User's Published Papers (399)

2026 (16)

Janarthanan S, Kannampuzha I, Athwal HK, Hu P, Allan AL, Bhat V, Parsyan A. Exploratory Transcriptomic Profiling of Triple-Negative Breast Cancer Patient-Derived Organoids Following Treatment with Radiation Alone and in Combination with Polo-like Kinase 4 Inhibition. Radiation. 2026; 6(4):36. Epub ahead of print.

In M, Thorn RG. A new species of Luteodorsum (Basidiomycota: Gomphales) from Ontario, Canada. Botany. 2026 Aug 4;104: 1-11. Epub ahead of print.

Honsberger D, Pérez-Lachaud G, Magnacca KN, Lorenzo-Elarco JH, Kelly SL, Wright MG, Gariepy TD. Unraveling a complex of cryptic species near Cephalonomia hyalinipennis (Hymenoptera: Bethylidae) and their association with the coffee berry borer and other hosts. Arthropod Systematics & Phylogeny. 2026 July 14;84: 609-645.

Patterson VS, Jeyarajah MJ, Rampersaud AM, Bhattad GJ, Renaud SJ. OVOL2 Reinforces Epithelial Identity and Promotes SynT-I Differentiation in the Mouse Placenta. Biol Reprod. 2026 Jul 23. Epub ahead of print.

Jarosch AC, Maloney SNA, Weerasuriya NM, Jacobs CR, Thorn RG. Community composition of arbuscular mycorrhizal fungi in Ontario tallgrass prairies of differing disturbance histories. Mycorrhiza. 2026 Jun 13;36(3):33.

Stack-Couture S, Librais GNM, Lung B, Genereaux J, Halder V, Dumeaux V, Shapiro RS, Lajoie P. Hac1-independent functions of Ire1 drive morphogenesis in Candida albicans through distinct transcriptional programs. J Cell Sci. 2026 Jun 17. Epub ahead of print.

Stuckless EE, Gai LS, Slattery SS, Dempsey KH, Browne TS, Gloor GB, Edgell DR. PHYCUT: Scalable Multiplex CRISPR/Cas9 Editing for Genome Engineering in the Diatom Phaeodactylum tricornutum. ACS Synth. Biol. 15 May 2026; 15 (5): 1850–1865.

Pitambar TA, Singer SD, Chen L, Kohalmi SE, Hannoufa A. Establishment of Agrobacterium tumefaciens-mediated transformation of Onobrychis viciifiolia Scop.. Plant Cell Tiss Organ Cult 166, 1 (2026).

Al KF, Wammes M, Warren M, Lee JE, Walton DM, O'Connor C, Cameron L, Burton JP, Osuch EA. A case-series of oral acetate supplementation for gut microbiota alteration and metabolic improvement in patients with affective disorders on psychotropics. Transl Psychiatry. 2026 Apr 21. Epub ahead of print.

Hang S, Hegele RA. Clinical identification of familial chylomicronemia syndrome and novel therapeutic options. Expert Rev Cardiovasc Ther. 2026 Apr 20. Epub ahead of print.

Wong RBK, McIntyre AD, Wang J, Hegele RA, Berberich AJ. Impact of Genetic Testing in Endocrinology Practice: A Single-Centre Experience Focused on Lipid and Monogenic Diabetes Disorders. Endocr Pract. 2026 Apr 9:S1530-891X(26)00939-0. Epub ahead of print.

Rudkouskaya A, Ivanova IA, Sayedyahossein S, Dagnino L. Essential Role of Integrin-Linked Kinase in Keratinocyte Responses to Mechanical Strain. International Journal of Molecular Sciences. 2026; 27(6):2858.

Rozik P, Moore H, Lant JT, Hoffman KS, Schultz SK, Afzal B, Chan PP, Flynn LE, Heinemann IU, Lowe TM, O'Donoghue P. Mistranslation from an endogenous tRNA variant in human pan-genome cell lines. Nucleic Acids Res. 2026 Feb 24;54(5).

Pitambar TA, Singer SD, Chen L, Kohalmi SE, Hannoufa A. Establishment of Agrobacterium tumefaciens-mediated transformation of Onobrychis viciifiolia. Plant Cell Tissue Organ Cult. 2026 Mar 19.

Ham DT, Browne TS, Zhang CQ, Foo GW, Uruthirapathy AS, Gloor GB, Edgell DR. Machine learning reveals sequence and methylation determinants of SaCas9-PAM interactions in bacteria. Nucleic Acids Res. 2026 Jan 14;54(2)

Loedige KW, Hall MA, Ghimirey S, Stead BE, Edgell DR. Modular determinants of cleavage preference in GIY-YIG nucleases revealed by block-based DNA shuffling and directed evolution. Nucleic Acids Res. 2026 Jan 5;54(1).

2025 (18)

Win PW, Nguyen J, Shin EH, Nagano TS, Selimi B, Hong K, Meybodi AM, Yates BP, Burke EV, Carter DE, Newby GA, Newcomb C, Arking DE, Castellani CA. Mitochondrial DNA copy number reduction via in vitro TFAM knockout remodels the nuclear epigenome and transcriptome. Epigenomics. 2025 Dec 23:1-18. Epub ahead of print.

Baldino AM, Mumby MJ, Edgar CR, Olabode AS, Poon AFY, Dikeakos JD. Ancestral reconstruction supports that loss of Nef-mediated T cell modulation coincided with the emergence of pathogenic lentiviruses. J Virol. 2025 Dec 2. Epub ahead of print.

Tolg C, Price M, Leith S, Miller T, Pavanel H, A.C. Nelson, Hill KA, McCarthy JB, Turley EA. High hyaluronan binding and RHAMM expression identify an invasive

and metastatic subpopulation in androgen-resistant prostate cancer cells. Matrix Biol. 2025 Nov 19. Epub ahead of print.

Lordfard S, Wang J, McIntyre AD, Kennedy BA, Hegele RA. Spectrum of DNA variants in Southwestern Ontario patients with familial hypercholesterolemia. CJC Open. 2025 Sept 10. Epub ahead of print.

KS Hazra, CA Therrien, BD Neff. Population Genetics and Origins of Rainbow Smelt (Osmerus mordax) in the Laurentian Great Lakes. Can J Fish Aquat Sci. 2025 Aug 22. Epub ahead of print.

Samardzija P, Fenech MA, Hassan O, Lang R, Carter MC, Chen S, Shi S, Ramachandran R, Stathopulos PB, Pin CL. Defining the interactome of the pancreas-specific SPCA2 isoform (SPCA2C) identifies unique links to store-operated Ca2+ entry. FEBS J. 2025 Aug 10. Epub ahead of print.

Cola A, Bernards MA. Influence of Ginsenosides on the Pathogenicity of Ilyonectria spp. Phytopathology. 2025 July 2. Epub ahead of print.

Wang TZ, Thapa RK, Yu F, Warsi A, Rong K, Jose P, Kashkoulinejad-Kouhi T, Win PW, Castellani CA, Mele T, Zheng X. Mining, validating, and quantifying circular RNA transcriptome from total RNA as a biomarker or target. Sci Rep. 2025 Jul 1;15(1):20418.

Hang S, Wang J, Taboun Z, McIntyre AD, Hegele RA. Heterozygous pathogenic PPARG variants in patients with severe hypertriglyceridemia. J Clin Lipidol. 2025 June 3. Epub ahead of print.

Flores LF, Marks DL, Vera RE, Sigafoos AN, Tolosa EJ, Almada LL, Pease DR, Toruner MD, Chang B, Tader BR, LaRue-Nolan KC, Carr RM, Graham RP, Hagen CE, Brown MR, Matveyenko AV, Wilson KL, Dawson DW, Pin CL, Roux KJ, Fernandez-Zapico ME. Emerin is an effector of oncogenic KRAS-driven nuclear dynamics in pancreatic cancer. JCI Insight. 2025 Jun 10. Epub ahead of print.

Montero-Odasso M, Pieruccini-Faria F, Black SE, Binns MA, Freedman M, Grimes DA, Hegele RA, Haddad SH, Lang AE, Masellis M, Mandzia J, Beaton D, Ramirez J, Roberts AC, McIlroy W, Pasternak SH, Zinman L, Abrahao A, Swartz RH, Symons S, Tan B, Tartaglia C, Son S, Sakuraic R, Dilliott A, Cornish BF, Hezam A, Strong MJ, Bartha R. Association between vascular risk factors burden and neurodegenerative diseases: results from ONDRI. J Neurol. 2025 May 25. Epub ahead of print.

Mueller PA, Rosario S, Hay J, Bergstrom P, Velazquez SP, Hegele RA, Pamir N, Purnell J. Characterization of Familial Chylomicronemia Syndrome in a Compound Heterozygote for Two APOA5 Nonsense Variants. J Clin Lipidol. 2025 May 7. Epub ahead of print.

