

**375 Publications**

- Metabolism and Nutrition: 70 Publications
- Cancer: 75 Publications
- Health Care and Technology: 116 Publications
- Inflammation and Immunity: 76 Publications
- Neuroscience: 38 Publications

❖ Overview of Collaborations:

- Within the Pathology and Laboratory Medicine Department: 59 publications
- Within UC Davis: 194 publications
- Within the UC System: 39 publications
  - UC Los Angeles: 8 publications
  - UC Irvine: 4 publications
  - UC Berkeley: 15 publications
  - UC San Diego: 7 publications
  - UC San Francisco: 19 publications

## Metabolism and Nutrition: 70 Publications

- Zhan Q, Fang Y, He Y, Liu HX, Fang J, Wan Y-J (2012). Function Annotation of Hepatic Retinoid x Receptor  $\alpha$  Based on Genome-Wide DNA Binding and Transcriptome Profiling. PLoS ONE 7(11).
  - Impact Factor: 3.73
- Dhindsa S, Jialal I (2012). Bariatric surgery for the metabolic syndrome: Magic bullet or not? Metabolic Syndrome and Related Disorders 10(4): 241-24
  - Impact Factor: 1.652
- Shahab-Ferdows S, Anaya-Loyola MA, Vergara-Castañeda H, Rosado JL, Keyes WR, Newman JW, Miller JW, Allen LH (2012). Vitamin B-12 supplementation of rural mexican women changes biochemical vitamin B-12 status indicators but does not affect hematology or a bone turnover marker. Journal of Nutrition 142(10): 1881-1887.
  - Impact Factor: 4.196

**UC Davis Collaboration**
- Jialal I, Adams-Huet B, Kaur H, Chien A, Devaraj S (2012). Increased toll-like receptor activity in patients with metabolic syndrome.
  - Diabetes Care 35(4): 900-904. Impact Factor: 7.735
- Wei YM, Du YL, Nie YQ, Li YY, Wan Y-J (2012). Nur-related receptor 1 gene polymorphisms and alcohol dependence in Mexican Americans. World Journal of Gastroenterology 18(37):5276-5282.
  - Impact Factor: 2.433
- Dawson K, Zhao L, Adkins Y, Vemuri M, Rodriguez RL, Gregg JP, Kelley DS, Hwang DH (2012). Modulation of blood cell gene expression by DHA supplementation in hypertriglyceridemic men. Journal of Nutritional Biochemistry 23(6): 616-621.
  - Impact Factor: 4.552

**UC Davis Collaboration**
- Green R (2012). Nutritional Anemia. Laboratory Hematology Practice: 586-601.
- Devaraj S, Jialal I (2012). Dysfunctional endothelial progenitor cells in metabolic syndrome. Experimental Diabetes Research 2012.
  - Impact Factor: 1.893
- Swislocki AL, Siegel D, Jialal I (2012). Pharmacotherapy for the metabolic syndrome. Current Vascular Pharmacology 10(2): 187-205.
  - Impact Factor: 2.821
- Jeon CY, Haan MN, Cheng C, Clayton ER, Mayeda ER, Miller JW, Aiello AE. (2012). Helicobacter pylori infection is associated with an increased rate of diabetes. Diabetes Care 35(3): 520-525.
  - Impact Factor: 7.735

**UC System Collaboration**
- Jeon CY, Haan MN, Cheng C, Clayton E, Mayeda ER, Miller JW, Aiello A (2012). Response to comment on: Jeon et al. Helicobacter pylori infection is associated with an increased rate of diabetes. Diabetes Care 35(7): e56.
  - Impact Factor: 7.735
- Kaur H, Chien A, Jialal I (2012). Hyperglycemia induces toll like receptor 4 expression and activity in mouse mesangial cells: Relevance to diabetic nephropathy. American Journal of Physiology - Renal Physiology 303(8): F1145-F1150.
  - Impact Factor: 4.42
- Jialal I, Devaraj S, Adams-Huet B, Chen X, Kaur H. (2012). Increased cellular and circulating biomarkers of oxidative stress in nascent metabolic syndrome. Journal of Clinical Endocrinology and Metabolism 97(10): E1844-E1850.
  - Impact Factor: 6.43
- Yun JM, Chien A, Jialal I, Devaraj S (2012).

