

PUBLICATIONS (selected)
May 22, 2008
James M. Crawford, M.D., Ph.D.

Refereed Journal Publications, original work

1. Zhu H, Nelson DR, Crawford JM, Liu C (2005). Defective Jak-Stat activation in hepatoma cells is associated with hepatitis C viral IFN- α resistance. *J. Interferon & Cytokine Research* 25: 528-539.
2. Zander DS, Cogle CR, Theise ND, Crawford JM. (2006). Donor-derived type II pneumocytes are rare in the lungs of bone marrow transplant recipients. *Annals Clin Lab Sci* 36: 47-52.
3. Lu Y, Tang M, Wasserfall C, Kou Z, Campbell-Thompson M, Gardemann T, Crawford J, Atkinson M, Song S. (2006). Alpha1-antitrypsin gene therapy modulates cellular immunity and efficiently prevents type 1 diabetes in nonobese diabetic mice. *Hum Gene Ther* 17: 625-634.
4. Lu Y, Choi YK, Campbell-Thompson M, Li C, Tang Q, Crawford JM, Flotte TR, Song S (2006). Therapeutic level of functional human alpha 1 antitrypsin (hAAT) secreted from murine muscle transduced by adeno-associated virus (rAAV1) vector. *J Gene Med*. 8: 730-735.
5. Fong Y, Wagman L, Gonen M, Crawford J, Reed W, Swanson R, Pan C, Ritchey J, Stewart A, Choti M. (2006). Evidence-based gallbladder cancer staging: changing cancer staging by analysis of data from the National Cancer Database. *Annals Surg* 243: 767-771; discussion 771-774.
6. Liu JTC, Mandella MJ, Crawford JM, Friedland S, Soetikno R, Contag CH, Kino GS, Wang TD. Dual-axes confocal reflectance microscope for distinguishing colonic neoplasia. (2007) *J Biomedical Optics* 2006; 11(5): 054019 (PMID 17092168).
7. Dixon LD, Crawford JM (2007). Early changes in fibrosing cholestatic hepatitis C. *Liver Transplantation* 13: 219-226.
8. Kass ME, Crawford JM, Bennett BD, Cox TM, Grimes MM, LiVolsi V, Fletcher CDM, Wilkinson DS (2007). Adequacy of Pathology Residency Training for employment: A survey report from the Future of Pathology Task Group. *Arch Pathol Lab Med* 131: 545-555.
9. Wang TD, Triadafilopoulos G, Crawford JM, Dixon LR, Bhandari T, Sahbaie P, Friedland S, Soetikno R, Contag CH (2007). Detection of endogenous biomolecules in Barrett's esophagus by Fourier Transform Infrared (FTIR) spectroscopy. *Proc Natl Acad Sci USA* 104: 15864-15869.
10. Wang TD, Friedland S, Sahbaie P, Soetikno R, Hsiung PL, Liu JTC, Crawford JM, Contag CH. (2007). Functional imaging of colonic mucosa with a fibered confocal microscope for real time *in vivo* pathology. *Clinical Gastroenterol Hepatol* 5: 1300-1305.
11. Zhu H, Dong H, Eksioğlu E, Hemming A, Chao M, Crawford JM, Nelson DR, Liu C. (2007). Hepatitis C virus triggers apoptosis of a newly developed hepatoma cell line through antiviral defense system. *Gastroenterology* 133: 1649-1659.
12. Butler SL, Dong H, Cardona D, Jia M, Zhen R, Crawford JM, Liu C. (2008) The antigen for Hep Par 1 antibody is a urea cycle enzyme carbamyl phosphate synthetase I. *Lab Invest* 88: 78-88.
13. Hsiung P, Hardy J, Friedland S, Soetikno R, Du CB, Wu A, Sahbaie P, Crawford JM, Lowe AW, Contag CH, Wang TD. (2008) Detection of colonic dysplasia *in vivo* using a targeted fluorescent septapeptide and confocal microendoscopy. *Nature Med* 14: 454-458. Erratum: *Nature Med* 14: 585.

Critical Reviews

14. Crawford JM, Tykocinski ML (2005). Pathology as the enabler of human research. *Lab Invest* 85: 1058-1064.
15. Crawford JM (2006). Evidence based interpretation of liver biopsies. *Lab Invest* 86: 326-334.
16. Arroyo M, Crawford JM (2006). Hepatic inherited metabolic syndromes. *Semin Diagn Pathol* 23: 182-189.
17. Crawford JM (2007). Original research in Pathology: Judgement or Evidence Based Medicine? *Lab Invest* 87: 104-114.
18. Wells WA, Barker PE, MacAulay C, Novelli M, Levenson RM, Crawford JM (2007). Validation of novel optical imaging technologies: the Pathologists' view. *J Biomed Optics*. 12: 051801 (PMID: 17994879).
19. Ketcham CM, Crawford JM (2007). The impact of review articles. *Lab Invest* 87: 1174-1185.
20. van Leeuwen DJ, Balabaud C, Crawford JM, Bioulac-Sage P, Dhillon AP. (2008). A clinical and histopathological perspective on evolving non-invasive and invasive alternatives for liver biopsy. *Clinical Gastroenterology Hepatology* 6: 491-496.
21. Crawford JM (2008). The origins of bladder cancer. *Lab Invest* 88 (electronic publication May 12, 2008).