Doucette SAN, Potvin DA, Slade JWG, Watson MJ, Niroshan JJ, MacDougall-Shackleton EA. Assortative mating at the innate immune locus TLR3 in song sparrows: opposites do not attract. Anim Behav. 2025 Apr 25. Epub ahead of print.

Hartjes ED, Lim YJ, Velenosi TJ, Al KF, Macklaim JM, Kucey As, Reid G, Burton JP, Gloor GB, Urquhart BL. The Impact of Progressive Chronic Kidney Disease on Hepatic Drug Metabolism. Drug Metab Dispos. 2025 Apr 28. Epub ahead of print.

Hoogstra SJ, Renaud JB, McMullin DR, Kelman MJ, Garnham CP, Sumarah MW. Biotransformation of Deoxynivalenol to the Novel Metabolite Deoxynivalenol-8,15-hemiketal-7-glucoside by the Bacillus subtilis Glycosyltransferase YjiC. ACS Omega. 2025 Mar 24. Epub ahead of print.

Manji A, Wang L, Pape CM, McCaig LA, Troitskaya A, Batnyam O, McDonald LJ, Appleton CT, Veldhuizen RA, Gill SE. Effect of aging on pulmonary cellular responses during mechanical ventilation. JCI Insight. 2025 Feb 13;10(6)

Grieves LA, Gloor GB. Uropygial gland microbiota of nearctic-neotropical migrants vary with season and migration distance. Anim Microbiome. 2025 Jan 30;7(1):11

Tomas EJ, Valdes YR, Davis J, Kolendowski B, Buensuceso A, DiMattia GE, Shepherd TG. Exploiting Cancer Dormancy Signaling Mechanisms in Epithelial Ovarian Cancer Through Spheroid and Organoid Analysis. Cells. 2025 Jan 17;14(2):133

2024 (14)

Lin WZ, Yu D, Xiong LY, Zebarth J, Wang R, Fischer CE, Rajji TK, Tang-Wai DF, Tartaglia C, Saposnik G, Swartz RH, Grimes DA, Lang AE, Hegele RA, Farhan S, Ramirez J, Symons S, Goubran M, Binns MA, Lou W, Dixon RA, Orange JB, Roberts AC, Troyer AK, Zetterberg H, Herrmann N, Rabin JS, MacIntosh BJ, Masellis M, Lanctôt KL, Black SE, Swardfager W; ONDRI Investigators. Homocysteine, neurodegenerative biomarkers, and APOE ε4 in neurodegenerative diseases. Alzheimers Dement. 2024 Nov 19. Epub ahead of print.

Mee, M.W.; Faulkner, S.; Wood, G.A.; Woods, J.P.; Bienzle, D.; Coomber, B.L. Longitudinal Study of Transcriptomic Changes Occurring over Six Weeks of CHOP Treatment in Canine Lymphoma Identifies Prognostic Subtypes. Vet. Sci. 2024 Nov 5;11(11): 540.

Jacob EO, McIntyre AD, Wang J, Hegele RA. Reduced lipoprotein (a) in patients with severe hypertriglyceridaemia. J Int Med Res. 2024 Oct 14; Epub ahead of print.

Dawson A, Karimi AH, Shaikh MH, Gazala W, Zeng PYF, Ryan SEB, Pan H, Khan H, Cecchini M, Mendez A, Palma DA, Mymryk JS, Barrett JW, Nichols AC. Loss of MACROD2 drives radioresistance but not cisplatin resistance in HPV-positive head and neck cancer. Oral Oncol. 2024 Oct 1. Epub ahead of print.

Wilson RB, Chen YJ, Zhang R, Maini S, Andrews TS, Wang R, Borradaile NM. Elongation factor 1A1 inhibition elicits changes in lipid droplet size, the bulk transcriptome, and cell type-associated gene expression in MASLD mouse liver. Am J Physiol Gastrointest Liver Physiol. 2024 Oct 1;327(4):G608-G622.

Spagnuolo CM, Wang J, McIntyre AD, Kennedy BA, Hegele RA. Comparison of patients with familial chylomicronemia syndrome and multifactorial chylomicronemia syndrome. J Clin Endocrinol Metab. 2024 Sep 6. Epub ahead of print.

Sigafoos AN, Tolosa EJ, Carr RM, Fernandez-Barrena MG, Almada LL, Pease DR, Hogenson TL, Raja Arul GL, Mousavi F, Sen S, Vera RE, Marks DL, Flores LF, LaRue-Nolan KC, Wu C, Bamlet WR, Vrabel AM, Sicotte H, Schenk EL, Smyrk TC, Zhang L, Rabe KG, Oberg AL, Zaphiropoulos PG, Chevet E, Graham RP, Hagen CE, di Magliano MP, Elsawa SF, Pin CL, Mao J, McWilliams RR, Fernandez-Zapico ME. KRAS Promotes GLI2-Dependent Transcription during Pancreatic Carcinogenesis. Cancer Res Commun. 2024 Jul 1;4(7):1677-1689.

Andriuta D, Ottoy J, Ruthirakuhan M, Feliciano G, Dilliott AA, Hegele RA, Gao F, McLaughlin PM, Rabin JS, Wood Alexander M, Scott CJM, Yhap V, Berezuk C, Ozzoude M, Swardfager W, Zebarth J, Tartaglia MC, Rogaeva E, Tang-Wai DF, Casaubon L, Kumar S, Dowlatshahi D, Mandzia J, Sahlas D, Saposnik G, Fischer CE, Borrie M, Hassan A, Binns MA, Freedman M, Chertkow H, Finger E, Frank A, Bartha R, Symons S, Zetterberg H, Swartz RH, Masellis M, Black SE, Ramirez J; ONDRI Investigators. Perivascular spaces, plasma GFAP, and speeded executive function in neurodegenerative diseases. Alzheimers Dement. 2024 Jul 4. Epub ahead of print.

Ahmad M, Kennedy BA, Son S, McIntyre AD, Lazarte J, Wang J, Hegele RA. Carotid intima medial thickness in patients with severe hypertriglyceridemia. Atheroscler Plus. 2024 April 21. Epub ahead of print.

Rosa CA, Santos ARO, Palmier K, Duell M, Carvalho AOS, Fernadez NV, Pimenta RS, Morais PB, Araya M, Cubillos FA, Pontes A, Aires A, Gonçalves C, Gonçalves P, Sampaio JP, Lachance MA. Taxogenomic analyses of Starmerella gilliamiae f.a, sp. nov. and Starmerella monicapupoae f.a., sp. nov., two novel species isolated from plant substrates and insects. Int J Syst Evol Microbiol. 2024 Feb;74(2).

Ngo MH, Pankrac J, Ho RCY, Ndashimye E, Pawa R, Ceccacci R, Biru T, Olabode AS, Klein K, Li Y, Kovacs C, Assad R, Jacobson JM, Canaday DH, Tomusange S,

Jamiru S, Anok A, Kityamuweesi T, Buule P, Galiwango RM, Reynolds SJ, Quinn TC, Redd AD, Prodger JL, Mann JFS, Arts EJ. Effective and targeted latency reversal in CD4+ T cells from individuals on long term combined antiretroviral therapy initiated during chronic HIV-1 infection. Emerg Microbes Infect. 2024 Dec;13(1):2327371. Epub 2024 Mar 26. PMID: 38444369.

Sakurai R, Pieruccini-Faria F, Cornish B, Fraser J, Binns MA, Beaton D, Dilliott AA, Kwan D, Ramirez J, Tan B, Scott CJM, Sunderland KM, Tartaglia C, Finger E, Zinman L, Freedman M, McLaughlin PM, Swartz RH, Symons S, Lang AE, Bartha R, Black SE, Masellis M, Hegele RA, McIlroy W; ONDRI Investigators; Montero-Odasso M. Link among apolipoprotein E E4, gait, and cognition in neurodegenerative diseases: ONDRI study. Alzheimers Dement. 2024 Mar 12. Epub ahead of print.

Naik A, Chitturi P, Nguyen J, Leask A. The yes-associated protein-1 (YAP1) inhibitor celastrol suppresses the ability of transforming growth factor β to activate human gingival fibroblasts. Arch Oral Biol. 2024 Feb 5:105910. Epub ahead of print.

Wilson RB, Kozlov AM, Tehrani HH, Twumasi Ankrah JS, Chen YJ, Borrelli MJ, Sawyez CG, Maini S, Shepherd TG, Cumming RC, Betts DH, Borradaile NM. Elongation factor 1A1 regulates metabolic substrate preference in mammalian cells. J Biol Chem. 2024 Jan 23:105684. Epub ahead of print.

2023 (18)

Al KF, Joris BR, Daisley BA, Chmiel JA, Bjazevic J, Reid G, Gloor GB, Denstedt JD, Razvi H, Burton JP. Multi-site microbiota alteration is a hallmark of kidney stone formation. Microbiome. 2023 Nov 25;11(1):263.