- Resveratrol up-regulates SIRT1 and inhibits cellular oxidative stress in the diabetic milieu: Mechanistic insights. *Journal of Nutritional Biochemistry* 23(7): 699-705.
  - Impact Factor: 4.552
- Dunn W, Zeng Z, O'Neil M, Zhao J, Whitener M, Wan Y-J, Mitchell EK, Handler M, Weinman (2012). The interaction of rs738409, obesity, and alcohol: A population-based autopsy study. *American Journal of Gastroenterology* 107(11): 1668-1674.
  - Impact Factor: 7.553
- Miller JW, B. R. Robert (2012). Pantothenic Acid. *Present Knowledge in Nutrition: Tenth Edition*: 375-390.
  - **UC Davis Collaboration**
- Jialal I, Kaur H (2012). The role of toll-like receptors in diabetes-induced inflammation: Implications for vascular complications. *Current Diabetes Reports* 12(2): 172-179.
  - Impact Factor: 3.165
- Jialal I (2012). The tenth anniversary of metabolic syndrome and related disorders. *Metabolic Syndrome and Related Disorders* 10(1): 1-2.
  - Impact Factor: 1.652
- Deveraj S, Syed B, Chien A, Jialal I (2012). Validation of an immunoassay for soluble Klotho protein: Decreased levels in diabetes and increased levels in chronic kidney disease. *American Journal of Clinical Pathology* 137(3): 479-485.
  - Impact Factor: 2.881
- Cao CY, Li YY, Zhou YJ, Nie YQ, Wan Y-J (2012). The C-681G polymorphism of the PPAR- $\gamma$  gene is associated with susceptibility to non-alcoholic fatty liver disease. *Tohoku Journal of Experimental Medicine* 227(4): 253-262.
- Green R (2012). Anemias beyond B12 and iron deficiency: the buzz about other B's, elementary, and nonelementary problems. *American Society of Hematology. Education Program* 2012: 492-498.
  - Impact Factor: 1.393
- Jialal I, Smith, G (2012). Managing the dyslipidemia of metabolic syndrome: Beyond statin therapy. *Metabolic Syndrome and Related Disorders* 10(3): 159-160.
  - Impact Factor: 1.652
- Jialal I, Devaraj S (2012). Circulating versus cellular biomarkers of inflammation in Type 1 diabetes: The superiority of C-reactive protein. *Cytokine* 60(1): 318-320.
  - Impact Factor: 2.518
- Eldridge A, Fan M, Woloschak G, Grdina DJ, Chromy BA, Li JJ (2012). Manganese superoxide dismutase interacts with a large scale of cellular and mitochondrial proteins in low-dose radiation-induced adaptive radioprotection. *Free Radical Biology and Medicine* 53(10): 1838-1847.
  - Impact Factor: 5.271
  - **UC Davis Collaboration**
- Jialal I, Devaraj S (2012). Antisense to protein kinase C-alpha and p47phox attenuates the pro-inflammatory effects of human C-reactive protein in macrophages of biobreeding diabetic rats. *Diabetes and Vascular Disease Research* 9(4): 3-15319
  - Impact Factor: 2.594
- Liu HX, Yaping F, Hu Y, Gonzalez, FJ, Jianwen F, Wan Y-J (2013). PPAR $\beta$  Regulates Liver Regeneration by Modulating Akt and E2f Signaling. *PLoS ONE* 8(6).
  - Impact Factor: 3.73
- Yaping F, Liu, HX, Zhang, N, Guo, GL, Wan Y-J, Fang, J. (2013). NURBS: A database of experimental and predicted nuclear receptor binding sites of mouse. *Bioinformatics* 29(2): 295-297.

- Impact Factor: 5.323
- Bremer AA, Jialal I (2013). Adipose tissue dysfunction in nascent metabolic syndrome.
  - Journal of Obesity 2013.
- Poland RE, Lesser IM, Wan Y-J, Gertsik L, Yao J, Raffel LJ, Lin KM, Myers HF (2013). Response to citalopram is not associated with SLC6A4 genotype in African-Americans and Caucasians with major depression. Life Sciences 92(20-21):967-970.
  - Impact Factor: 2.555                      **UC System Collaboration**
- Lemay DG, Hovey RC, Hartono SR, Hinde K, Smilowitz JT, Ventimiglia F, Schmidt KA, Lee JW, Islas-Trejo A, Silva PI, Korf I, Medrano JF, Barry PA, German JB (2013). Sequencing the transcriptome of milk production: Milk trumps mammary tissue. BMC Genomics 14(1).
  - Impact Factor: 4.397                      **UC Davis Collaboration**
- He Y, Gong L, Fang Y, Zhan Q, Liu HX, Lu Y, Guo GL, Lehman-McKeeman L, Fang J, Wan Y-J (2013). The role of retinoic acid in hepatic lipid homeostasis defined by genomic binding and transcriptome profiling. BMC Genomics 14(1).
  - Impact Factor: 4.397
- Ulrich CM, Miller JW (2013). Folate and health: present and future. Molecular Nutrition and Food Research 57(4): 561.
  - Impact Factor: 4.31
- Dasu MR, Jialal I (2013). Amelioration in wound healing in diabetic toll-like receptor-4 knockout mice. Journal of Diabetes and its Complications 27(5): 417-421.
  - Impact Factor: 2.056                      **UC Davis Collaboration**
- Green R (2013). Cobalamin supplements for infants: A shot in the cradle? American Journal of Clinical Nutrition 98(5): 1149-1150.
  - Impact Factor: 6.504
- Ulrich CM, Miller JW (2013). Editorial. Molecular Nutrition and Food Research 57(4): 561-561.
  - Impact Factor: 4.31
- Bettcher BM, Walsh CM, Watson C, Miller JW, Green R, Patel N, Miller BL, Neuhaus J, Yaffe K, Kramer JH (2013). Body Mass and White Matter Integrity: The Influence of Vascular and Inflammatory Markers. PLoS ONE 8(10).
  - Impact Factor: 3.73                      **Pathology Department and UC System Collaboration**
- Bailey RL, Durazo-Arvizu RA, Carmel R, Green R, Pfeiffer CM, Sempos CT, Carriquiry A, Yetley EA (2013). Modeling a methylmalonic acid-derived change point for serum vitamin B-12 for adults in NHANES. American Journal of Clinical Nutrition 98(2): 460-467.
  - Impact Factor: 6.504
- Polage CR (2013). One more reason to love mother's milk. Science Translational Medicine 5(187).
  - Impact Factor: 10.757
- Jialal I, Bajaj M (2013). DPP-4 inhibitors and atherosclerosis: The promise. Atherosclerosis 227(2): 224-225.
  - Impact Factor: 3.706
- Deveraj S, Y. Mesfin, A. B. Lidia, Jialal I, S. Sital, J. Qi (2013). Effects of aloe vera supplementation in subjects with prediabetes/metabolic syndrome. Metabolic Syndrome and Related Disorders 11(1): 35-40.
  - Impact Factor: 1.652
- Jialal I, Kaur H, Devaraj S (2013). Human C-reactive protein accentuates macrophage activity in biobreeding diabetic rats. Journal of Diabetes and its Complications 27(1): 23-28.

