sommese L, De Pascale MR, Genovese L, Abete P, **Donatelli F**, Napoli C.  
Renal function impairment predicts mortality in patients with chronic heart failure treated with resynchronization therapy.  
Cardiol J. 2015; 22(4):459-66

33. **Finlayson RJ**, Etheridge JP, Tiyaprasertkul W, Nelems B, **Tran DQH**.  
A randomized comparison between ultrasound- and fluoroscopy-guided C7 medial branch block.  
Reg Anesth  
Pain Med. 2015; 40:52-57
34. Ahmed S, Ware P, Visca R, Bareil C, Chouinard M.-C, Desforjes J, **Finlayson R**, Fortin M, Gauthier J & Grimard D.  
The prevention and management of chronic disease in primary care: recommendations from a knowledge translation meeting.  
BMC Res Notes. 2015; 8:571
35. Arnuntasupakul V, Leurcharusmee P, Chora De La Garza D, **Ah-Kye S, Finlayson RJ, Tran de QH**.  
A randomized trial comparing axillary block versus targeted intracluster injection supraclavicular block for upper limb surgery.  
Can J Anaesth. 2015; 62(12):1287-94
36. Gillis C, Feldman LS, **Gamsa A, Carli F**.  
In reply.  
Anesthesiology. 2015; 122(6):1438-9
37. **Moore A**, el-Bahrawy A, **Hatzakorzian R, Li-Pi-Shan W**.  
Maternal epidural fentanyl administered for labor analgesia Is found in neonatal urine 24 hours after birth.  
Breastfeed Med, epub 2015 Dec 24
38. Basaria S, Travison TG, Alford DA, Knapp PE, Davda MN, Teeter K, Cahalan C, Collins L, Eder R, Lakshman K, Bachman E, Mensing G, **Martel MO**, Lee D, Alvarez U, Stroh H, Wasan AD, Bhasin S, Walley A, Edwards RR.  
Effects of testosterone replacement in men with opioid-induced androgen deficiency: a randomized-controlled trial.  
Pain. 2015; 156:280-8
39. **Ingelmo P**, Rivera G, Baird R.  
Pain control after pediatric surgery: learning from the past to perfect the future.  
Pain Manag. 2016; 6(1):9-12
40. Perotti L, Cusato M, **Ingelmo P**, Niebel TL, Somaini M, Riva F, Tinelli C, De Andrés J, Fanelli G, Braschi A, Regazzi M, Allegri M.  
A comparison of differences between the systemic pharmacokinetics of levobupivacaine and ropivacaine during continuous epidural Infusion: a prospective, randomized, multicenter, double-blind controlled trial.  
Anesth Analg. 2015; 121(2):348-56
41. Scalia Catenacci S, Lovisari F, Peng S, Allegri M, Somaini M, Ghislanzoni L, Greco M, Rossini V, D'Andrea L, Buda A, Signorelli M, Pellegrino A, Sportiello D, Bugada D, **Ingelmo PM**.

- Postoperative analgesia after laparoscopic ovarian cyst resection: double-blind multicenter randomized control trial comparing intraperitoneal nebulization and peritoneal instillation of ropivacaine.  
J Minim Invasive Gynecol. 2015; 22(5):759-66
42. Somaini M, Sahillioğlu E, Marzorati C, Lovisari F, Engelhardt T, **Ingelmo PM**.  
Emergence delirium, pain or both? A challenge for clinicians.  
Paediatr Anaesth. 2015; 25(5):524-9
43. Aguilar-Valles A, Matta-Camacho E, **Khoutorsky A**, Gkogkas C, Nader K, Lacaille JC, Sonenberg N.  
Inhibition of group I metabotropic glutamate receptors reverses autistic-like phenotypes caused by deficiency of the translation repressor eIF4E binding protein 2.  
J Neurosci. 2015; 5:35(31)
44. Tenkerian C, Krishnamoorthy J, Mounir Z, Kazimierczak U, **Khoutorsky A**, Staschke KA, Kristof AS, Wang S, Hatzoglou M, Koromilas AE.  
mTORC2 balances AKT activation and eIF2 $\alpha$  serine 51 phosphorylation to promote survival under stress.  
Mol Cancer Res. 2015; 13(10):1377-88
45. Melemedjian OK, **Khoutorsky A**.  
Translational control of chronic pain.  
Prog Mol Biol Transl Sci. 2015; 131:185-213.
46. Schiller PW, Nguyen TM, Saray A, Poon AW, Laferrière A, **Coderre TJ**. The bifunctional  $\mu$  opioid agonist/antioxidant [Dmt(1)]DALDA is a superior analgesic in an animal model of complex regional pain syndrome-type i.  
ACS Chem Neurosci. 2015; 6(11):1789-93
47. Amir A, **Lash V**, **Moore A**, Rao P, Torres C, **Kaufman I**.  
Management of a rare complication of epidural analgesia in an obese laterally positioned parturient: catheter entrapment next to the inferior vena cava.  
Reg Anesth Pain Med. 2015; 40(6):726-8
48. Ballus-Creus C, Rangel MV, Penarroya A, **Perez J**, Leff J.  
Expressed emotion among relatives of chronic pain patients, the interaction between relatives' behaviours and patient's experience.  
Int J Soc Psychiatry. 2015; 60 (2):197-205
49. Reed SJ, **Plourde G**.  
Attenuation of high-frequency (50-200 Hz) thalamocortical EEG rhythms by propofol in rats is more pronounced for the thalamus than for the cortex.  
PLoS One. 2015; 5:18198