Chan E, Dirk BS, Honda T, Stathopulos PB, Dikeakos JD, Di Guglielmo GM. Acetylenic tricyclic bis-(cyano enone) interacts with Cys 374 of actin, a residue necessary for stress fiber formation and cell migration. Biochim Biophys Acta Mol Cell Res. 2023 Nov 17:119629. [Epub ahead of print].

Shaikh MH, Dawson A, Prokopec SD, Barrett JW, Y F Zeng P, Khan MI, Ryan SEB, Cecchini M, Palma DA, Mymryk JS, Boutros PC, Nichols AC. Loss of LRP1B expression drives acquired chemo and radio-resistance in HPV-positive head and neck cancer. Oral Oncol. 2023 Sep 29;146:106580. Epub ahead of print.

Jacob EO, McIntyre AD, Wang J, Hegele RA. Lipoprotein (a) in familial hypercholesterolemia. CJC Open. 2023 Sep 30. Epub ahead of print.

Chitturi P, Xu S, Ahmed Abdi B, Nguyen J, Carter DE, Sinha S, Arora R, Biernaskie J, Stratton RJ, Leask A. Tripterygium wilfordii derivative celastrol, a YAP inhibitor, has antifibrotic effects in systemic sclerosis. Ann Rheum Dis. 2023 Sep;82(9):1191-1204.

Ham DT, Browne TS, Banglorewala PN, Wilson TL, Michael RK, Gloor GB, Edgell DR. A generalizable Cas9/sgRNA prediction model using machine transfer learning with small high-quality datasets. Nat Commun. 2023 Sep 7;14(1):5514.

Perera SD, Wang J, McIntyre AD, Hegele RA. Variability of longitudinal triglyceride phenotype in patients heterozygous for pathogenic APOA5 variants. J Clin Lipidol. 2023 Aug 7. Epub ahead of print.

Mancini GBJ, Ryomoto A, Yeoh E, Brunham LR, Hegele RA. Recommendations for statin management in primary prevention: disparities among international risk scores. European Heart Journal, 2023 Aug 28 Epub ahead of print.

Daisley BA, Pitek AP, Torres C, Lowery R, Adair BA, Al KF, Niño B, Burton JP, Allen-Vercoe E, Thompson GJ, Reid G, Niño E. Delivery mechanism can enhance probiotic activity against honey bee pathogens. ISME J. 2023 Sep;17(9):1382-1395.

Dilliott AA, Berberian SA, Sunderland KM, Binns MA, Zimmer J, Ozzoude M, Scott CJM, Gao F, Lang AE, Breen DP, Tartaglia MC, Tan B, Swartz RH, Rogaeva E, Borrie M, Finger E, Fischer CE, Frank A, Freedman M, Kumar S, Pasternak S, Pollock BG, Rajji TK, Tang-Wai DF, Abrahao A, Turnbull J, Zinman L, Casaubon L, Dowlatshahi D, Hassan A, Mandzia J, Sahlas D, Saposnik G, Grimes D, Marras C, Steeves T, Masellis M, Farhan SMK, Bartha R, Symons S, Hegele RA, Black SE, Ramirez J; ONDRI Investigators. Rare neurovascular genetic and imaging markers across neurodegenerative diseases. Alzheimers Dement. 2023 Jun 5. doi: 10.1002/alz.13316. Epub ahead of print. PMID: 37272523.

Haye T, Moraglio ST, Tortorici F, Marazzi C, Gariepy T, Tavella L. Does the fundamental host range of Trissolcus japonicus match its realized host range in Europe?. J Pest Sci. 2023 May.

Berberich AJ, Hegele RA. Genetic testing in dyslipidaemia: An approach based on clinical experience. Best Pract Res Clin Endocrinol Metab. 2023 May;37(3):101720.

Grieves LA, Gloor GB, Quinn JS. Symbiotic microbiota vary with breeding group membership in a highly social joint-nesting bird. Behav Ecol. 2023 April 27.

Abedi AH, Yildirim SI, Bayram F, Onay H, Ozgur S, McIntyre A, Toth P, Hegele R. Genetic Variants Associated with Severe Hypertriglyceridemia: LPL, APOC2, APOA5, GPIHBP1, LMF1, and APOE. Turk Kardiyol Dern Ars. 2023: 51(1):10-21.

Nelson-Flower MJ, Grieves LA, Reid JM, Germain RR, Lazic S, Taylor SS, MacDougall-Shackleton EA, Arcese P. Immune genotypes, immune responses, and survival in a wild bird population. Mol Ecol. 2023 Mar 15. doi: 10.1111/mec.16923. Epub ahead of print.

Grieves LA, Balogh L, Kelly RT, MacDougall-Shackleton EA. Haemosporidian infection prevalence varies temporally and spatially and Leucocytozoon infections are male biased in Song Sparrows: La prévalence des hémosporidioses varie dans le temps et l'espace et les infections à Leucocytozoon sont biaisées en faveur des mâles chez Melospiza Melodia. Ornithology. 2023 Feb 16.

Pellegrino GM, Browne TS, Sharath K, Bari KA, Vancuren SJ, Allen-Vercoe E, Gloor GB, Edgell DR. Metabolically-targeted dCas9 expression in bacteria. Nucleic Acids Res. 2023 Jan 25;51(2):982-996.

Chandrabalan A, Firth A, Litchfield RB, Appleton CT, Getgood A, Ramachandran R. Human osteoarthritis knee joint synovial fluids cleave and activate Proteinase-Activated Receptor (PAR) mediated signaling. Sci Rep. 2023 Jan 20;13(1):1124.

2022 (12)

Grieves LA, Bottini CLJ, Gloor GB, MacDougall-Shackleton EA. Uropygial gland microbiota differ between free-living and captive songbirds. Sci Rep. 2022 Oct 31;12(1):18283. doi: 10.1038/s41598-022-22425-4.

Philpott HT, Birmingham TB, Fiset B, Walsh LA, Coleman MC, Séguin CA, Appleton CT. Tensile strain and altered synovial tissue metabolism in human knee osteoarthritis. Sci Rep. 2022 Oct 17;12(1):17367.

Spice DM, Dierolf J, Kelly GM. Suppressor of Fused Regulation of Hedgehog Signaling is Required for Proper Astrocyte Differentiation. Stem Cells Dev. 2022 Oct 13. doi: 10.1089/scd.2022.0131.

Dilliott AA, Zhang KK, Wang J, Abrahao A, Binns MA, Black SE, Borrie M, Dowlatshahi D, Finger E, Fischer CE, Frank A, Freedman M, Grimes D, Hassan A, Jog M, Kumar S, Lang AE, Mandzia J, Masellis M, Pasternak SH, Pollock BG, Rajji TK, Rogaeva E, Sahlas DJ, Saposnik G, Sato C, Seitz D, Shoesmith C, Steeves TDL, Swartz RH, Tan B, Tang-Wai DF, Tartaglia MC, Turnbull J, Zinman L; ONDRI Investigators, Hegele RA. Targeted copy number variant identification across the neurodegenerative disease spectrum. Mol Genet Genomic Med. 2022 Aug;10(8):e1986.

Clark JR, Gemin M, Youssef A, Marcovina SM, Prat A, Seidah NG, Hegele RA, Boffa MB, Koschinsky ML. Sortilin enhances secretion of apolipoprotein(a) through effects on apolipoprotein B secretion and promotes uptake of lipoprotein(a). J Lipid Res. 2022 Jun;63(6):100216.

Slattery SS, Giguere DJ, Stuckless EE, Shrestha A, Briere LK, Galbraith A, Reaume S, Boyko X, Say HH, Browne TS, Frederick MI, Lant JT, Heinemann IU, O'Donoghue P, Dsouza L, Martin S, Howard P, Jedeszko C, Ali K, Styba G, Flatley M, Karas BJ, Gloor GB, Edgell DR. Phosphate-regulated expression of the SARS-CoV-2 receptor-binding domain in the diatom Phaeodactylum tricornutum for pandemic diagnostics. Sci Rep. 2022 Apr 29;12(1):7010.

Mee, M.W., Faulkner, S., Wood, G.A. et al. RNA-Seq analysis of gene expression in 25 cases of canine lymphoma undergoing CHOP chemotherapy. BMC Res Notes 15, 111 Mar 22 (2022).

Weerasuriya NM, Kukolj K, Spencer R, Sveshnikov D, Thorn RG. Multiple Fungi May Connect the Roots of an Orchid (Cypripedium reginae) and Ash (Fraxinus nigra) in Western Newfoundland. Front Fungal Biol. 2022 Mar 1;3:805127.

Sevillano J, Liang A, Strutt B, Hill TG, Szlapinski S, Ramos-Álvarez MP, Hill DJ. Pleiotrophin Expression and Actions in Pancreatic β-Cells. Front Endocrinol (Lausanne). 2022 Feb 18;13:777868.