- Impact Factor: 2.056
  - Jialal I, Kaur H, Devaraj S, Smith, G (2013). Human C-reactive protein induces endothelial dysfunction in biobreeding diabetic rats. *Diabetes and Vascular Disease Research* 10(6): 550-553.
    - Impact Factor: 2.594
  - Jialal I, Devaraj S, Kaur H, Adams-Huet B, Bremer AA. (2013). Increased chemerin and decreased omentin-1 in both adipose tissue and plasma in nascent metabolic syndrome. *Journal of Clinical Endocrinology and Metabolism* 98(3): E514-E517.
    - Impact Factor: 6.43
  - Devaraj S, Chen X, Adams-Huet B, Jialal I (2013). Increased expression of FC-receptors on Monocytes in patients with nascent metabolic syndrome. *Journal of Clinical Endocrinology and Metabolism* 98(9): E1510-E1515.
    - Impact Factor: 6.43
  - Kaur H, Adams-Huet B, Smith, G, Jialal I (2013). Increased neutrophil count in nascent metabolic syndrome. *Metabolic Syndrome and Related Disorders* 11(2): 128-131
    - Impact Factor: 1.652
  - Siegel D, Devaraj S, Mitra A, Raychaudhuri SP, Raychaudhuri SK, Jialal I (2013). Inflammation, atherosclerosis, and psoriasis. *Clinical Reviews in Allergy and Immunology* 44(2): 194-204.
    - Impact Factor: 5.59
  - Polage CR (2013). METABOLISM: Microbes hold the key to metformin-induced longevity. *Science Translational Medicine* 5(181).
    - Impact Factor: 10.757
  - Devaraj S, Chien A, Rao B, Chen X, Jialal I (2013). Modulation of endothelial progenitor cell number and function with n-3 polyunsaturated fatty acids. *Atherosclerosis* 228(1): 94-97.
    - Impact Factor: 3.706
  - Smilowitz JT, Zivkovic AM, Wan Y-J, Watkins SM, Nording ML, Hammock BD, German JB (2013). Nutritional lipidomics: Molecular metabolism, analytics, and diagnostics. *Molecular Nutrition and Food Research* 57(8): 1319-1335.
    - Impact Factor: 4.31
- UC Davis Collaboration**
- Xavier MN, Winter MG, Spees AM, den Hartigh AB, Nguyen K, Roux CM, Silva TM, Atluri VL, Kerrinnes T, Keestra AM, Monack DM, Luciw PA, Eigenheer RA, Bäumlner AJ, Santos RL, Tsohis RM. (2013). PPAR $\gamma$ -mediated increase in glucose availability sustains chronic brucella abortus infection in alternatively activated macrophages. *Cell Host and Microbe* 14(2): 159-170.
    - Impact Factor: 2.609
- UC Davis Collaboration**
- Jialal I, Machha A, Devaraj S (2013). Small interfering-RNA to protein kinase C-delta reduces the proinflammatory effects of human c-reactive protein in biobreeding diabetic rats. *Hormone and Metabolic Research* 45(4): 326-328.
    - Impact Factor: 2.145
  - Sheely D, Jialal I (2013). Strategies to lower low-density lipoprotein cholesterol in metabolic syndrome: Averting the diabetes risk. *Metabolic Syndrome and Related Disorders* 11(3): 149-151.
    - Impact Factor: 1.652
  - Kumaresan PR, Devaraj S, Huang W, Lau EY, Liu R, Lam KS, Jialal I (2013). Synthesis and characterization of a novel inhibitor of c-reactive protein-mediated proinflammatory effects. *Metabolic Syndrome and Related Disorders* 11(3): 177-184.
    - Impact Factor: 1.652
- UC Davis and UC System Collaboration**

