

PEER-REVIEWED ARTICLES (2013-2018)

2013

Dai M, **Al-Odaini AA**, Fils-Aimé N, Villatoro MA, Guo J, Arakelian A, Rabbani SA, Ali S, Lebrun J. Cyclin D1 cooperates with p21 to regulate TGF β -mediated breast cancer cell migration and tumor local invasion. *Breast Cancer Res.* 2013 Jun 20; 15(3):R49. doi: 10.1186/bcr3441. PMID: 23786849.

Dastani Z, LiR, Richards JB.

Genetic regulation of vitamin D levels. *Calcified Tissue International*. 2013 Feb; 92(2):106-175.

Vimaleswaran KS, Berry DJ, Lu C, Tikkanen E, Pilz S, Hiraki LT, Cooper JD, **Dastani Z**, et al. Causal Relationship between Obesity and Vitamin D Status: Bi-Directional Mendelian Randomization Analysis of Multiple Cohorts. *PLoS Medicine*. 2013 February; 10(2): e1001383.

Oualkacha K, **Dastani Z**, Li R, Cingolani PE, Spector TD, Hammond CJ, Richards JB, Ciampi A, Greenwood CM. "Adjusted sequence kernel association test for rare variants controlling for cryptic and family relatedness." *Genetic Epidemiology*. 2013 May; 37(4):366-76.

Dastani Z, Johnson T, Kronenberg F, Nelson CP, Assimes TL, März W; CARDIoGRAM Consortium; ADIPOGen Consortium, Richards JB.

The shared allelic architecture of adiponectin levels and coronary artery disease. *Atherosclerosis*. 2013 Jul; 229(1):145-8.

Yu OH, Foulkes WD, **Dastani Z**, Martin RM, Eeles R.

PRACTICAL Consortium; CRUK GWAS Investigators, Richards JB. An assessment of the shared allelic architecture between type diabetes and prostate cancer. *Cancer Epidemiology Biomarkers Prevention*. 2013 Aug; 22(8):1473-5.

Yaghoobkar H, LaminaC, Scott RA, Zari **Dastani Z** et al

Mendelian Randomisation Studies Do Not Support a Causal Role for Reduced Circulating Adiponectin Levels in Insulin Resistance and Type 2 Diabetes. *Diabetes*. 2013 Oct; 62(10):3589-98.

Florianova L, Orain M, Têtu B, Doillon CJ.

Histological study of stem-like cells in human colon adenocarcinoma at different stages of the disease. *Biotech Histochem*. 2013 Jul; 88(5):222-34. doi: 10.3109/10520295.2012.758310. Epub 2013 Jan 21. PMID: 23331188

Dea Shahinas, Christina Thornton, **Gurdip Tamber**, Gitanjali Arya, Andrew Wong, Frances Jamieson, Jennifer Ma, David Alexander, Donald Low, and Dylan Pillai. Comparative genomic analyses of *Streptococcus pseudopneumoniae* provides insight into virulence and commensalism dynamics.

June 19th, 2013 <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0065670>

2014

Bah I, Goudie E, Khereba M, Ferraro P, Duranteau A, Martin J, Thiffault V, Liberman M.

Pleural ultrasound as an adjunct to physical examination in the preoperative evaluation of lung cancer patients. *Eur J Cardiothorac Surg*. 2014 May; 45(5):88/8-93. doi: 10.1093/ejcts/ezt471. Epub 2013 Sep 23. PubMed PMID: 24062350.

Dastani Z, Berger C, angsetmo L, Fu L, Wong BYL, Malik S, Goltzman D, Cole D, Richards JR." In healthy adults, biological activity of vitamin D, as assessed by serum PTH, is largely independent of DBP concentrations" Journal of Bone and Mineral research, 2014 Feb; 29(2):494-9.

Kraja AT, Chasman DI, North KE, Dastani Z et al.

Pleiotropic genes for metabolic syndrome and inflammation. Molecular Genetics and Metabolism, 2014 Aug; 112(4):317-38.