Rozik P, Szabla R, Lant JT, Kiri R, Wright DE, Junop M, O'Donoghue P. A novel fluorescent reporter sensitive to serine mis-incorporation. RNA Biol. 2022 Feb. 15;19(1):221-233.

Laforest, M., Simard, M., Meloche, S., Maheux, L., Tardif, F., & Page, E. Cross-resistance to photosystem II inhibitors observed in target site–resistant but not in non–target site resistant common ragweed (Ambrosia artemisiifolia). Weed Science, 2022 Feb. 14:70(2), 144-150.

Sanchez-Pupo RE, O'Donnell BL, Johnston D, Gyenis L, Litchfield DW, Penuela S. Pannexin 2 is expressed in murine skin and promotes UVB-induced apoptosis of keratinocytes. Mol Biol Cell. 2022 Mar 1;33(3) Epub 2022 Jan 5.

2021 (21)

Krakovsky J, Mcintyre A, Hegele R. The Lipid Profile of Individuals With the APOE c.T137C:p.L46P Mutation. Can J Diabetes. 2021 Nov 17. [Epub ahead of print]

Grieves LA, Gloor GB, Bernards MA, MacDougall-Shackleton EA. Preen gland microbiota covary with major histocompatibility complex genotype in a songbird. R Soc Open Sci. 2021 Oct 6;8(10):210936.

Gill PK, Hegele RA. Familial combined hyperlipidemia is a polygenic trait. Curr Opin Lipidol. 2021 Oct 22. [Epub ahead of print]

Dilliott, A.A., Abdelhady, A., Sunderland, K.M. et al. Contribution of rare variant associations to neurodegenerative disease presentation. npj Genom. Med. 6, 80 (2021). https://doi.org/10.1038/s41525-021-00243-3

Gariepy TD, Musolin DL, Konjević A, Karpun NN, Zakharchenko VY, Zhuravleva EN, Tavella L, Bruin A, Haye T. Diversity and distribution of cytochrome oxidase I (COI) haplotypes of the brown marmorated stink bug, Halyomorpha halys Stål (Hemiptera, Pentatomidae), along the eastern front of its invasive range in Eurasia. NeoBiota. 2021 Sept. 15 [Epub ahead of print]

Jacob RA, Edgar CR, Prévost J, Trothen SM, Lurie A, Mumby MJ, Galbraith A, Kirchhoff F, Haeryfar SMM, Finzi A, Dikeakos JD. The HIV-1 accessory protein Nef increases surface expression of the checkpoint receptor Tim-3 in infected CD4+ T cells. J Biol Chem. 2021 Aug 3 [Epub ahead of print]

Strutt, B., Szlapinski, S., Gnaneswaran, T. Donegan S, Hill J, Bennett J. Hill DJ. Ontology of the apelinergic system in mouse pancreas during pregnancy and relationship with β-cell mass. Sci Rep. 2021 July 29 [Epub ahead of print]

Lazarte J, Wang J, McIntyreb AD, Hegele RA. Prevalence of severe hypertriglyceridemia and pancreatitis in familial partial lipodystrophy type 2. J Clin Lipidol. 2021 July [Epub ahead of print]

Poelman A, Weerasuriya N, Vanderwolf KJ, Malloch D, McAlpine DF, Thorn RG. Fungi associated with aeroponic roots in caves and mines of New Brunswick. Fungal Ecology. 2021 August [Epub ahead of print]

Benoit YD, Mitchell RR, Wang W, Orlando L, Boyd AL, Tanasijevic B, Aslostovar L, Shapovalova Z, Doyle M, Bergin CJ, Vojnits K, Casado FL, Di Lu J, Porras DP, García-Rodriguez JL, Russell J, Zouggar A, Masibag AN, Caba C, Koteva K, Kinthada LK, Patel JS, Andres SN, Magolan J, Collins TJ, Wright GD, Bhatia M. Targeting SUMOylation dependency in human cancer stem cells through a unique SAE2 motif revealed by chemical genomics. Cell Chem Biol. 2021 May 7 [Epub ahead of print]

Ha SD, Lewin N, Li SSC, Kim SO. HDAC8 Activates AKT through Upregulating PLCB1 and Suppressing DESC1 Expression in MEK1/2 Inhibition-Resistant Cells. Cells 2021 May 4 [Epub ahead of print]

MacDonald KW, Chanyi RM, Macklaim JM, Cadieux PA, Reid G, Burton JP. Streptococcus salivarius inhibits immune activation by periodontal disease pathogens. BMC Oral Health 2021 May 7 [Epub ahead of print]

Dilliott AA, Sunderland KM, McLaughlin PM, Roberts AC, Evans EC, Abrahao A, Binns MA, Black SE, Borrie M, Casaubon LK, Dowlatshahi D, Finger E, Fischer CE, Frank A, Freedman M, Grimes D, Hassan A, Jog M, Hegele RA. Neurobiology

of Aging Association of apolipoprotein E variation with cognitive impairment across multiple neurodegenerative diagnoses. Neurobiol Aging. 2021 Apr 24 [Epub ahead of print]

Al KF, Burton JP. Processing human urine and ureteral stents for 16S rRNA amplicon sequencing. 2021 April 9 [Epub ahead of print]

Juriasingani S, Ruthirakanthan A, Richard-Mohamed M, Akbari M, Aquil S, Patel S, Al-Ogaili R, Whiteman M, Luke P, Sener A. Subnormothermic Perfusion with H2S Donor AP39 Improves DCD Porcine Renal Graft Outcomes in an Ex Vivo Model of Kidney Preservation and Reperfusion. Biomolecules. 2021 Mar 17 [Epub ahead of print]

Reid JC, Golubeva D, Boyd AL, Hollands CG, Henly C, Orlando L, Leber A, Hébert J, Morabito F, Cutrona G, Agnelli L, Gentile M, Ferrarini M, Neri A, Leber B, Bhatia M. Human pluripotent stem cells identify molecular targets of trisomy 12 in chronic lymphocytic leukemia patients. Cell Rep. 2021 Mar 16 [Epub ahead of print]

Page ER, Nurse RE, Meloche S, Bosveld K, Grainger C, Obeid K, Filotas M, Simard MJ, Laforest M. Import of Palmer amaranth (Amaranthus palmeri S. Wats.) seed with sweet potato (Ipomea batatas(L.) Lam) slips. Can J Plant Sci. 2021 Mar 4 [Epub ahead of print]

Volkening K,Farhan SMK, Kao J, Leystra-Lantz C, Ang LC, McIntyre A, Wang J, Hegele RA, Strong MJ. Evidence of synergism among three genetic variants in a patient with LMNA-related lipodystrophy and amyotrophic lateral sclerosis leading to a remarkable nuclear phenotype. Mol Cell Biochem. 2021 Mar 4 [Epub ahead of print]

Aslostovar L, Boyd AL, Benoit YD, Di Lu J, Garcia Rodriguez JL, Nakanishi M, Porras DP, Reid JC, Mitchell RR, Leber B, Xenocostas A, Foley R, Bhatia M. Abnormal dopamine receptor signaling allows selective therapeutic targeting of neoplastic progenitors in AML patients. Cell Rep Med. 2021 Feb 16 [Epub ahead of print]

May SC, Dron JS, Hegele RA, Sahoo D. Human Variant of Scavenger Receptor BI (R174C) Exhibits Impaired Cholesterol Transport Functions. J Lipid Res. 2021 Feb 9 [Epub ahead of print]

Shi-wen X, Racanelli M, Ali A, Simon A, Quesnel K, Stratton RJ, Leask A. Verteporfin inhibits the persistent fibrotic phenotype of lesional scleroderma dermal fibroblasts. J Cell Commun Signal. 2021 Jan 4.[Epub ahead of print]

2020 (20)

Gill SE, Dos Santos CC, O'Gorman DB, Carter DE, Patterson EK, Slessarev M, Martin C, Daley M, Miller MR, Cepinskas G, Fraser DD, Lawson COVID19 Study Team. Transcriptional profiling of leukocytes in critically ill COVID19 patients: implications for interferon response and coagulation. Intensive Care Med Exp. 2020 Dec 11;8(1):75.

Krey KL, Cooper WR, Renkema JM. Revealing the Diet of Generalist Insect Predators in Strawberry Fields: Not Only Pests, But Other Predators Beware. Environ Entomol. 2020 Nov 2 [Epub ahead of print]

Tobias IC, Kao MC, Parmentier T, Hunter H, LaMarre J, Betts DH. Targeted expression profiling reveals distinct stages of early canine fibroblast reprogramming are regulated by 2-oxoglutarate hydroxylases. 2020 Sep 30. [Epub ahead of print]

Daisley BA, Chanyi RM, Abdur-Rashid K, Al KF, Gibbons S, Chmiel JA, Wilcox H, Reid G, Anderson A, Dewar M, Nair SM, Chin J, Burton JP. Abiraterone acetate preferentially enriches for the gut commensal Akkermansia muciniphila in castrate-resistant prostate cancer patients. Nat Commun. 2020 Sep 24.