- Greibe E, Miller JW, Foutouhi SH, Green R, Nexo E (2013). Metformin increases liver accumulation of vitamin B12-An experimental study in rats. *Biochimie* 95(5): 1062-1065.
  - Impact Factor: 3.142 **Pathology Department Collaboration**
- Dhindsa S, Jialal I (2014). Potential anti-atherosclerotic effects of dipeptidyl peptidase-4 inhibitors in type 2 diabetes mellitus. *Current Diabetes Reports* 14(2):463.
  - Impact Factor: 3.165
- Jialal I, Kaur H, Devaraj S (2014). Toll-like receptor status in obesity and metabolic syndrome: A translational perspective. *Journal of Clinical Endocrinology and Metabolism* 99(1): 39-48.
  - Impact Factor: 6.43 **UC Davis Collaboration**
- Jian Z, Han H, Zhang T, Puglisi J, Izu LT, Shaw JA, Onofiok E, Erickson JR, Chen YJ, Horvath B, Shimkunas R, Xiao W, Li Y, Pan T, Chan JW, Banyasz T, Tardiff JC, Chiamvimonvat N, Bers DM, Lam KS, Chen-Izu Y. (2014). Mechano-chemotransduction via local nitric oxide signaling during cardiac contraction. *Science Signaling*, 7, ra27, 1-9
  - Impact Factor: 7.65 **UC Davis Collaboration**
- Hine B, Boggs I, Green R, Miller JW, Hovey RC, Humphrey R, Wheeler TT (2014). Transcobalamin derived from bovine milk stimulates apical uptake of vitamin B12 into human intestinal epithelial cells. *Journal of Cellular Biochemistry* [Epub ahead of print]
  - Impact Factor: 3.06 **Pathology Department Collaboration**
- Kunda KNH, Krishnan VV (2014). Mapping the amino acid properties of constituent nucleoporins onto the yeast nuclear pore complex. *Bioinformatics* 10, 94-97
  - Impact Factor: 0.50
- Bae S, Ulrich CM, Bailey LB, Malysheva O, Brown EC, Maneval DR, Neuhaus ML, Cheng TY, Miller JW, Zheng Y, Xiao L, Hou L, Song X, Buck K, Beresford SA, Caudill MA (2014). Impact of folic acid fortification on global DNA methylation and one-carbon biomarkers in the Women's Health Initiative Observational Study cohort. *Epigenetics* 9(3):396-403.
  - Impact Factor: 4.58
- Nie Y-Q, Cao J, Zhou Y-J, Liang C, Du Y-L, Wan Y-J, Li Y-Y. (2014) The effect of miRNA-122 in regulating fat deposition in a cell line model. *Journal of Cellular Biochemistry*, 115(5):839-46.
  - Impact Factor: 3.368
- Xiong A, Yang F, Fang L, Yang L, He Y, Wan Y-J, Xu Y, Qi M, Wang X, Yu K, Tsim KW, Wang Z. (2014) Metabolomic and genomic evidence for compromised bile acid homeostasis by senecionine, a hepatotoxic pyrrolizidine alkaloid. *Chemical Research in Toxicology*.
  - Impact Factor: 4.190
- Tsuei J, Chau T, Mills D, Wan Y-J (2014) Bile acid dysregulation, gut dysbiosis, and GI cancer. *Experimental Biology and Medicine*.
  - Impact Factor: 2.803 **UC Davis Collaboration**
- He Y, Tsuei J, Wan Y-J (2014). Biological functional annotation of retinoic acid alpha and beta in mouse liver based on genome-wide binding. *AJP Gastrointestinal and Liver Physiology*.
  - Impact Factor: 3.737
- Liu H-X, Ly I, Hu Y, Wan Y-J (2014). Retinoic acid regulates cell cycle genes and accelerates normal mouse liver regeneration. *Biochemical Pharmacology*, 91: 256- 265.
  - Impact Factor: 4.650

- Hu Y, Qi Z, Liu H-X, Chau T, Li Y, Wan Y-J (2014). Accelerated partial hepatectomy-induced liver cell proliferation is associated with liver injury in Nur77 knockout mice. American Journal of Pathology, In Press
  - Impact Factor: 4.602
- Zhan L, Liu H-X, Fang Y, He Y, Zhong X, Fang J, Wan Y-J, Guo G (2014). Genome-wide binding and transcriptome analysis of human farnesoid x receptor in primary human hepatocytes. PLoS One, In Press.
  - Impact Factor: 3.534
- Yang F, He Y, Liu H-X, Tsuei J, Jiang X, Yang L, Wang Z-T, Wan Y-J (2014). Retinoic acid regulates bile acid homeostasis. Biochemical Pharmacology, In Press.
  - Impact Factor: 4.650
- Wang Z, Fan M, Candas D, Zhang TQ, Qin L, Eldridge A, Wachsmann-Hogiu S, Ahmed KM, Chromy BA, Nantajit D, Duru N, He F, Chen M, Finkel T, Weinstein LS, Li JJ. (2014). Cyclin B1/Cdk1 coordinates mitochondrial respiration for cell-cycle G2/M progression. Developmental Cell 29(2):217-32
  - Impact Factor: 10.366 **Pathology Department Collaboration**
- Abbenhardt C, Miller JW, Song X, Brown EC, Cheng TY, Wener MH, Zheng Y, Toriola AT, Neuhouser ML, Beresford SA, Makar KW, Bailey LB, Maneval DR, Green R, Manson JE, Van Horn L, Ulrich CM (2014). Biomarkers of one-carbon metabolism are associated with biomarkers of inflammation in women. Journal of Nutrition 144(5):714-21.
  - Impact Factor: 4.2 **Pathology Department and UC Davis Collaboration**