Leong A, Rehman W, Dastani Z, Greenwood C, Timpson N, Langsetmo L, Berger C; METASTROKE, Fu L, Wong BY, Malik S, Malik R, Hanley DA, Cole DE, Goltzman D, Richards JB.

The causal effect of vitamin D binding protein (DBP) levels on calcemic and cardiometabolic diseases: a Mendelian randomization study. PLoS Medicine. 2014 Oct 28; 11(10):e1001751.

Yaghoodeh H, Scott RA, White CC, Dastani Z et al.

Genetic evidence for a normal-weight "metabolically obese" phenotype linking insulin resistance, hypertension, coronary artery disease, and type 2 diabetes" Diabetes. 2014 Dec; 63(12):4369-77.

Borchers CH, Kast J, Foster LJ, Siu KW, Overall CM, Binkowski TA, Hildebrand WH, Scherer A, Mansoor M, Keown PA
The Human Proteome Organization Chromosome 6 Consortium: Integrating chromosome-centric and biology/disease driven strategies. J Proteomics. 2014 Apr 4;100:60-7.

López A, Chabot K, Rabasa-Lhoret R, Gauthier M-S. Metabolic effects of bariatric surgery in diabetic and non-diabetic obese patients: Preliminary results. CJD. 2014; 38(2):151

Bin X, Youssef S et al.

Inflammatory myofibroblastic tumor of the Aortic valves causing sudden cardiac death , A Case Report and Review of the Literature Pediatric and developmental pathology, Volume 17, Issue 3 (May/June 2014)

Sun C, Zargham R, Shao Q, Gui X, Marcus V, Lazaris A, Salman A, Metrakos P, Qu X, Gao Z.

Association of CD98, integrin β1, integrin β3 and Fak with the progression and liver metastases of colorectal cancer. Pathol Res Pract. 2014 Oct; 210(10):668-74. doi: 10.1016/j.prp.2014.06.016. Epub 2014 Jun 27. PMID: 25041835

2015

Rivera B, Castellsagué E, Bah I, van Kempen LC, Foulkes WD.

Biallelic NTHL1 Mutations in a Woman with Multiple Primary Tumors. N Engl J Med. 2015 Nov 12; 373(20):1985-6. doi: 10.1056/NEJMc1506878. Erratum in: N Engl J Med. 2015 Dec 17; 373(25):e33. PubMed PMID: 26559593.

Xu Y, Stavrides-Eid M, Baig A, Cardoso M, Rho YS, Shams WM, Mamo A, Kavan P. Quantifying treatment delays in adolescents and young adults with cancer at McGill University. Curr Oncol. 2015 Dec;22(6):e470-7. doi: 10.3747/co.22.2724

Aline Mamo, Ayesha Baig, Young soo Rho, Tomas Kavan, Jacob C. Easaw, Gerald Batist and Petr Kavan. Impact of dose intensity of capox and mFOLFOX6 on survival of stage III colorectal cancer patients: A retrospective analysis at two Canadian institutions between 2006-2013. Journal of Clinical Oncology 2015, 33, no. 15. DOI: 10.1200/jco.2015.33.15_suppl.e14664

Shungin D, Winkler TW, Croteau-Chonka DC, ...; ADIPOGen Consortium Dastani Z et al.

New genetic loci link adipose and insulin biology to body fat distribution. Nature. 2015 Feb 12; 518(7538):187-96

Locke AE, Kahali B, Berndt SI, ..., **Dastani Z**, et al.

Genetic studies of body 4 mass index yield new insights for obesity biology. *Nature*. 2015 Feb 12; 518(7538):197-206

Peters S, **Dastani Z**, Chalk C

A Case of Intravascular large B-Cell lymphoma (IVLBCL) presenting as lumbosacral polyradiculopathy. *Canadian Journal of Neurological Sciences / Journal Canadien des Sciences Neurologiques*, 42(SupplementS1), S28-S28.

doi:doi:10.1017/cjn.2015.136

Brimo F, **Dauphin-Pierre S**, Aprikian A, Kassouf W, Tanguay S, Ajise O, Dongo C, Bégin LR. Inverted urothelial carcinoma: a series of 12 cases with a wide morphologic spectrum overlapping with the large nested variant. *Hum Pathol*. 2015 Oct; 46(10):1506-13.