50. **Samoshkin A**, Convertino M, Viet CT, Wieskopf JS, Kambur O, Marcovitz J, Patel P, **Stone LS**, Kalso E, Mogil JS, Schmidt BL, Maixner W, Dokholyan NV, Diatchenko L.  
Structural and functional interactions between six-transmembrane  $\mu$ -opioid receptors and  $\beta$ 2-adrenoreceptors modulate opioid signaling.  
Sci Rep. 2015 Dec 11
51. Convertino M, **Samoshkin A**, Viet CT, Gauthier J, Li Fraine SP, Sharif-Naeini R, Schmidt BL, Maixner W, Diatchenko L, Dokholyan NV.  
Differential regulation of 6- and 7-transmembrane helix variants of  $\mu$ -opioid receptor in response to morphine stimulation.  
PLoS One. 2015 Nov 10:e0142826
52. Convertino M, **Samoshkin A**, Gauthier J, Gold MS, Maixner W, Dokholyan NV, Diatchenko L.  
 $\mu$ -Opioid receptor 6-transmembrane isoform: a potential therapeutic target for new effective opioids.  
Prog Neuropsychopharmacol Biol Psychiatry. 2015; 62:61-7
53. Becker S, Gandhi W, nee Tiede, Kwan S, Ahmed AK, **Schweinhardt P**.  
Doubling your pay-off: winning pain relief engages endogenous pain inhibition.  
eNeuro. 2015; 2(4)
54. Tuttle AH, Tohyama S, Ramsay T, Kimmelman J, **Schweinhardt P**, **Bennett GJ**, Mogil JS. Increasing placebo responses over time in U.S. clinical trials of neuropathic pain.  
Pain. 2015; 156(12):2616-26
55. Ceko M, Gracely J, Fitzcharles MA, Seminowicz D, **Schweinhardt P**, **Bushnell MC**.  
Is a responsive default mode network required for successful working memory task performance?  
J Neurosci. 2015; 35(33):11595-605
56. Giladi H, Scott W, **Shir Y**, Sullivan MJ.  
Rates and correlates of unemployment across four common chronic pain diagnostic categories. J Occup Rehabil. 2015; 25:648-57
57. Čeko M, **Shir Y**, Ouellet JA, **Ware MA**, **Stone LS**, Seminowicz DA.  
Partial recovery of abnormal insula and dorsolateral prefrontal connectivity to cognitive networks in chronic low back pain after treatment.  
Human Brain Mapping. 2015; 36(6):2075-92
58. Adelmanesh F, Jalali A, Shooshtari SMJ, Raissi GR, Ketabchi SM, **Shir Y**.  
Is there an association between lumbosacral radiculopathy and painful gluteal trigger Points? A cross-sectional study.  
Am J Phys Med Rehabil. 2015; 94:784-91
59. Dahan H, **Shir Y**, Velly AM, Allison JP.  
Specific and number of comorbidities are associated with increased levels of temporomandibular pain severity and duration.