## Cancer: 75 Publications

- D'Amato NC, Ostrander JH, Bowie ML, Sistrunk C, Borowsky AD, Cardiff RD, Bell K, Young LJ, Simin K, Bachelder RE, Delrow J, Dawson A, Yee LD, Mrózek K, Clay TM, Osada T, Seewaldt VL (2012). Evidence for Phenotypic Plasticity in Aggressive Triple-Negative Breast Cancer: Human Biology Is Recapitulated by a Novel Model System. PLoS ONE 7(9).
  - Impact Factor: 3.73 **UC Davis Collaboration**
- Weitz IC, Razavi P, Rochanda L, Zwicker J, Furie B, Manly D, Mackman N, Green R, Liebman HA (2012). Eculizumab therapy results in rapid and sustained decreases in markers of thrombin generation and inflammation in patients with PNH independent of its effects on hemolysis and microparticle formation. Thrombosis Research 130(3): 361-368.
  - Impact Factor: 3.133
- Han J, Chang H, Fontenay GV, Spellman PT, Borowsky AD, Parvin B (2012). Molecular bases of morphometric composition in Glioblastoma multiforme. Proceedings - International Symposium on Biomedical Imaging: 1631-1634.
  - **UC System Collaboration**
- Garbe JC, Pepin F, Pelissier FA, Sputova K, Fridriksdottir AJ, Guo DE, Villadsen R, Park M, Petersen OW, Borowsky AD, Stampfer MR, Labarge MA (2012). Accumulation of multipotent progenitors with a basal differentiation bias during aging of human mammary epithelia. Cancer Research 72(14): 3687-3701.
  - Impact Factor: 8.65 **UC System Collaboration**
- Rebecca S, Song JY, Chen M (2012). Extramedullary hematopoiesis associated with myeloproliferative neoplasm manifesting as pleural effusion: Case report and review of literature. Journal of Hematopathology 5(4): 341-347.
  - **Pathology Department Collaboration**

- Zimmer CC, Shi L, Shih YP, Li J, Jin LW, Lo SH, Liu GY (2012). F-Actin reassembly during focal adhesion impacts single cell mechanics and nanoscale membrane structure. *Science China Chemistry* 55(9): 1922-1930.
  - Impact Factor: 1.327 **UC Davis Collaboration**
- Davis PA, Vasu VT, Gohil K, Kim H, Khan IH, Cross CE, Yokoyama W (2012). A high-fat diet containing whole walnuts (*Juglans regia*) reduces tumour size and growth along with plasma insulin-like growth factor 1 in the transgenic adenocarcinoma of the mouse prostate model. *British Journal of Nutrition* 108(10): 1764-1772.
  - Impact Factor: 3.302 **UC Davis Collaboration**
- Liu XY, H WL, Qian QJ, Zou EG, Zhang ZL, Chu L, Zhang KJ, Zhao LL, Zhang YH, Qiu SB, Zhang, ZW, Xiao T, Fan JK, Wei N, Liu XR, Cao X, Gu JF, Wei RC, Ding M, Wu S(2012). Cancer Targeting Gene-Viro-Therapy and Its Promising Future: A Trend in Both Cancer Gene Therapy and Cancer Virotherapy. *Recent Advances in Cancer Research and Therapy*: 33-83.
  - **UC Davis Collaboration**
- Shah D, Borys D, Martinez SR, Li CS, Tamurian RM, Bold RJ, Monjazez A, Canter RJ (2012). Complete pathologic response to neoadjuvant radiotherapy is predictive of oncological outcome in patients with soft tissue sarcoma. *Anticancer Research* 32(9): 3911-3916.
  - Impact Factor: 1.713 **UC Davis Collaboration**
- Dusek RL, Bascom JL, Vogel H, Baron S, Borowsky AD, Bissell MJ, Attardi LD (2012). Deficiency of the p53/p63 target Perp alters mammary gland homeostasis and promotes cancer. *Breast Cancer Research* 14(2).
  - Impact Factor: 5.872 **UC System Collaboration**
- Yang Y, Batth SS, Chen M, Borys D, Phan H (2012). Enteropathy-Associated T Cell Lymphoma Presenting with Acute Abdominal Syndrome: A Case Report and Review of Literature. *Journal of Gastrointestinal Surgery* 16(7): 1446-1449.
  - Impact Factor: 2.361 **Pathology Department and UC Davis Collaboration**
- McCusker ME, Cress RD, Allen M, Fernandez-Ami A, Gandour-Edwards R (2012). Feasibility of linking population-based cancer registries and cancer center biorepositories. *Biopreservation and Biobanking* 10(5): 416-420.
  - Impact Factor: 1.5 **UC Davis Collaboration**
- Duru N, Fan M, Candas D, Mena C, Liu HC, Nantajit D, Wen Y, Xiao K, Eldridge A, Chromy BA, Li S, Spitz DR, Lam KS, Wicha MS, Li JJ (2012). HER2-associated radioresistance of breast cancer stem cells isolated from HER2-negative breast cancer cells. *Clinical Cancer Research* 18(24): 6634-6647.
  - Impact Factor: 7.837 **UC Davis and UC System Collaboration**
- Tseng W, Martinez SR, Tamurian RM, Borys D, Canter RJ (2012). Histologic type predicts survival in patients with retroperitoneal soft tissue sarcoma. *Journal of Surgical Research* 172(1): 123-130.
  - Impact Factor: 2.018 **UC Davis Collaboration**
- Sun Y, Xie H, Liu J, Lam M, Chaudhari AJ, Zhou F, Bec J, Yankelevich DR, Dobbie A, Tinling SL, Gandour-Edwards R, Monsky WL, Farwell DG, Marcu L. (2012). In vivo validation of a bimodal technique combining time-resolved fluorescence spectroscopy and ultrasonic backscatter microscopy for diagnosis of oral carcinoma. *Journal of Biomedical Optics* 17(11).
  - Impact Factor: 2.881 **UC Davis Collaboration**
- Chen M, Agrawal R, Nasseri-Nik N, Sloman A, Weiss LM (2012). Indeterminate cell tumor of the spleen. *Human Pathology* 43(2): 307-311.
  - Impact Factor: 2.843