Al KF, Denstedt JD, Daisley BA, Bjazevic J, Welk BK, Pautler SE, Gloor GB, Reid G, Razvi H, Burton JP. Ureteral Stent Microbiota Is Associated with Patient Comorbidities but Not Antibiotic Exposure. 2020 Sep 22. [Epub ahead of print]

Al KF, Daisley BA, Chanyi RM, Bjazevic J, Razvi H,Reid G, Burton JP. Oxalate-Degrading Bacillus subtilis Mitigates Urolithiasis in a Drosophila melanogaster Model. ASM. 2020 Sep 9 [Epub ahead of print]

Thibeault PE, Ramachandran R. Role of the Helix-8 and C-Terminal Tail in Regulating Proteinase Activated Receptor 2 Signaling. ACS Pharmacol Transl Sci. 2020 Aug 10 [Epub ahead of print]

Namina HH, Zhurova V, Spenlera J, Grbića M, Grbić V, Scott IM. Resistance to pyridaben in Canadian greenhouse populations of two-spotted spider mites, Tetranychus urticae (Koch). Pestic Biochem Physiol. 2020 Aug 12 [Epub ahead of print]

Mann JFS, Pankrac J, Klein K, McKay PF, King DFL, Gibson R, Wijewardhana CN, Pawa R, Meyerowitz J, Gao Y, Canaday DH, Avino M, Poon AFY, Foster C, Fidler S, Shattock RJ, Arts EJ. A targeted reactivation of latent HIV-1 using an activator vector in patient samples from acute infection. EBioMedicine. 2020 Jul 5. [Epub ahead of print]

Tamming RJ, Dumeaux V, Jiang Y, Shafiq S, Langlois L, Ellegood J, Qiu LR, Lerch JP, Bérubé NG. Atrx Deletion in Neurons Leads to Sexually Dimorphic

Dysregulation of miR-137 and Spatial Learning and Memory Deficits. Cell Rep. 2020 Jun 30;31(13)

Ramirez J, Dilliott AA, Binns MA, Breen DP, Evans EC, Beaton D, McLaughlin PM, Kwan D, Holmes MF, Ozzoude M, Scott CJM, Strother SC, Symons S, Swartz RH, Grimes D, Jog M, Masellis M, Black SE, Joutel A, Marras C, Rogaeva E, Hegele RA, Lang AE, Ontario Neurodegenerative Disease Research Initiative Investigators. Parkinson's Disease, NOTCH3 Genetic Variants, and White Matter Hyperintensities. Mov Discord. 2020 Jun 23. [Epub ahead of print]

Fritz JL, Collins O, Saxena P, Buensuceso A, Valdes YR, Francis KE, Brown KR, Larsen B, Colwill K, Gingras AC, Rottapel R, Shepherd TG. A Novel Role for NUAK1 in Promoting Ovarian Cancer Metastasis Through Regulation of Fibronectin Production in Spheroids. Cancers (Basel). 2020 May 15;12(5):E1250.

Cole EL, Empringham JS, Biro C, Thompson GJ, Rosengaus RB. Relish as a Candidate Marker for Transgenerational Immune Priming in a Dampwood Termite (Blattodae: Archeotermopsidae). Insects. 2020 Feb 27;11(3).

Silveira L, Garner SR, Neff BD. Similarity at the major histocompatibility complex class II does not influence mating patterns in bluegill (Lepomis macrochirus). 2020 Mar 10. [Epub ahead of print]

Thibeaultand PE, Ramachandran R. Role of the C-terminal tail in regulating Proteinase Activated Receptor 2 (PAR2) signaling. 2020 Mar 2. [Epub ahead of print]

Tully TLA, Kaushik P, O'Connor J, Bernards MA. Fatty acid ω-hydroxylases of soybean: CYP86A gene expression and aliphatic suberin deposition. Botany. 2020 Feb 26. [Epub ahead of print]

Dron JS, Wang J, McIntyre AD, Iacocca MA, Robinson JF, Ban MR, Cao H, Hegele RA. Six years' experience with LipidSeq: clinical and research learnings from a hybrid, targeted sequencing panel for dyslipidemias. BMC Med Genomics. 2020 Feb 10;13(1):23.

Daisley BA, Pitek AP, Chmiel JA, Al KF, Chernyshova AM, Faragalla KM, Burton JP, Thompson GJ, Reid G. Novel probiotic approach to counter Paenibacillus larvae infection in honey bees. ISME J 2020 Feb 14(2):476-491.

Prévost J, Edgar CR, Richard J, Trothen SM, Jacob RA, Mumby MJ, Pickering S, Dubé M, Kaufmann DE, Kirchhoff F, Neil SJD, Finzi A, Dikeakos JD. HIV-1 Vpu downregulates Tim-3 from the surface of infected CD4+ T cells. J Virol. 2020 Jan 15. [Epub ahead of print]

2019 (32)

TR Kelly, BD Rubin, SA MacDougall-Shackleton, EA MacDougall-Shackleton. Experimental malaria infection affects songbirds' nocturnal migratory activity. 2019. [Epub ahead of print]

Mundi, N., Prokopec, S.D., Ghasemi, F. Warner A, Patel K, MacNeil D,Howlett C, Stecho W, Plantinga P, Pinto N, Ruicci KM, Khan MI, Han MW, Yoo J, Fung K, Sahovaler A, Palma DA, Winquist E, Mymryk JS, Barrett JW, Boutros PC, Nichols AC. Genomic and human papillomavirus profiling of an oral cancer cohort identifies TP53 as a predictor of overall survival. Cancers Head Neck 4, 5 (2019) [Epub ahead of print]

Lomeli-Flores JR, Rodríguez-Rodríguez SE, Rodríguez-Levya E, González-Hernández H, Gariepy TD, Talamas EJ. Field studies and molecular forensics identify a new association: Idris elba Talamas, sp. nov. parasitizes the eggs of Bagrada hilaris (Burmeister). JHR. 2019 Nov. 19. [Epub ahead of print]

Grieves LA, Gloor, GB, Bernards, MA, MacDougall-Shackleton EA. Songbirds show odour-based discrimination of similarity and diversity at the major histocompatibility complex. Animal Behav. 2019 Dec. [Epub ahead of print]

Zhang M, Dilliott AA, Khallaf R, Robinson JF, Hegele RA, Comishen M, Sato C, Tosto G, Reitz C, Mayeux R, George-Hyslop PS, Freedman M, Rogaeva E. Genetic and epigenetic study of an Alzheimer's disease family with monozygotic triplets. Brain. 2019 Nov 1;142(11):3375-3381.

Laforet M, McMurrough TA, Vu M, Brown CM, Zhang K, Junop MS, Gloor GB, Edgell DR. Modifying a covarying protein-DNA interaction changes substrate preference of a site-specific endonuclease. Nucleic Acids Res. 2019 Nov 18;47(20):10830-10841.

Daisley BA, Pitek AP, Chmiel JA, Al KF, Chernyshova AM, Faragalla KM, Burton JP, Thompson GJ, Reid G. Novel probiotic approach to counter Paenibacillus larvae infection in honey bees. ISME J. 2019 Oct 29. [Epub ahead of print]

Houlahan KE, Shiah YJ, Gusev A, Yuan J, Ahmed M, Shetty A, Ramanand SG, Yao CQ, Bell C, O'Connor E, Huang V, Fraser M, Heisler LE, Livingstone J, Yamaguchi TN, Rouette A, Foucal A, Espiritu SMG, Sinha A, Sam M, Timms L, Johns J, Wong A, Murison A, Orain M, Picard V, Hovington H, Bergeron A, Lacombe L, Lupien M, Fradet Y, Têtu B, McPherson JD, Pasaniuc B, Kislinger T, Chua MLK, Pomerantz MM, van der Kwast T, Freedman ML, Mani RS, He HH, Bristow RG, Boutros PC. Genome-wide germline correlates of the epigenetic landscape of prostate cancer. Nat Med. 2019 Oct 7. [Epub ahead of print]

Zhang M, Gao D, Shi Y, Wang Y, Joshi R, Yu Q, Liu D, Alotaibi F, Zhang Y, Wang H, Li Q, Zhang ZX, Koropatnick J, Min W. miR-149-3p reverses CD8+ T-cell

exhaustion by reducing inhibitory receptors and promoting cytokine secretion in breast cancer cells. Open Biol. 2019 Oct 31 [Epub ahead of print]

Zhang M, Dilliott AA, Khallaf R, Robinson JF, Hegele RA, Comishen M, Sato C, Tosto G, Reitz C, Mayeux R, George-Hyslop PS, Freedman M, Rogaeva E. Genetic and epigenetic study of an Alzheimer's disease family with monozygotic triplets. Brain. 2019 Oct 3. [Epub ahead of print]