Carlisle B, **Demko N**, Freeman G, Hakala A, MacKinnon N, Ramsay T, Hey S, London AJ, Kimmelman J. Benefit, Risk, and Outcomes in Drug Development: A Systematic Review of Sunitinib. *J Natl Cancer Inst*. 2015 Nov 7;108(1). pii: djv292. doi: 10.1093/jnci/djv292. Print 2016 Jan. Review. PMID: 26547927

Henderson VC, **Demko N**, Hakala A, MacKinnon N, Federico CA, Fergusson D, Kimmelman J. A meta-analysis of threats to valid clinical inference in preclinical research of sunitinib. *eLife*. 2015 Oct 13;4:e08351. doi: 10.7554/eLife.08351. PMID: 26460544

Florianova L, Xu B, Traboulsi S, Elmansi H, Tanguay S, Aprikian A, Kassouf W, Brimo F.

Evaluation of RNA binding motif protein 3 expression in urothelial carcinoma of the bladder; an immunohistochemical study. *World J Surg Oncol* (2015) 13:317-324.

Blouin MJ, Bazile M, Birman E, Zakikhani M, **Florianova L**, Aleynikova O, Powell DR, Pollak M.

Germ line knockout of IGFBP-3 reveals influences of the gene on mammary gland neoplasia. *Breast. Cancer Res Treat* (2015) 149:577–585.

Leduc V, De Beaumont L, Thérioux L, Dea D, Aisen P, Petersen R; Alzheimer's disease neuroimaging initiative, Dufour R and Poirier J. HMGCR is a genetic modifier for risk, age of onset and MCI conversion to Alzheimer's disease in a three cohorts study. *Mol Psychiatry*. 2015, 20 (7): 867-7

Thai DV, Gao ZH. Report from the Canadian Association of Pathologists Annual Meeting: Markers Of Recurrence And Response. *Oncology Exchange*. 2015 Nov; 14(4):46-47.

2016

Shakir SI, Souhami L, Petrecca K, Mansure JJ, Khushdeep S, Panet-Raymond V, Shenouda G, **Al Odaini A**, Abdulkarim BS, Guiot MC.

Analysis of Prognostic Factors for Local Recurrence in Atypical Meningiomas.

Int J Radiat Oncol Biol Phys. 2016 Oct 1; 96(2S):E78. doi: 10.1016/j.ijrobp.2016.06.787.

de Kock L, **Bah I**, Brunet J, Druker H, Astigarraga I, Bosch-Barrera J, Soglio DB, Nguyen VH, Malkin D, Priest JR, Foulkes WD.

Somatic DICER1 mutations in adult-onset pulmonary blastoma. *Eur Respir J*. 2016 Jun;47(6):1879-82. doi: 10.1183/13993003.00172-2016. Epub 2016 Apr 28.

de Kock L, **Bah I**, Wu Y, Xie M, Priest JR, Foulkes WD.

Germline and Somatic DICER1 Mutations in a Well-Differentiated Fetal Adenocarcinoma of the Lung. *J Thorac Oncol*. 2016 Mar; 11(3):e31-3. doi: 10.1016/j.jtho.2015.09.012. Epub 2015 Dec 10.