- J Headache Pain. 2015; 16:528
60. Rampakakis E, Ste-Marie PA, Sampalis JS, Karellis A, **Shir Y**, Fitzcharles MA. Real-life assessment of the validity of patient global impression of change in fibromyalgia.  
RMD Open. 2015; 1(1):e000146
61. **Samoshkin A**, Convertino M, Viet CT, Wieskopf JS, Kambur O, Marcovitz J, Patel P, **Stone LS**, Kalso E, Mogil JS, Schmidt BL, Maixner W, Dokholyan NV, Diatchenko L.  
Structural and functional interactions between six-transmembrane  $\mu$ -opioid receptors and  $\beta$ 2-adrenoreceptors modulate opioid signaling.  
Sci Rep. 2015; 5:18198
62. Millecamps M, Czerminski JT, Mathieu AP, **Stone LS**.  
Behavioural signs of axial low back pain and motor impairment correlate with the severity of intervertebral disc degeneration in a mouse model.  
The Spine Journal. 2015; 15(12):2524-37
63. Abdelaziz DM, Abdullah S, Magnussen C, Ribeiro-da-Silva A, Komarova SV, Rauch F, **Stone LS**.  
Behavioral signs of pain and functional impairment in a mouse model of osteogenesis imperfecta.  
Bone. 2015; 81:400-6
64. Chabot-Doré AJ, Millecamps M, Naso L, Devost D, Trieue P, Piltonena M, Diatchenko L, Fairbanks CA, Wilcox GL, Hébert TE, **Stone LS**.  
Dual allosteric modulation of opioid antinociceptive potency by  $\alpha$ 2A-adrenoceptors.  
Neuropharmacology. 2015; 99:285-300
65. Abdelaziz DM, **Stone LS**, Komarova SV.  
Localized experimental bone metastasis drives osteolysis and sensory hypersensitivity at distant non-tumor bearing sites.  
Breast Cancer Research and Treatment. 2015; 153(1):9-20
66. Alvarado S, Tajerian M, Suderman M, Machnes Z, Pierfelice S, Millecamps M, **Stone LS**, Szyf M.  
An epigenetic hypothesis for the genomic memory of pain.  
Frontiers in Cellular Neuroscience. 2015; 9:88
67. Chabot-Doré AJ, Schuster D, **Stone LS**, Wilcox GL.  
Analgesic synergy between opioid and alpha-2 adrenergic receptors.  
Br J Pharmacol. 2015; 172(2):388-402
68. Chora de la Garza D, Chalermkitpanit P, Leurcharusmee P, Arnuntasupakul V, **Tran DQH**, **Finlayson RJ**.  
How should beginners learn ultrasound in-plane needle techniques?  
A randomized comparison between directed and self-learning  
J Anesth Clin Res. 2015; 6:569

69. Tarride JE, Moulin DE, Lynch M, Clark AJ, Stitt L, Gordon A, Morley-Forster PK, Nathan N, Smyth C, Toth C, **Ware MA**.  
Impact on health-related quality of life and costs of managing chronic neuropathic pain in academic pain centres: results from a one year prospective observational Canadian study.  
Pain Research & Management. 2015; 20(6):327-33
70. Page JE, **Ware MA**.  
Closing the cannabis knowledge gap.  
Nature. 2015; 525(7570):S9.
71. **Ware MA**, Wang TT, Shapiro S, Collet JP, Boulanger A, Esdaile J, Gordon A, Lynch ME, Moulin DE, O'Connell C.  
Cannabis for the management of pain: assessment of safety study (COMPASS).  
Journal of Pain. 2015; 16:1233-42
72. Andrae MH, Carter GM, Shaparin N, Suslov K, Ellis RJ, **Ware MA**, Abrams DI, Prasad H, Wilsey B, Indyk D, Johnson M, Sacks HS.  
Inhaled cannabis for chronic neuropathic pain: an individual patient data meta-analysis.  
Journal of Pain. 2015; pii: S1526-5900(15)00812-3
73. St-Amant H, **Ware MA**, Julien NL, Lacasse A.  
Prevalence and determinants of cannabinoid prescription for the management of chronic non-cancer pain: A postal survey of physicians of the Abitibi-Témiscamingue region of Quebec.  
Canadian Medical Association Journal Open. 2015; 2(3):E251-E257
74. Lacasse A, **Ware MA**, Choinière M.  
Is the Quebec provincial administrative database a valid source for research on chronic non-cancer pain?  
Pharmacoepidemiol Drug Saf. 2015; 24(9):980-90
75. Moulin DE, Clark AJ, Gordon A, Lynch M, Morley-Forster PK, Nathan H, Smyth C, Toth C, VanDenKerkhof E, Gilani A, **Ware MA**.  
Long term outcome of the management of chronic neuropathic pain - a prospective observational study.  
J Pain. 2015; 16(9):852-61
76. Bostick GP, Toth C, Carr EC, Stitt LW, Morley-Forster P, Clark AJ, Lynch M, Gordon A, Nathan H, Smyth C, **Ware MA**, Moulin DE.  
Physical functioning and opioid use in patients with neuropathic pain.  
Pain Medicine. 2015; 16:1361-8
77. Giladi H, Choiniere M, Fitzcharles MA, **Ware MA**, Tan X, **Shir Y**.  
Pregabalin for chronic pain: does one medication fit all?  
Current Medical Research and Opinion 2015; 31(7):1403-11