- Vinall RL, Chen JQ, Hubbard NE, Sulaimon SS, Shen MM, Devere White RW, Borowsky AD (2012). Initiation of prostate cancer in mice by Tp53 R270H : Evidence for an alternative molecular progression. *DMM Disease Models and Mechanisms* 5(6): 914-920.
  - Impact Factor: 4.959 **UC Davis Collaboration**
- You Z, Ge D, Liu S, Zhang Q, Borowsky AD, Melamed J (2012). Interleukin-17 induces expression of chemokines and cytokines in prostatic epithelial cells but does not stimulate cell growth in vitro. *International Journal of Medical and Biological Frontiers*. 18 (8): 629-644
- Quoc VL, Han J, Spellman P, Borowsky AD, Parvin B (2012). Learning invariant features of tumor signatures. *Proceedings - International Symposium on Biomedical Imaging*: 302-305.
  - **UC System Collaboration**
- Dariusz B, Canter RJ (2012). Mesenchymal chondrosarcoma of the chest wall. *Pathology Case Reviews* 17(1): 10-13.
  - Impact Factor: 0.13 **UC Davis Collaboration**
- Zhang YH, Toy KA, Kleer CG (2012). Metaplastic breast carcinomas are enriched in markers of tumor-initiating cells and epithelial to mesenchymal transition. *Modern Pathology* 25(2): 178-184.
  - Impact Factor: 5.253
- Song, JY, Dwyre DM (2012). Metastatic adenocarcinoma involving the bone marrow. *Blood* 120(16): 3170.
  - Impact Factor: 9.06 **Pathology Department Collaboration**
- Eberle FC, Song JY, Xi L, Raffeld M, Harris NL, Wilson WH, Pittaluga S, Jaffe ES (2012). Nodal involvement by cutaneous CD30-positive T-cell lymphoma mimicking classical hodgkin lymphoma. *American Journal of Surgical Pathology* 36(5): 716-725.
  - Impact Factor: 4.522
- Strong EB, Tate JR, Borys D (2012). Osteoid osteoma of the ethmoid sinus: A rare diagnosis. *Ear, Nose and Throat Journal* 91(5): E19.
  - Impact Factor: 1.03 **UC Davis Collaboration**
- Chen M, Van Ness M, Guo Y, Gregg JP(2012). Molecular pathology of pancreatic neuroendocrine tumors. *Journal of gastrointestinal oncology* 3(3):182-8.
  - **Pathology Department Collaboration**
- Borys D, Canter RJ, Hoch B, Martinez SR, Tamurian RM, Murphy B, Bishop JW, Horvai A\_(2012). P16 expression predicts necrotic response among patients with osteosarcoma receiving neoadjuvant chemotherapy. *Human Pathology* 43(11): 1948-1954.
  - Impact Factor: 2.843 **Pathology Department and UC Davis Collaboration**
- Chew HK, Somlo G, Mack PC, Gitlitz B, Gandour-Edwards R, Christensen S, Linden H, Solis LJ, Yang X, Davies AM (2012). Phase I study of continuous and intermittent schedules of lapatinib in combination with vinorelbine in solid tumors. *Annals of Oncology* 23(4): 1023-1029.
  - Impact Factor: 7.384 **UC Davis Collaboration**
- Smith CA, Martinez SR, Tseng WH, Tamurian RM, Bold RJ, Borys D, Canter RJ (2012). Predicting survival for well-differentiated liposarcoma: The importance of tumor location. *Journal of Surgical Research* 175(1): 12-17.
  - Impact Factor: 2.018 **Pathology Department and UC Davis Collaboration**
- Smith ZJ, Huser TR, Wachsmann-Hogiu S (2012). Raman scattering in pathology. *Analytical Cellular Pathology* 35(3): 145-163.
  - Impact Factor: 1.771 **UC Davis Collaboration**

- Horvai AE, Roy R, Borys D, O'Donnell RJ (2012). Regulators of skeletal development: A cluster analysis of 206 bone tumors reveals diagnostically useful markers. *Modern Pathology* 25(11): 1452-1461.
  - Impact Factor: 5.253 **UC System Collaboration**
- Borowsky AD, Bandhuvula P, Kumar A, Yoshinaga Y, Nefedov M, Fong LG, Zhang M, Baridon B, Dillard L, de Jong P, Young SG, West DB, Saba JD (2012). Sphingosine-1-phosphate lyase expression in embryonic and adult murine tissues. *Journal of Lipid Research* 53(9): 1920-1931.
  - Impact Factor: 4.386 **UC System Collaboration**
- Sonu R, Gregg JP, Chen M (2012). Splenic marginal zone lymphoma with t(8;14)(q24.1;q32)/MYC rearrangement. *Journal of Hematopathology* 5(3): 141-147.
  - **Pathology Department Collaboration**
- Afify A, Das S, Chen M (2012). Two smalls in one: Coincident small cell carcinoma and small lymphocytic lymphoma in a lymph node diagnosed by fine-needle aspiration biopsy. *CytoJournal* 9(1).
  - Impact Factor: 1.2 **Pathology Department Collaboration**
- Nguyen HV, Aminololama-Shakeri S, Zhang YH (2013) Initial Presentation and Recurrence of Metastatic Rhabdomyosarcoma as Breast Masses. *Radiology Case Reports*. Vol 8, No 4
- Chang H, Han J, Borowsky AD, Loss L, Gray JW, Spellman PT, Parvin B (2013). Invariant delineation of nuclear architecture in glioblastoma multiforme for clinical and molecular association. *IEEE Transactions on Medical Imaging* 32(4): 670-682.
  - Impact Factor: 4.027 **UC Davis and UC System Collaboration**
- Funamura JL, Aouad RK, Ramsamooj R, Donald PJ (2013). Salivary duct carcinoma of the accessory parotid gland. *Journal of Otolaryngology - Head & Neck Surgery* 149(2):347-8.
  - Impact Factor: 0.084 **UC Davis Collaboration**
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**UC Davis and UC System Collaboration**