PMID: 268861662.

de Kock L, **Bah I**, Revil T, Bérubé P, Wu MK, Sabbaghian N, Priest JR, Ragoussis J, Foulkes WD. Deep Sequencing Reveals Spatially Distributed Distinct Hot Spot Mutations in DICER1-Related Multinodular Goiter. *J Clin Endocrinol Metab*. 2016 Oct; 101(10):3637-3645. PMID: 27459524

Wu X, **Baig A**, Kasymjanova G, Kafi K, Holcroft C, Mekouar H, Carboneau A, Bahoric B, Sultanem K, Muanza T. (December 09, 2016) Pattern of Local Recurrence and Distant Metastasis in Breast Cancer By Molecular Subtype. *Cureus* 8(12): e924. doi:10.7759/cureus.924

Mamo A, **Baig A**, Azam M, Rho YS, Sahebjam S, Muanza T, Owen S, Petrecca K, Guiot MC, Al-Shami J, Sharma R, Kavan P. Progression pattern and adverse events with bevacizumab in glioblastoma. *Curr Oncol*. 2016 Oct;23(5):e468-e471

A. Mamo, J. Easaw, F. Ibnshamsah, **A. Baig**, Y.S. Rho, T. Kavan, G. Batist and P. Kavan. Retrospective analysis of the effect of CAPOX and mFOLFOX6 dose intensity on survival in colorectal patients in the adjuvant setting. *Curr Oncol*. 2016 Jun; 23(3): 171–177. doi: 10.3747/co.23.3059

Kilpeläinen TO, Carli JF, Skowronski AA, ..., **Dastani Z** et al.

"Genome-wide metaanalysis uncovers novel loci influencing circulating leptin levels." *Nature Communication*. 2016 Feb 1; 7: 10494. doi: 10.1038/ncomms10494.

Lu Y, Day FR, Gustafsson S, ..., **Dastani Z**, ..., Loos RJ. "New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk." *Nature Communication*. 2016 Feb 1;7:10495. doi: 10.1038/ncomms10495.

Dastani Z, Krappmann K, Panasci L, Kronenwett R, Florea A, Spatz A, C. van Kempen L: "Binary reclassification of Oncotype DX intermediate risk patients into low or high risk by Endopredict: A retrospective analysis", in preparation.

Dastani Z, Gao Z.

"Recent trends in pathology and patient care, Invited commentary". *2016 Oncology Exchange* 15(4): in press.

Yancu D, Blouin MJ, Birman E, **Florianova L**, Aleynikova O, Zakikhani M, VanderMeulen H, Seidman E, Pollak M. Insulin-like growth factor-3 knockout mice are resistant to experimental dextran sulfate sodium colitis. *J Gastroenterol Hepatol*. 2016 Jun 2. doi: 10.1111/jgh.13461. [Epub ahead of print] PMID: 27253188.

Yancu D, Blouin MJ, Birman E, **Florianova L**, Aleynikova O, Zakikhani M, VanderMeulen H, Seidman E, Pollak M. Insulin-like growth factor-3 knockout mice are resistant to experimental dextran sulfate sodium colitis.

J Gastroenterol Hepatol. 2016 Jun 2. doi: 10.1111/jgh.13461. [Epub ahead of print]

PMID: 27253188

Leduc V, Théroux L, Dea D, Dufour R and Poirier J. Effects of rs3846662 variants on HMGCR mRNA and protein levels and on markers of Alzheimer's disease pathology. *J Mol Neurosci*. 2016, 58 (1): 109-19.

Leduc V, Bourque L, Poirier J and Dufour R. Role of rs3846662 and HMGCR alternative splicing in statin efficacy and baseline lipid levels in familial hypercholesterolemia. *Pharmacogenet genomics* 2016, 26 (1: 1-11).

Wang HJ, Solanki Si, Traboulsi S, Kassouf W, Brimo F.

Neoadjuvant Chemotherapy-Related Histological Changes in Radical Cystectomy: Assessment Accuracy and Prediction of Response *Hum Pathol*. 2016 Jul; 53:35-40. doi: 10.1016/j.humpath.2016.02.011. Epub 2016 Mar 10. PMID: 27321168

2017

Makis, W, Ciarallo, A, Wang, B, **Gonzalez-Verdecia, M**, Probst, S.