78. Lynch ME, **Ware MA**.  
Cannabinoids for the Treatment of Chronic Non-cancer Pain: An Updated Review of Randomized Controlled Trials.  
J Neuroimmune Pharmacol. 2015; 10(2):293-301
79. Ziemianski D, Capler R, Tekanoff R, Lacasse A, Luconi F, **Ware MA**.  
Cannabis in medicine: a national educational Needs Assessment among Canadian physicians. BMC Medical Education. 2015; 15:52
80. **Ware MA**, Ziemianski D.  
Medical education on cannabis and cannabinoids: perspectives, challenges, and opportunities. Clin Pharmacol Ther. 2015; 97(6):548-50
81. Wallace M and **Ware MA**.  
Medical marijuana: here to stay and time to take responsibility (editorial).  
Clin J Pain. 2015; 31(11):931-2
82. Geoff Frawley, Graham Bell, Nicola Disma, **Davinia E. Withington**, Jurgen C. de Graaff, Neil S. Morton, Mary Ellen McCann, Sarah J. Arnup, Oliver Bagshaw, Andrea Wolfler, David Bellinger, Andrew J. Davidson (& GAS Consortium).  
Predictors of failure of awake regional anesthesia for neonatal hernia repair: data from the General Anesthesia compared to Spina anesthesia (GAS) study: comparing apnoea and neurodevelopmental outcomes.  
Anesthesiology. 2015; 123:38-54
83. Davidson AJ, Disma N, de Graaff JC, **Withington DE**, Dorris L, Bell G, Stargatt R, Bellinger DC, Schuster T, Arnup SJ, Hardy P, Hunt RW, Takagi MJ, Giribaldi G, Hartmann PL, Salvo I, Morton NS, von Ungern Sternberg BS, Locatelli BG, Wilton N, Lynn A, Thomas JJ, Polaner D, Bagshaw O, Szmuk P, Absalom AR, Frawley G, Berde C, Ormond GD, Marmor J, McCann ME; GAS consortium.  
Neurodevelopmental outcome at 2 years of age after general anaesthesia and awake-regional anaesthesia in infancy (GAS): an international multicentre, randomised controlled trial.  
Lancet, epub 2015 Nov 4.
84. Davidson AJ, Morton NS, Arnup SJ, de Graaff JC, Disma N, **Withington DE**, Frawley G, Hunt RW, Hardy P, Khotcholava M, von Ungern Sternberg BS, Wilton N, Tuo P, Salvo I, Ormond G, Stargatt R, Locatelli BG, McCann ME; General anesthesia compared to spinal anesthesia (GAS) Consortium.  
Apnea after awake regional and general anesthesia in infants: the general anesthesia compared to spinal anesthesia study--comparing apnea and neurodevelopmental outcomes, a randomized controlled trial.  
Anesthesiology. 2015; 123(1):38-54
85. **Yazer MS, Finlayson RJ, Tran DQH**.  
A randomized comparison between ultrasound-guided infraclavicular block and targeted intracluster injection supraclavicular block.  
Reg Anesth Pain Med. 2015; 40:11-5

86. Tiyaprasertkul W, Bernucci F, Gonzalez A, Leurcharusmee P, **Yazer MS**, Techasuk W, Arnuntasulpakul V, Chora D, **Finlayson RJ**, **Tran DQH**.  
A randomized comparison between single- and triple-injection subparaneural popliteal sciatic nerve block.  
Reg Anesth Pain Med. 2015; 40:315-20