Gaudet D, Durst R, Lepor N, Bakker-Arkema R, Bisgaier C, Masson L, Golden L, Kastelein JJ, Hegele RA, Stein E. Usefulness of Gemcabene in Homozygous Familial Hypercholesterolemia (from COBALT-1). Am J Cardiol. 2019 Sep. 26 [Epub ahead of print]

Peters KM, Borradaile NM. Microarray data and pathway analyses for human microvascular endothelial cells supplemented with low dose vitamin D or niacin during lipotoxicity. 2019 Sep 9. [Epub ahead of print]

Dron JS, Wang J, McIntyre AD, Cao H, Robinson JF, Duell B, Manjoo P, Feng J, Movsesyan I, Malloy MJ, Pullinger CR, Kane J, Hegele RA. Partial LPL deletions: rare copy-number variants contributing towards the polygenic form of severe hypertriglyceridemia. J Lipid Res. 2019 Sep 13. [Epub ahead of print]

Bhat V, Lee-Wing V, Hu P, Raouf A. Isolation and characterization of a new basal-like luminal progenitor in human breast tissue. Stem Cell Res Ther. 2019 Aug 23;10(1):269. [Epub ahead of print]

Peters KM, Zhang R, Park C, Nong Z, Yin H, Wilson RB, Sutherland BG, Sawyez CG, Pickering JG, Borradaile NM. Vitamin D intervention does not improve vascular regeneration in diet-induced obese male mice with peripheral ischemia. J Nutr Biochem. 2019 Aug;70:65-74.

Ruicci KM, Plantinga P, Pinto N, Khan MI, Stecho W, Dhaliwal SS, Yoo J, Fung K, MacNeil D, Mymryk JS, Barrett JW, Howlett CJ, Nichols AC. Disruption of the RICTOR/mTORC2 complex enhances the response of head and neck squamous cell carcinoma cells to PI3K inhibition. Mol Oncol. 2019 Aug 8. [Epub ahead of print]

Zhao PJ, Ban MR, Iacocca MA, McIntyre AD, Wang J, Hegele RA. Genetic determinants of myocardial infarction risk in familial hypercholesterolemia. CJC. 2019 Jul 2 [Epub ahead of print]

van de Vossenberg BTLH, Warris S, Nguyen HDT, van Gent-Pelzer MPE, Joly DL, van de Geest HC, Bonants PJM, Smith DS, Lévesque CA, van der Lee TAJ. Comparative genomics of chytrid fungi reveal insights into the obligate biotrophic and pathogenic lifestyle of Synchytrium endobioticum. Sci Rep. 2019 Jun 17;9(1):8672. [Epub ahead of print]

Ahmed K, Carter DE, Lajoie P. Hyperactive TORC1 sensitizes yeast cells to endoplasmic reticulum stress by compromising cell wall integrity. FEBS Lett. 2019 May 30. [Epub ahead of print]

Gulilat M, Lamb T, Teft WA, Wang J, Dron JS, Robinson JF, Tirona RG, Hegele RA, Kim RB, Schwarz U. Targeted next generation sequencing as a tool for precision medicine. BMC Med Genomics. 2019 Jun 3;12(1)

Ahmed K, Carter DE, Lajoie P. Hyperactive TORC1 sensitizes yeast cells to endoplasmic reticulum stress by compromising cell wall integrity. 2019 May 30 [Epub ahead of print]

Veras MA, Tenn NA, Kuljanin M, Lajoie GA, Hammond JR, Dixon SJ, Séguin CA. Loss of ENT1 increases cell proliferation in the annulus fibrosus of the intervertebral disc. J Cell Physiol. 2019 Jan 11 [Epub ahead of print]

Peters KM, Zhang R, Park C, Nong Z, Yin H, Wilson RB, Sutherland BG, Sawyez C, Pickering JG, Borradaile NM. Vitamin D intervention does not improve vascular regeneration in diet-induced obese male mice with peripheral ischemia. J Nutr Biochem. 2019 May 10 [Epub ahead of print]

Nakanishi M, Mitchell RR, Benoit YD, Orlando L, Reid JC, Shimada K, Davidson KC, Shapovalova Z, Collins TJ, Nagy A, Bhatia M. Human Pluripotency Is Initiated and Preserved by a Unique Subset of Founder Cells. Cell. 2019 Apr 9. pii: S0092-8674(19)30275-2. [Epub ahead of print]

Liu R, Cheng J, Muzlera C, Robinson JF, Ban MR, Hegele RA. Clinical Utility and Practical Considerations of a Coronary Artery Disease Genetic Risk Score. Can J Cardiol. 2019 Mar. [Epub ahead of print]

Berberich AJ, Huot C, Cao H, McIntyre AD, Robinson JF, Wang J, Hegele RA. Copy Number Variation in GCK in patients with Maturity-Onset Diabetes of the Young. J Clin Endocrinol Metab. 2019 Mar 26. [Epub ahead of print]

Iacocca MA, Dron JS, Hegele RA. Progress in finding pathogenic DNA copy number variations in dyslipidemia. Curr Opin Lipidol. 2019 Apr;30(2):63-70.

Chung CZ, Jaramillo JE, Ellis MJ, Bour DYN, Seidl LE, Jo DHS, Turk MA, Mann MR, Bi Y, Haniford DB, Duennwald ML, Heinemann IU. RNA surveillance by uridylation-dependent RNA decay in Schizosaccharomyces pombe. Nucleic Acids Res. 2019 Feb 1. [Epub ahead of print]

MA Iacocca, JS Dron, RA Hegele. Progress in finding pathogenic DNA copy number variations in dyslipidemia. Curr Opin Lipidol. 2019 Jan 22. [Epub ahead of print]

Nathoo N, MacDonald J, Weselowski B, Yuan Z. Comparative transcriptomic analysis reveals different responses of Arabidopsis thaliana roots and shoots to infection by Agrobacterium tumefaciens in a hydroponic co-cultivation system. Physiol Mol Plant Pathol. 2019 April [Epub ahead of print]

Veras MA, Tenn NA, Kuljanin M, Lajoie GA, Hammond JR, Dixon SJ, Séguin CA. Loss of ENT1 increases cell proliferation in the annulus fibrosus of the intervertebral disc. J Cell Physiol. 2019 Jan. 19 [Epub ahead of print]

Ghasemi F, Prokopec SD, MacNeil D, Mundi N, Gameiro SF, Howlett C, Stecho W, Plantinga P, Pinto N, Ruicci KM, Khan MI, Yoo J, Fung K, Sahovaler A, Palma DA, Winquist E, Mymryk JS, Barrett JW, Boutros PC, Nichols AC. Mutational analysis of head and neck squamous cell carcinoma stratified by smoking status. JCI Insight. 2019 Jan 10;4(1). [Epub ahead of print]

2018 (31)

Dubois VP, Zotova D, Parkins KM, Swick C, Hamilton AM, Kelly JJ, Ronald JA. Safe Harbor Targeted CRISPR-Cas9 Tools for Molecular-Genetic Imaging of Cells in Living Subjects. 2018 Dec. 20 [Epub ahead of print]

Elliott CG, Wang J, Walker JT, Michelsons S, Dunmore-Buyze J, Drangova M, Leask AC, Hamilton DW. Periostin and CCN2 Scaffolds Promote the Wound Healing Response in the Skin of Diabetic Mice. Tissue Eng Part A. 2018 Dec 20. [Epub ahead of print]

Ho R, McIntyre AD, Kennedy BA, Hegele RA. Whole-exome sequencing identifies a novel IHH insertion in an Ontario family with brachydactyly type A1. 2018 Dec 10. [Epub ahead of print]

McMurrough TA, Brown CM, Zhang K, Hausner G, Junop MS, Gloor GB, Edgell DR. Active site residue identity regulates cleavage preference of LAGLIDADG homing endonucleases. Nucleic Acids Res. 2018 Oct 24. [Epub ahead of print]

Batista CR, Lim M, Laramée A-S, Abu-Sardanah F, Xu LS, Hossain R, Bell GI, Hess DA, DeKoter RP. Driver mutations in Janus kinases in a mouse model of B-cell leukemia induced by deletion of PU.1 and Spi-B. Blood Adv. 2018 Nov 13;2(21):2798-2810.