Composite cutaneous lymphoma (iatrogenic immunodeficiency-associated lymphoproliferative disorder) in a patient with rheumatoid arthritis treated with Methotrexate: Staging and evaluation of response to therapy with 18F-FDG PET/CT. Nucl Med Mol Imaging. 2017 Sep; 51(3):261-265. doi: 10.1007/s13139-016-0463-4. Epub 2016 Dec 19 PMID: 28878854.

Gonzalez-Verdecia, M et al – Systemic lupus erythematosus associated pitfalls on 18F-FDG PET/CT: reactive follicular hyperplasia, Kikuchi-Fujimoto Disease, inflammation and lymphoid hyperplasia of the spleen mimicking lymphoma. Nucl Med Mol Imaging (2017). <https://doi.org/10.1007/s13139-017-0471-z> “

Makis, W, Ciarallo, A, Wang, B, **Gonzalez-Verdecia, M**, Probst, S. “Composite cutaneous lymphoma (iatrogenic immunodeficiency-associated lymphoproliferative disorder) in a patient with rheumatoid arthritis treated with Methotrexate: Staging and evaluation of response to therapy with 18F-FDG PET/CT”. Nucl Med Mol Imaging 2017 Sep; 51(3):261-265. doi: 10.1007/s13139-016-0463-4. Epub 2016 Dec 19 PMID: 28878854.

Pelleieux S, Picard C, Lamarre-Théroux L, Déa D, **Leduc V**, Tsantrizos YS and Poirier J.

Isoprenoids and tau pathology in sporadic Alzheimer's disease. Submitted to Neurobiology of Aging (Sept. 2017).

Zhan Y, Guo J, Yang W, Goncalves C, Rzymski T, Dreas A, Żyłkiewicz E, MikulskiM, Brzózka K, Golas A, Kong Y, Ma M, Huang F, Huor B, Guo Q, da Silva SD, **Torres J**, Cai Y, Topisirovic I, Su J, Bijian K, Alaoui-Jamali MA, Huang S, Journe F, Ghanem GE, Miller WH Jr, Del Rincón SV. MNK1/2 inhibition limits oncogenicity and metastasis of KIT-mutant melanoma. J Clin Invest. 2017 Oct 16. pii: 91258. doi: 10.1172/JCI91258. PMID: 29035277.

Cerantola Y, Haberer E, **Torres J**, Alameddin M, Aronson S, Levental M, et al. Accuracy of cognitive MRI-targeted biopsy in hitting prostate cancer-positive regions of interest. World J Urol, 2015 May 17. PMID: 25981403.

2018

Pelleieux S, Picard C, Lamarre-Théroux L, Déa D, **Leduc V**, Tsantrizos YS and Poirier J. Isoprenoids and tau pathology in sporadic Alzheimer's disease. Neurobiol. Aging 2018, 65: 132-139.Roy, C.F., Roy, S.F., **Richer L.**, Fraser, R., Gilman S. Sevelamer Aspiration. J of Bronchology & Interventional Pulmonology Jul 2018; 25(3):e36-e37.

S. F. Roy, F. M. Ghazawi, A. Alsarheed, **K. D. Lach**, K. Watters, E. O'Brien. Angiosarcoma arising within a nonfunctioning arteriovenous fistula. Int. J. Dermatol. 2018 Dec : 57(2) : 1513-1515. Doi : 10.1111/ijd.14057. Epub 2018 May 24..

S. Piedimonte **L. Richer**, L. Fu, J. Arseneau, L. Souhami, J. Alfieri L. Gilbert, K. Jardon, Z. Zeng. Clinical significance of isolated tumor cells and micrometastasis in low-grade, stage I endometrial cancer. J Surg Oncol. 2018; 1-5. <https://doi.org/10.1002/jso.25259>

Wang Y, Auger M, Brimo F. Implementing the Paris System for Reporting Urinary Cytology results in a decrease in the rate of the “atypical” category and an increase in its prediction of subsequent high-grade urothelial carcinoma. . Cancer Cytopathology 126: 207-216 2018. doi:10.1002/cncy.21958