## Book Chapters

1. Cologne K, **Baldini G**.  
The Sages / ERAS society manual of enhanced recovery programs for gastrointestinal surgery.  
Edited by Feldman L, Delaney CP, Ljungqvist O, **Carli F**.  
Choosing analgesia to facilitate recovery.  
Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) 2015.
2. **G. Bertolizio, K. Brown**.  
Perioperative care of children with OSA.  
In: Astuto M, **Ingelmo PM**.  
Perioperative medicine in pediatric anesthesia.  
Springer International Publishing AG, 2016.
3. Hannalah RS, **Brown KA**, Verghese ST.  
Chapter 31. Otorhinolaryngologic procedures.  
In: A practice of anesthesia for infants and children.  
Edited by Coté CJ, Lerman L, Anderson B.
4. **Hemmerling TM**.  
Robotic anesthesia.  
In: Miller's Textbook of Anesthesia. 2015
5. **Hemmerling TM**, Giacalone M.  
Ultrasound guided eye nerve blocks.  
In: Ultrasound in anaesthetic practice.  
Edited by Arthurs & Nicholls.  
Cambridge University Press. 2015
6. **Hemmerling TM**, Giacalone M.  
Airway assessment via ultrasound.  
In: Ultrasound in anaesthetic practice.  
Edited by Arthurs & Nicholls.  
Cambridge University Press. 2015
7. **Ingelmo P**.  
Perioperative metabolic care of the term and preterm infant.  
In: Lerman J, Neonatal Anesthesia.  
Springer.
8. Gandhi W, Becker S, **Schweinhardt P**.  
The influence of pain on reward processing: current literature and prospects.  
In: Neurobiological Studies of Addiction in Chronic Pain States.  
Contemporary Clinical Neuroscience 2015; 17:31-48

## Abstracts

1. Wang NN, **Ah-Kye S, Guzzo A, Baldini G.**  
Epidural hematoma on subcutaneous heparin, aspirin and celecoxib.  
Canadian Anesthesiology Society, Ottawa, Ontario, Canada.  
June 19-22
2. S.Yang, Gómez-Izquierdo JC, **Baldini G.**  
The impact of intraoperative beta-blockers on postoperative pain outcomes:  
a systematic review and meta-analysis.  
American Society of Anesthesiology, New Orleans, USA.  
October 22-26
3. Shalish W, Robles-Rubio CA, **Brown KA**, Sant Anna GM, Kearney RE.  
Correlation of clinical parameters with cardiorespiratory behavior in successfully extubated  
extremely preterm infants.  
IEEE Engineering in Medicine and Biology Society. Milano, Italy.  
August 25-29
4. Shalish W, Robles-Rubio CA, **Brown KA**, Sant Anna GM, Kearney RE.  
Organizational principles of cloud storage to support collaborative biomedical research. IEEE  
Engineering in Medicine and Biology Society. Milano, Italy.  
August 25-29
5. Kitamura Y, **Brown KA**, Nguyen L, Constantin E.  
Do the severe clinical signs and symptoms indicate severe OSA in children?  
American Society of Anesthesiologists. San Diego.  
October
6. **Samoshkin A**, Kambur O, Wieskopf J. S, Mogil J. S, Kalso E, **Diatchenko L.**  
 $\beta$ 2-AR antagonist ICI 118,551 reduces OIH after chronic opioids administration in mice.  
Society for Neuroscience (SFN) 45th Annual Meeting, Chicago, IL, USA.  
October 17-21
7. Yang S, Sirois C, **Kardash K.**  
Intraoperative pneumoperitoneum presenting as abdominal distension.  
Canadian Anesthesiology Society, Ottawa, Ontario, Canada.  
June 19-22
8. Olivier S, **Perez J, Shir Y**, Borod M, O'Grady R.  
The McGill University Health Centre interdisciplinary approach to cancer pain management:  
description of treatments and outcomes.  
J Clin Oncol 2015; 32: suppl 31; abstr 190

