

Publications

Department of Anesthesiology, Perioperative and Pain Medicine

Children's Hospital Boston

July 1, 2009 – June 30, 2010

Lab Research Publications

1. Bajic D, Commons KG. Acute noxious stimulation increases morphine effect in subset of serotonergic and not dopaminergic midbrain areas. *Neuroscience* 2010;166:720-29.
2. Bajic D, Commons KG. Visualizing acute pain – morphine interaction in monoamine descending pain modulatory pathways with Fos. *Brain Res* 2010;1306:29-38.
3. Bi S, Liu JR, Li Y, Wang Q, Liu HK, Yan YG, Chen BQ, Sun WG. γ -Tocotrienol modulates the paracrine secretion of VEGF induced by cobalt (II) chloride via ERK signaling pathway in gastric adenocarcinoma SGC-7901 cell line. *Toxicology*. 2010;274(1-3):27-33.
4. Bratlie KM, Dang TT, Lyle S, Nahrendorf M, Weissleder R, Langer R, Anderson D. Rapid biocompatibility analysis of materials via in vivo fluorescence imaging of mouse models. *PLoS One*. 2010;5(4):e10032.
5. Brusseau R, Kunisaki S, Fauza D, Buchmiller T, Maher T, Bohlke M, , Zurakowski C, Myers LB. Fetal and maternal plasma concentrations after intraamniotic fentanyl administration in pregnant sheep. *Anesth Analg*, in press.
6. Choi YH, Cowan DB, Wahlers TC, Hetzer R, del Nido PJ, Stamm C. Calcium sensitisation impairs diastolic relaxation in post-ischaemic myocardium: implications for the use of Ca(2+) sensitising inotropes after cardiac surgery. *Euro J Cardiothorac Surg* 2010;37:376-83.
7. Commons KG. Neural circuits linking substance P neurotransmission and addiction. *Brain Res*. 2010;1314:175-82.
8. Commons KG, Serock M. Coincidence of neurokinin 1 receptor with the vesicular glutamate transporter 3 in the rat forebrain. *Neuroscience Letters*, 2009;464(3):188-92.
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11. Dearling JLJ, Park EJ, Dunning P, Fahey F, Treves ST, Soriano SG, Shimaoka M, Parkard AB, Peer D. Detection of intestinal inflammation by PET imaging using a ⁶⁴Cu-labeled anti-β₇ integrin antibody. *Inflamm Bowel Dis* 2010;16:1458-66.
12. Dvir T, Banghart MR, Timko BP, Langer R, Kohane DS: Photo-targeted nanoparticles. *Nano Letters* 2010;10:250-4.
13. Eckenhoff R, Xi J, Bhattacharji A, Shimaoka M, Covarrubias M, Dailey W. Azi-isoflurane, a photolabel analog of the commonly used inhaled general anesthetic, isoflurane. *ACS Chem Neurosci* 2010;17(2):139-45.
14. Epstein-Barash H, Orbey G, Polat BE, Ewoldt RE, Feshitan J, Langer R, Borden MA, Kohane DS: A microcomposite hydrogel for repeated on-demand ultrasound-triggered drug delivery. *Biomaterials* 2010;31:5208-17.
15. Epstein-Barash H, Shichor I, Kwon AH, Hall S, Lawlor MW, Langer R, Kohane DS: Prolonged duration local anesthesia with minimal toxicity. *Proc Natl Acad Sci USA* 2009;106:7125-30.
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22. Hoare T, Santamaria J, Goya GF, Irusta S, Lin D, Lau S, Padera R, Langer R, Kohane DS: A magnetically triggered composite membrane for on-demand drug delivery. *Nano Letters* 2009;9:3651-7.
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43. Sharara-Chami R, Joachim M, Mulcahey M, Ebert S, Majzoub J. Effect of epinephrine deficiency on cold tolerance and on brown adipose tissue. *Molecular and Cellular Endocrinology*, in press.
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Clinical Research Publications

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Children's Hospital Boston

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81. Fowler RA, Webb SA, Rowan KM, Sprung CL, Thompson BT, Randolph AG, et al. Early observational research and registries during the 2009-2010 influenza pandemic. *Crit Care Med* 2010;38:e120-e132.
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91. Kitahori K, He H, Kawata M, Cowan D, Friehs I, Del Nido P, McGowan F. Development of left ventricular diastolic dysfunction with preservation of ejection fraction during progression of infant right ventricular hypertrophy. *Circ Heart Fail* 2009;2(6):599-607.
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101. Odegard KC, Zurakowski D, DiNardo JA, Castro RA, McGowan FX Jr, Neufeld EJ, Laussen PC. Prospective longitudinal study of coagulation profiles in children with hypoplastic left heart syndrome from stage I through Fontan completion. *J Thorac Cardiovasc Surg* 2009;137:934-941.
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