Kapur A, Singh N, Mete O, Hegele RA, Fantus IG. A Young Male with Parafibromin-Deficient Parathyroid Carcinoma Due to a Rare Germline HRPT2/CDC73 Mutation. Endocr Pathol. 2018 Oct 25. [Epub ahead of print]

Dron JS, Wang J, Cao H, McIntyre AD, Iacocca MA, Menard JR, Movsesyan I, Malloy MJ, Pullinger CR, Kane JP, Hegele RA. Severe hypertriglyceridemia is

primarily polygenic. J Clin Lipidol. 2018 Oct 29. doi: 10.1016/j.jacl.2018.10.006 [Epub ahead of print]

Iacocca MA, Chora JR, Carrié A, Freiberger T, Leigh SE, Defesche JC, Kurtz CL, DiStefano MT, Santos RD, Humphries SE, Mata P, Jannes CE, Hooper AJ, Wilemon KA, Benlian P, O'Connor R, Garcia J, Wand H, Tichy L, Sijbrands EJ, Hegele RA, Bourbon M, Knowles JW; ClinGen FH Variant Curation Expert Panel. ClinVar database of global familial hypercholesterolemia-associated DNA variants. Hum Mutat. 2018 Nov;39(11):1631-1640.

Perera U, Kennedy BA, Hegele RA. Multiple Symmetric Lipomatosis (Madelung Disease) in a Large Canadian Family With the Mitochondrial MTTK c.8344A>G Variant. J Investig Med High Impact Case Rep. 2018 Sep 29; 6:1-7.

Ho R, Hegele RA. Complex effects of laminopathy mutations on nuclear structure and function. Clin Genet. 2018 Oct 3. doi: 10.1111/cge.13455. [Epub ahead of print]

Corral P, Geller AS, Polisecki EY, Lopez GI, Bañares VG, Cacciagiu L, Berg G, Hegele RA, Schaefer EJ, Schreier LE. Unusual genetic variants associated with hypercholesterolemia in Argentina. Atherosclerosis. 2018 Oct;277:256-261.

Luo B, Edge AK, Tolg C, Turley EA, Dean CB, Hill KA, Kulperger RJ. Spatial statistical tools for genome-wide mutation cluster detection under a microarray probe sampling system. PLoS One. 2018 Sep 25;13(9).

Chyzhyk V, Kozmic S, Brown AS,Hudgins LC, Starc TJ, Davila AD, Blevins TC, Diffenderfer MR, He L, Geller AS, Rush C, Hegele RA, Schaefer EJ. Extreme Hypertriglyceridemia: genetic diversity, pancreatitis, pregnancy, and prevalence. J Clin Lipidol. 2018 Sep 18; 12(5).

Gariepy TD, Bruin A, Konopka J, Scott-Dupree C, Fraser H, Bon MC, Talamas E. A modified DNA barcode approach to define trophic interactions between native and exotic pentatomids and their parasitoids. Mol Ecol. 2018 Sep 17.

Dron JS, Wang J, Berberich AJ, Lacocca MA, Cao H, Yang P, Knoll J, Tremblay K, Brisson D, Netzer C, Gouni-Berthold I, Gaudet D, Hegele RA. Large-scale deletions of the *ABCA1* gene in patients with hypoalphalipoproteinemia. J Lipid Res. 2018 Aug; 59:1529-1535.

Slattery SS, Diamond A, Wang H, Therrien JA, Lant JT, Jazey T, Lee K, Klassen K, Desgagné-Penix I, Karas BJ, Edgell DR. An Expanded Plasmid-Based Genetic Toolbox Enables Cas9 Genome Editing and Stable Maintenance of Synthetic Pathways in Phaeodactylum tricornutum. ACS Synth Biol. 2018 Feb 16;7(2):328-338.

Boyd AL, Aslostovar L, Reid J, Ye W, Tanasijevic B, Porras DP, Shapovalova Z, Almakadi M, Foley R, Leber B, Xenocostas A, Bhatia M. Identification of Chemotherapy-Induced Leukemic-Regenerating Cells Reveals a Transient Vulnerability of Human AML Recurrence. Cancer Cell. 2018 Sep 10;34(3):483-498.

Iacocca MA, Wang J, Sarkar S, Dron JS, Lagace T, McIntyre AD, Lau P, Robinson JF, Yang P, Knoll JH, Cao H, McPherson R, Hegele RA. Whole-Gene Duplication of PCSK9 as a Novel Genetic Mechanism for Severe Familial Hypercholesterolemia. Can J Cardiol. 2018 Aug 4; 34(10):1316-1324.

Kess T, Galindo J, Boulding EG. Genomic divergence between Spanish Littorina saxatilis ecotypes unravels limited admixture and extensive parallelism associated with population history. Ecol Evol. 2018 Jul 23;8(16):8311-8327.

Balasuriya N, McKenna M, Liu X, Li SSC, O'Donoghue P. Phosphorylation-Dependent Inhibition of Akt1. Genes (Basel). 2018 Sep 7;9(9).

Dilliott AA, Farhan SM, McIntyre AA, Robinson JF, Kwan D, Swartz R, Hassan A, Dowlatshahi D, Sahlas D, Saposnik G, Mandzia J, Casaubon L, Strong MJ, Masellis M, Bulman DE, Rogaeva E, Hegele RA. Identifying the genetic basis of vascular cognitive impairment using a custom designed next-generation sequencing-based gene panel. Atherosclerosis Supp. 2018 Jun; 32:80-81.

Ho R, Wang J, McIntyre AD, Hegele RA. Connecting extreme ends of the spectrum: Ultra-rare androgen receptor mutations in metabolic phenotypes. Atherosclerosis Supp. 2018 Jun; 32:81.

McMillan A, Rulisa S, Gloor GB, Macklaim JM, Sumarah M, Reid G. Pilot assessment of probiotics for pregnant women in Rwanda. PLoS One. 2018 Jun 18;13(6) [Epub ahead of print]

Reid JC, Tanasijevic B, Golubeva D, Boyd AL, Porras DP, Collins TJ, Bhatia M. CXCL12/CXCR4 Signaling Enhances Human PSC-Derived Hematopoietic Progenitor Function and Overcomes Early In Vivo Transplantation Failure. Stem Cell Reports. 2018 May 8;10(5):1625-1641.

Dilliott AA, Farhan SMK, Ghani M, Sato C, Liang E, Zhang M, McIntyre AD, Cao H, Racacho L, Robinson JF, Strong MJ, Masellis M, Bulman DE, Rogaeva E, Lang A, Tartaglia C, Finger E, Zinman L, Turnbull J, Freedman M, Swartz R, Black SE, Hegele RA. Targeted Next-generation Sequencing and Bioinformatics Pipeline to Evaluate Genetic Determinants of Constitutional Disease. J Vis Exp. 2018 Apr 4;(134).

R.M. Labbé, R. Hilker, D. Gagnier, C. McCreary, G.A.P. Gibson, J. Fernández-Triana, P.G. Mason, T.D. Gariepy. Natural enemies of Anthonomus eugenii

(Coleoptera: Curculionidae) in Canada. Can Entomol. 2018 Mar 2. [Epub ahead of print]

Wang LR, McIntyre AD, Hegele RA. Complex genetic architecture in severe hypobetalipoproteinemia. Lipids Health Dis. 2018 Mar 14;17(1):48.

Volkening K, Keller B, Leysta-Lantz C, Strong MJ. RNA and protein interactors with TDP-43 in human spinal cord lysates in ALS. J Proteome Res. 2018 Mar 7. [Epub ahead of print]

Collins SL, McMillan A, Seney S, van der Veer C, Kort R, Sumarah MW, Reid G. Promising Prebiotic Candidate Established by Evaluation of Lactitol, Lactulose, Raffinose, and Oligofructose for Maintenance of a Lactobacillus-Dominated Vaginal Microbiota. Appl environ Microbiol. 2018 Feb 14;84(5)

Asemaninejada A, Thorn RG, Branfireuna BA, Lindo Z. Climate change favours specific fungal communities in boreal peatlands. Soil Biol Biochem. 2018 Feb 6. [Epub ahead of print]

Farhan SMK, Gendron TF, Petrucelli L, Hegele RA, Strong MJ. OPTN p.Met468Arg and ATXN2 intermediate length polyQ extension in families with C9orf72 mediated amyotrophic lateral sclerosis and frontotemporal dementia. Am J Med Genet B Neuropsychiatr Genet. 2018 Jan;177(1):75-85.

2017 (16)

Castellani CA, Melka MG, Gui JL, Gallo AJ, O'Reilly RL, Singh SM. Post-zygotic genomic changes in glutamate and dopamine pathway genes may explain discordance of monozygotic twins for schizophrenia. Clin Transl Med. 2017 Nov 28;6(1):43.