9. **Samoshkin A**, Kambur O, Wieskopf J. S, Mogil J. S, Kalso E, **Diatchenko L**.  
 $\beta$ 2-AR antagonist ICI 118,551 reduces OIH after chronic opioids administration in mice.  
Neuroscience 2015, Poster: Society for Neuroscience (SFN) 45th Annual Meeting, Chicago, IL, USA.  
October 17-21
10. Lichtenwalter KS, Lichtenwalter RN, Ase AR, Niu, M., Séguéla P, Komarova S, Slade GD, Dubner R, Fillingim RB, Greenspan JD, Ohrbach RK, Knott C, Weir BS, Maixner W, **Diatchenko LB**.  
The fine line between gain and loss: a genetic characterization of P2RX7 and its relevance to pain.  
36th Annual Scientific Meeting of the Canadian Pain Society. Charlottetown, PEI, Canada.  
May
11. Lichtenwalter KS, Lichtenwalter RN, Ase AR, Niu, M., Séguéla P, Komarova S, Slade GD, Dubner R, Fillingim RB, Greenspan JD, Ohrbach RK, Knott C, Weir BS, Maixner W, **Diatchenko LB**.  
P2RX7 genetics at the crossroads of neuroimmune interactions.  
9th Congress of the European Pain Federation EFIC. Vienna, Austria.  
Sept
12. Piltonen M, Chabot-Doré AJ, Parisien M, **Diatchenko L**.  
Expression of a novel delta-opioid receptor isoform in human brain and a neuroblastoma cell line.  
Poster for: 9th Annual Canadian Neuroscience Meeting, Vancouver, Canada.  
May
13. Piltonen M, Chabot-Doré AJ, Parisien M, **Stone LS, Diatchenko L**.  
Expression of an alternative delta-opioid receptor transcript in the mouse spinal cord.  
Poster for Society for Neuroscience. Chicago, USA.  
October
14. Meloto CB, Segall SK, Smith S, Parisien M, Shabalina SA, Rizzatti-Barbosa CM, Gauthier J, Tsao D, Convertino M, Piltonen M, Slade G, Fillingim R, Greenspan J, Ohrbach R, Knott C, Maixner W, Zaykin D, Dokholyan N, Reenilä I, Männistö P, **Diatchenko L**.  
COMT gene locus: new functional variants.  
Poster for 7th Study In Multidisciplinary Pain Research (SIMPAR). Rome, Italy.  
March
15. Miller V, Slade GG, Sanders AE, Fillingim, Greenspan J, Ohrbach R, Bair E, **Diatchenko L**, Maixner W.  
Chronic Temporomandibular Disorder and Smoking: the OPPERA Case Control Study.  
93rd International Association for Dental Research - Boston Massachusetts, USA.  
March 11-14

16. Parisien M, Belfer I, **Diatchenko L**.  
Expression quantitative trait loci in human dorsal root ganglions.  
Poster: 5th Annual Canada Excellence Research Chairs Meeting, Waterloo, Canada.  
April
17. Piltonen M, Chabot-Doré AJ, Parisien M, **Diatchenko L**.  
Identification of new delta-opioid receptor isoforms.  
19th Annual McGill Pain Day. Montreal, Canada.  
January
18. Parisien M, Belfer I, **Diatchenko L**.  
Expression quantitative trait loci in human dorsal root ganglions.  
19th Annual McGill Pain Day. Montreal, Canada.  
January
19. Meloto CB, Segall SK, Smith S, Parisien M, Shabalina SA, Rizzatti-Barbosa CM, Gauthier J, Tsao D, Convertino M, Piltonen M, Slade G, Fillingim R, Greenspan J, Ohrbach R, Knott C, Maixner W, Zaykin D, Dokholyan N, Reenilä I, Männistö P, **Diatchenko L**.  
COMT gene locus: new functional variants.  
19th Annual McGill Pain Day. Montreal, Canada.  
January
20. Khoury S, Cole T, Parisien M, Smith S, Neely G, Slade G, Fillingim R, Greenspan J, Ohrbach R, Maixner W, **Diatchenko L**.  
Genetic association study of somatic symptoms in a temporomandibular disorder pain cohort.  
19th Annual McGill Pain Day. Montreal, Canada,  
January
21. Lichtenwalter KS, Ase AR, Lichtenwalter RN, Séguéla P, Komarova S, Slade GD, Dubner R, Fillingim RB, Greenspan JD, Ohrbach RK, Knott C, Weir BS, Maixner W, **Diatchenko LB**.  
The foul in fair and the fair in foul: gaining and losing pain with SNPs in P2RX7.  
19th Annual McGill Pain Day. Montreal, Canada,  
January
22. Wen X, Lichtenwalter RN, **Diatchenko LB**, Lichtenwalter K.  
The human pain genes database: an interactive web compendium of human pain-related genetic variants.  
19th Annual McGill Pain Day. Montreal, Canada,  
January
23. Gandhi W, Pomares FB, Asenjo JF, Naso L, **Schweinhardt P**.  
Relationship between the development of neuropathic symptoms and brain alterations following thoracotomy.