**UC Davis Collaboration**

**UC Davis Collaboration**

**UC Davis Collaboration**

**UC Davis Collaboration**

**UC Davis Collaboration**

**UC Davis Collaboration**

**UC Davis Collaboration**

**Pathology and UC Davis Collaboration**

**UC Davis and UC System Collaboration**

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- Schie IW, Alber L, Gryshuk AL, Chan JW (2014). Investigating drug induced changes in single, living lymphocytes based on Raman micro-spectroscopy. *Analyst* 139(11):2726-2733.
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  - Impact Factor: 3.932 **UC Davis and UC System Collaboration**
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- Bautista-Quach MA, Ake CD, Chen M, Wang J (2012). Gastrointestinal lymphomas: Morphology, immunophenotype and molecular features. *Journal of Gastrointest Oncology* 3(3):209-25.
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○ **UC Davis Collaboration**

- Campbell M, Chang PC, Huerta S, Izumiya C, Davis R, Tepper CG, Kim KY, Shevchenko B, Wang DH, Jung JU, Luciw PA, Kung HJ, Izumiya Y (2012). Protein arginine methyltransferase 1-directed methylation of Kaposi sarcoma-associated herpesvirus latency-associated nuclear antigen. *Journal of Biological Chemistry* 287(8):5806-18.

○ Impact Factor: 4.561

**UC Davis Collaboration**

- Schunter M, Chu H, Hayes TL, McConnell D, Crawford SS, Luciw PA, Bengmark S, Asmuth DM, Brown J, Bevins CL, Shacklett BL, Critchfield JW (2012). Randomized pilot trial of a synbiotic dietary supplement in chronic HIV-1 infection. *BMC Complement and Alternative Medicine* 12:84.

○ Impact Factor: 1.88

**UC Davis Collaboration**

- Li J, Feiz V, Vieira AC, Davis-Boozer D, Polage CR (2012). The safety and efficacy of linezolid and daptomycin as an additive in optisol-GS against methicillin-resistant *Staphylococcus aureus*. *Cornea* 31(5): 551-558.

○ Impact Factor: 1.746

**UC Davis Collaboration**

- McDonnell SJ, Sparger EE, Luciw PA, Murphy BG (2012). Transcriptional regulation of latent feline immunodeficiency virus in peripheral CD4+ T-lymphocytes. *Viruses* 4(5): 878-888.

○ Impact Factor: 2.509

**UC Davis Collaboration**

- dela Pena MG, Strelow L, Barry PA, Abel K (2012). Use of specific-pathogen-free (SPF) rhesus macaques to better model oral pediatric cytomegalovirus infection. *Journal of Medical Primatology* 41(3): 225-229.

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**UC Davis Collaboration**

- Campbell M, Chang PC, Huerta S, Izumiya C, Davis R, Tepper CG, Kim KY, Shevchenko B, Wang DH, Jung JU, Luciw PA, Kung HJ, Izumiya Y (2012). Protein arginine methyltransferase 1-directed methylation of Kaposi sarcoma-associated herpesvirus latency-associated nuclear antigen. *Journal of Biological Chemistry* 287(8): 5806-5818.

○ Impact Factor: 4.651

**UC Davis Collaboration**

- Malouli D, Nakayasu ES, Viswanathan K, Camp DG 2nd, Chang WL, Barry PA, Smith RD, Früh K (2012). Reevaluation of the coding potential and proteomic analysis of the BAC-derived rhesus cytomegalovirus strain 68-1. *Journal of Virology* 86(17): 8959-8973.

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**UC Davis Collaboration**

- Chan K, Awan M, Barthold SW, Parveen N (2012). Comparative molecular analyses of *Borrelia burgdorferi sensu stricto* strains B31 and N40D10/E9 and determination of their pathogenicity. *BMC Microbiology* 12.

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- Awan IN, Rizvi SKA, Saqib MAN, Shahzad MI, Khattak AA, Tahseen S, Khan IH, Ravindran R, Luciw PA, Khanum A (2012). Expression and Purification of Mycobacterium tuberculosis Antigens for Use in Immunoassays for Serodetection of *M. tuberculosis* Infection in TB Patients. *Pakistan Journal of Zoology* 44(1): 217-226.

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**Pathology Department and UC Davis Collaboration**

- Schunter M, Chu H, Hayes TL, McConnell D, Crawford SS, Luciw PA, Bengmark S, Asmuth DM, Brown J, Bevins CL, Shacklett BL, Critchfield JW (2012). Randomized pilot trial of a synbiotic dietary supplement in chronic HIV-1 infection. *BMC Complementary and Alternative Medicine* 12.