- 5th International congress on neuropathic pain. Nice, France.  
May
24. Price RC, Gandhi W, Hoeppli M-E, Becker S, **Schweinhardt P**.  
Opioid blockade decreases subjective ratings of relief.  
Canadian Pain Society Meeting, Charlottetown, Prince Edward Island, Canada.  
May
25. Piltonen M, Chabot-Doré AJ, Parisien M, **Stone LS**, and **Diatchenko L**.  
Expression of an alternative delta-opioid receptor transcript X1 in mouse central nervous system.  
Society for Neuroscience Annual Meeting. Chicago, IL, USA.  
October
26. Millecamps M, Suzuki M, Sun YR, Danco A, Mathieu AP, Chabot-Doré AJ, John Kim BX, **Stone LS**.  
Chronic low back pain is mediated by increased NGF in intervertebral discs: Therapeutic effect of active lifestyle and pharmacological interventions in mice.  
Society for Neuroscience Annual Meeting. Chicago, IL, USA.  
October
27. Gregoire S, Massart R, Dymov S, Millecamps M, Suderman M, Koenig K, **Stone LS**, Szyf M.  
Changes in DNA methylation in the prefrontal cortex in chronic neuropathic pain: effect of S-Adenosylmethionine (SAM) on pain behaviors.  
Society for Neuroscience Annual Meeting, Chicago, IL, USA.  
October
28. Krock E, Currie JB, Rosenzweig DH, Weber MH, Ouellet JA, **Stone LS**, Haglund L.  
Toll-like receptor2 regulates nerve growth factor via NF-κB signalling in intervertebral disc cells.  
Canadian Connective Tissue Conference, Quebec City, QC, Canada.  
American Pain Society Annual Meeting. Palm Springs, CA, USA  
May
29. Gregoire S, Massart R, Dymov S, Millecamps M, **Stone LS**, Szyf M.  
Broad and highly organized changes in DNA methylation in prefrontal cortex and T cells in a model of chronic neuropathic pain in rats.  
McGill Pain Day, Montreal, QC, Canada in January.  
2nd Annual Montreal Postdoctoral Research Day, Montreal, QC, Canada in February.  
American Pain Society Annual Meeting. Palm Springs, CA, USA in May.
30. Krock E, Currie JB, Weber MH, Ouellet JA, **Stone LS**, Rosenzweig DH, Haglund L,

Toll-like receptor2 activates NF- $\kappa$ B signaling to increase nerve growth factor in human intervertebral disc cells.

McGill Pain Day. Montreal, QC, USA.

January

## Review Articles

1. **Baldini G**, Francesco C.  
The current and future role of regional anesthesia in enhanced recovery after surgery programs for abdominal surgery.  
Advances in Anesthesia. 2015; 33:39–59
2. **Baldini G**, Fawcett WJ.  
Anesthesia for colorectal surgery.  
Anesthesiol Clin. 2015; 33(1):93-123
3. Fawcett WJ, **Baldini G**.  
Optimal analgesia during major open and laparoscopic abdominal surgery.  
Anesthesiol Clin. 2015; 33(1):65-78
4. Scott MJ, **Baldini G**, Fearon KC, Feldheiser A, Feldman LS, Gan TJ, Ljungqvist O, Lobo D, Rockall TA, **Schricker T**, **Carli F**.  
Enhanced recovery after surgery (ERAS) for gastrointestinal surgery, part 1: pathophysiological considerations  
Acta Anaesthesiol Scand. 2015; 59(10):1212-31
5. Feldheiser A, Aziz O, **Baldini G**, Cox BP, Fearon KC, Feldman LS, Gan TJ, Kennedy RH, Ljungqvist O, Lobo DN, Rockall TA, Miller T, Radtke FF, Ruiz Garces T, **Schricker T**, Scott MJ, Ytrebø LM, **Carli F**.  
Enhanced recovery after surgery (ERAS) for gastrointestinal surgery, part 2: consensus statement for anaesthesia practice  
Acta Anaesthesiol Scand. 2015; Oct 30, epub
6. Gómez-Izquierdo JC, Feldman LS, **Carli F**, **Baldini G**.  
Meta-analysis of the effect of goal-directed therapy on bowel function after abdominal surgery.  
Br J Surg. 2015; 102(6):577-89
7. Gillis C, **Carli F**.  
Promoting perioperative metabolic and nutritional care.  
Anesthesiology. 2015; 123(6):1455-72
8. Huijnen IP, Rusu AC, Scholich S, Meloto CB, **Diatchenko L**.  
Subgrouping of low back pain patients for targeting treatments: evidence from genetic, psychological, and activity-related behavioral approaches.  
Clin J Pain. 2015; 31(2):123-32
9. Gupta G, Massie R, Doherty TJ, Bourque PR, Radhakrishna M, **Finlayson RJ**, Besemann M, Simantirakis E, Bonham D.  
Diabetic cranio-cervico-radiculoplexus neuropathy.

- Physical Med Rehab. 2015; 7:1189-93
10. Leurcharusmee P, Tiyaprasertkul W, **Finlayson RJ, Tran DQH.**  
Ultrasound-guided brachial plexus blocks: a review of techniques and approaches.  
Thai J Anesth. 2015; 41:103-25
  11. **Schricker T, Lattermann R.**  
Peroperative catabolism.  
Can J Anesth. 2015; 62:182-93
  12. Gracely R, **Schweinhardt P.**  
Key mechanisms mediating fibromyalgia.  
Clin Exp Rheumatol. 2015; 11(2):116-30
  13. **Schweinhardt P,** Gracely R.  
Programmed symptoms: disparate effects united by purpose.  
Curr Rheumatol Rev. 2015; 11(2):116-30
  14. Kudrina I, **Shir Y,** Fitzcharles MA.  
Multidisciplinary treatment for rheumatic pain.  
Best Pract Res Clin Rheumatol. 2015; 29(1):56-63
  15. **Tran DQH,** González AP, Bernucci F, **Finlayson RJ.**  
Confirmation of loss-of-resistance for epidural analgesia.  
Reg Anesth Pain Med. 2015; 40:166-73
  16. Ahmed S, Ware P, Visca R, Chouinard MC, Desforges J, **Finlayson R,** Fortin M, Gauthier J, Guay M, Hudon C, Lalonde L, Lévesque L, Michaoud C, Provost S, Sutton T, Toussignant P, Traves S, **Ware MA,** Gogovor A.  
The prevention and treatment of chronic disease in primary care: recommendations from a knowledge translation meeting.  
BMC Research Notes. 2015; 8:571
  17. Ziemianski D, **Ware MA.**  
The new Marihuana for Medical Purposes Regulations (MMPR): what the Canadian physician needs to know.  
Journal of Hospital Administration. 2015; Vol 4, No 5
  18. **Ware MA,** Lavigne G.  
Canadian Orofacial Pain Team Workshop Report on Global Year against Orofacial Pain.  
Pain Research and Management. 2015; January
  19. Ferguson G, **Ware MA.**  
Sleep, pain and cannabis.  
Journal of Sleep Disorders and Therapy. 2015; 4:2

## Brief Communications

1. **Bertolizio G, Ingelmo P.**  
Propofol and additives in studies evaluating inflammatory responses.  
J Pediatr Hematol Oncol. 2015; 37(1): 73-4
2. **Carli F, Chora D, Awasthi R, Asenjo JF, Ingelmo P.**  
Preoperative pulse and thermal radiofrequency facilitates prehabilitation and subsequent rehabilitation of a patient scheduled for total knee arthroplasty.  
Can J Anaesth. 2015; 62(12):1355-6
3. **Diatchenko L.**  
“Quicker relief for chronic pain sufferers, McGill researchers on the leading edge”.  
written by McGill Alumni Association.  
November 2
4. **Diatchenko L.**  
The English version of the "talking heads" will be "premiered" at the next CERC announcement at UBC on Friday June 26, 2015.  
CERC videos that were filmed at the annual meeting in Waterloo.  
June 24
5. **Diatchenko L.**  
“Customizing Relief” interview with Dr. Luda Diatchenko by Mark Witten Headway Spring 2015, 10th Anniversary Issue. McGill Researchers take knowledge to new heights, from genomics and human rights to technology and biodiversity.  
April 19
6. **Finlayson RJ, Visca R.**  
“A management algorithm for acute low back pain”.  
Quebec Health Ministry publications.  
May
7. **Zaouter C, Calderon J, Hemmerling TM.**  
Videolaryngoscopy as a new standard of care.  
Br J Anaesth. 2015; 114(2):181-3 (Editorial)
8. **Ingelmo PM, Frawley G, Bortone L.**  
We can't tell emergence agitation from pain, yet.  
Reply to: Stucke and Weisman 'Can we tell emergence agitation from pain?'  
Paediatr Anaesth. 2015; 25(2):218-20