○ Impact Factor: 2.082

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- Yang F, Xu Y, Xiong A, He Y, Yang L, Wan Y-J, Wang Z (2012). Evaluation of the protective effect of Rhei Radix et Rhizoma against  $\alpha$ -naphthylisothiocyanate induced liver injury based on metabolic profile of bile acids. *Journal of Ethnopharmacology* 144(3): 599-604.
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- Kusters A, Tian F, Wan Y-J, Karpen SJ (2012). Gene-specific alterations of hepatic gene expression by ligand activation or hepatocyte-selective inhibition of retinoid X receptor- $\alpha$  signalling during inflammation. *Liver International* 32(2): 321-330.
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  - Impact Factor: 9.374 **UC Davis Collaboration**
- Polage CR, Chin DL, Leslie JL, Tang J, Cohen SH, Solnick JV (2012). Outcomes in patients tested for Clostridium difficile toxins. *Diagnostic Microbiology and Infectious Disease* 74(4): 369-373.
  - Impact Factor: 2.26 **UC Davis Collaboration**
- Whitcomb DC, LaRusch J, Krasinskas AM, Klei L, Smith JP, Brand RE, Neoptolemos JP, Lerch MM, Tector M, Sandhu BS, Guda NM, Orlichenko L; Alzheimer's Disease Genetics Consortium, Alkaade S, Amann ST, Anderson MA, Baillie J, Banks PA, Conwell D, Coté GA, Cotton PB, DiSario J, Farrer LA, Forsmark CE, Johnstone M, Gardner TB, Gelrud A, Greenhalf W, Haines JL, Hartman DJ, Hawes RA, Lawrence C, Lewis M, Mayerle J, Miller JW, Mayeux R, Melhem NM, Money ME, Muniraj T, Papachristou GI, Pericak-Vance MA, Romagnuolo J, Schellenberg GD, Sherman S, Simon P, Singh VP, Slivka A, Stolz D, Sutton R, Weiss FU, Wilcox CM, Zarnescu NO, Wisniewski SR, O'Connell MR, Kienholz ML, Roeder K, Barmada MM, Yadav D, Devlin B (2012). Common genetic variants in the CLDN2 and PRSS1-PRSS2 loci alter risk for alcohol-related and sporadic pancreatitis. *Nature Genetics* 44(12): 1349-1354.
  - Impact Factor: 35.209 **Pathology Department, UC Davis, and UC System Collaboration**
- Jensen K, Ranganathan UD, Van Rompay KK, Canfield DR, Khan IH, Ravindran R, Luciw PA, Jacobs WR Jr, Fennelly G, Larsen MH, Abel K (2012). A recombinant attenuated Mycobacterium tuberculosis vaccine strain is safe in immunosuppressed simian immunodeficiency virus-infected infant macaques. *Clinical and Vaccine Immunology* 19(8): 1170-1181.
  - Impact Factor: 2.598 **Pathology Department and UC Davis Collaboration**
- Sharon VR, Konia TH, Barr KL, Fung MA (2012). Assessment of the 'no eosinophils' rule: Are eosinophils truly absent in pityriasis lichenoides, connective tissue disease, and graft-vs.-host disease? *Journal of Cutaneous Pathology* 39(4): 413-418.
  - Impact Factor: 1.766 **UC Davis Collaboration**
- Chromy BA, Fodor IK, Montgomery NK, Luciw PA, McCutchen-Maloney SL (2012). Cluster analysis of host cytokine responses to biodefense pathogens in a whole blood ex vivo exposure model (WEEM). *BMC Microbiology* 12.
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  - Impact Factor: 5.52 **UC Davis Collaboration**
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- Murphy B, Vapniarsky N, Hillman C, Castillo D, McDonnel S, Moore P, Luciw PA, Sparger EE (2012). FIV establishes a latent infection in feline peripheral blood CD4+ T lymphocytes in vivo during the asymptomatic phase of infection. *Retrovirology* 9.
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- Sun K, Hsiao HH, Li M, Ames E, Bouchlaka M, Welniak LA, Hagino T, Jagdeo J, Pai CC, Chen M, Blazar BR, Abedi M, Murphy WJ (2012). IFN- $\gamma$  receptor-deficient donor T cells mediate protection from graft-versus-host disease and preserve graft-versus-tumor responses after allogeneic bone marrow transplantation. *Journal of Immunology* 189(4): 2033-2042.
  - Impact Factor: 5.52 **UC Davis Collaboration**
- Loh E, Maverakis E, Konia T, Noll E (2012). Lepromatous leprosy in a 26-year-old man with concurrent disseminated tuberculosis. *Archives of Dermatology* 148(9): 1096-1097.
  - Impact Factor: 4.792 **UC Davis Collaboration**
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  - Impact Factor: 9.06 **UC Davis Collaboration**
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  - Impact Factor: 5.076 **UC Davis Collaboration**
- Embers M, Barthold SW, Borda JT, Bowers L, Doyle L, Hodzic E, Jacobs MB, Hasenkampf N, Martin DS, Narasimhan S, Phillippi-Falkenstein KM, Purcell JE, Ratterree M, Philipp M (2012). Persistence of borrelia burgdorferi in rhesus macaques following antibiotic treatment of disseminated infection. *PLoS ONE* 7(1).
  - Impact Factor: 3.73 **UC Davis Collaboration**
- McDonnel SJ, Sparger EE, Luciw PA, Murphy BG (2012). Pharmacologic reactivation of latent feline immunodeficiency virus ex vivo in peripheral CD4+ T-lymphocytes. *Virus Research* 170(1-2): 174-179.
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