Al KF, Bisanza JB, Gloor GB, Reid G, Burton JP. Evaluation of sampling and storage procedures on preserving the community structure of stool microbiota: A simple at-home toilet-paper collection method. J Microbiol Methods. 2017 Nov 16. [Epub ahead of print]

Farhan SMK, Gendron TF, Petrucelli L, Hegele RA, Strong MJ. OPTN p.Met468Arg and ATXN2 intermediate length polyQ extension in families with C9orf72 mediated amyotrophic lateral sclerosis and frontotemporal dementia. Am J Med Genet B Neuropsychiatr Genet. 2017 Oct 28. [Epub ahead of print]

Brinton EA, Hopkins NP, Hegele RA, Geller AS, Polisecki EY, Diffenderfer MR, Schaefer EJ. The association between hypercholesterolemia and sitosterolemia, and report of a sitosterolemia kindred. J Clin Lipidol. 2017 Oct 12. [Epub ahead of print]

Areal LB, Pereira LP, Ribeiro FM, Olmo IG, Muniz MR, do Carmo Rodrigues M, Costa PF, Martins-Silva C, Ferguson SS, Guimarães DAM, Pires RGW. Role of Dynein Axonemal Heavy Chain 6 Gene Expression as a Possible Biomarker for Huntington's Disease: a Translational Study. J Mol Neurosci. 2017 Oct 10. [Epub ahead of print]

Miletic S, Hünerberg M, Kaldis A, MacDonald J, Leuthreau A, McAllister T, Menassa R. A plant-produced candidate subunit vaccine reduces shedding of enterohemorrhagic Escherichia coli in ruminants. Biotechnol J. 2017 Sep 4. [Epub ahead of print]

Iacocca MA, Wang J, Dron JS, Robinson JF, McIntyre AD, Cao H, Hegele RA. Use of next-generation sequencing to detect LDLR gene copy number variation in familial hypercholesterolemia. J Lipid Res. 2017 Sep 5. [Epub ahead of print]

Benoit YD, Mitchell RR, Risueño RM, Orlando L, Tanasijevic B, Boyd AL, Aslostovar L, Salci KR, Shapovalova Z, Russell J, Eguchi M, Golubeva D, Graham M, Xenocostas A, Trus MR, Foley R, Leber B, Collins TJ, Bhatia M. Sam68 Allows Selective Targeting of Human Cancer Stem Cells. Cell Chem Biol. 2017 Jun 21 [Epub ahead of print]

Scipione CA, McAiney JT, Simard DJ, Bazzi ZA, Gemin M, Romagnuolo R, Macrae FL, Ariëns RA, Hegele RA, Auld J, Gauld JW, Boffa MB, Koschinsky ML. Characterization of the I4399M variant of apolipoprotein(a): implications for altered prothrombotic properties of lipoprotein(a). J Thromb Haemost. 2017 Jun 20; 15(9):1834-1844.

Ribeiro LR, Santos AR, Groenewald M, Smith MT, Lara CA, Góes-Neto A, Jacques N, Grondin C, Casaregola S, Lachance MA, Rosa CA. Description of Hyphopichia buzzinii f.a., sp. nov. and Hyphopichia homilentoma comb. nov., the teleomorph of Candida homilentoma. Antonie Van Leeuwenhoek. 2017 Apr 6. doi: 10.1007/s10482-017-0870-2. [Epub ahead of print]

Lee JH, Laronde S, Collins TJ, Shapovalova Z, Tanasijevic B, McNicol JD, Fiebig-Comyn A, Benoit YD, Lee JB, Mitchell RR, Bhatia M. Lineage-Specific Differentiation Is Influenced by State of Human Pluripotency. Cell Rep. 2017 Apr 4;19(1):20-35.

Asemaninejad A, Thorn RG, Lindo Z. Vertical distribution of fungi in hollows and hummocks of boreal peatlands. Fungal Ecology. 2017 Jun [Epub ahead of print]

Asemaninejad A, Thorn RG, Lindo Z. Experimental Climate Change Modifies Degradative Succession in Boreal Peatland Fungal Communities. Microb Ecol. 2017 Apr;73(3):521-531.

Ratneswaran A, Man-Ger Sun M, Dupuis H, Sawyez C, Borradaile N, Beier F. Nuclear receptors regulate lipid metabolism and oxidative stress markers in chondrocytes. J Mol Med (Berl). 2017 Jan 9. [Epub ahead of print]

Fraser M, Sabelnykova VY,Yamaguchi TN, *et al*. Genomic hallmarks of localized, non-indolent prostate cancer. Nature. 2017 Jan 7 [Epub ahead of print]

A Kait, Sarr O, Dunlop K, Gloor GB, Reid G, Burton J, Regnault TRH. Impact of birth weight and postnatal diet on the gut microbiota of young adult guinea pigs. PeerJ. 2017 Jan 2. [Epub ahead for print]

2016 (25)

Ishak CA, Marshall AE, Passos DT, White CR, Kim SJ, Cecchini MJ, Ferwati S, MacDonald WA, Howlett CJ, Welch ID, Rubin SM, Mann MR, Dick FA. An RB-EZH2 Complex Mediates Silencing of Repetitive DNA Sequences. Mol Cell. 2016 Dec 15;64(6):1074-1087.

Yin C, Kim Y, Argintaru D, Heit B. Rab17 mediates differential antigen sorting following efferocytosis and phagocytosis. Cell Death Dis. 2016 Dec 12. [Epub ahead for print]

McNeely D, Chanyi RM, Dooley JS, Moore JE, Koval SF. Biocontrol of Burkholderia cepacia complex bacteria and bacterial phytopathogens by Bdellovibrio bacteriovorus. Can J microbial. 2016 Dec 22. [Epub ahead of print]

Wolfs JM, Hamilton TA, Lant JT, Laforet M, Zhang J, Salemi LM, Gloor GB, Schild-Poulter C, Edgell DR. Biasing genome-editing events toward precise length deletions with an RNA-guided TevCas9 dual nuclease. Proc Natl Acad Sci USA. 2016 Dec 12. [Epub ahead for print]

Slade JWG, Sarquis-Adamson Y, Gloor GB, Lachance MA, MacDougall-Shackleton EA. Population differences at MHC do not explain enhanced resistance of song sparrows to local parasites. J Hered. 2016 Dec. 11 [Epub ahead of print]

Hetherington AM, Sawyez CG, Borradaile NM. Microarray data and pathway analyses for primary human activated hepatic stellate cells compared to HepG2 human hepatoma cells. 2016 Dec. 13 [Epub ahead of print]

Hoffman KS, Berg MD, Shilton BH, Brandl CJ, O'Donoghue P. Genetic selection for mistranslation rescues a defective co-chaperone in yeast. Nucleic Acids Res. 2016 Nov 28. [Epub ahead of print]

Holmes S, Pena Diaz AM, Athwal GS, Faber KJ, O'Gorman DB. A rapid method for detecting Propionibacterium acnes in surgical biopsy specimens from the shoulder. J Shoulder Elbow Surg. 2016 Nov 22. [Epub ahead of print]

Fell VL, Walden EA, Hoffer SM, Rogers SR, Aitken AS, Salemi LM, Schild-Poulter C. Ku70 Serine 155 mediates Aurora B inhibition and activation of the DNA damage response. Sci Rep. 2016 Nov 16;6:37194.

Venkatachalam AB, Livingstone SM, Hu Q, Ray A, Wood C, Cimen S, Alwayn IPJ. Delivery of Soluble Heme Oxygenase 1 Cell-Penetrating Peptide into Liver Cells in in vitro and ex vivo Models of Cold Ischemia. Eur Surg Res 2017;58:51-68.

Slade JWG, Watson MJ, Kelly TR,Gloor GB, Bernards MA, MacDougall-Shackleton EA. Chemical composition of preen wax reflects major histocompatibility complex similarity in songbirds. Proc Biol Sci. 2016 Nov 16;283(1842).

Asemaninejad A, Thorn RG, Lindo Z. Experimental Climate Change Modifies Degradative Succession in Boreal Peatland Fungal Communities. Microb Ecol. 2016 Oct 15. [Epub ahead of print]

Goiko M, de Bruyn JR, Heit B. Short-Lived Cages Restrict Protein Diffusion in the Plasma Membrane. Sci Rep. 2016 Oct 11 [Epub ahead of print]

Farhan SMK, Dilliott AA, Ghani M, Sato C, Liang E, Zhang M, McIntyre AD, Cao H, Racacho L, Robinson JF, Strong MJ, Masellis M, St George-Hyslop P, Bulman DE, Rogaeva E, Hegele RA. The ONDRISeq panel: custom-designed next-generation sequencing of genes related to neurodegeneration. 2016 Sep 21. [Epub ahead of print]

Hetherington AM, Sawyez CG, Zilberman E, Stoianov AM, Robson DL, Borradaile NM. Differential Lipotoxic Effects of Palmitate and Oleate in Activated Human Hepatic Stellate Cells and Epithelial Hepatoma Cells. Cell Physiol Biochem. 2016 Sep 15. [Epub ahead of print]

Chan D, McIntyre AD, Hegele RA, Don-Wauchope AC. Familial partial lipodystrophy presenting as metabolic syndrome. J Clin Lipidol. 2016 Sep 1. [Epub ahead of print]

Sarquis-Adamson Y, MacDougall-Shackleton EA. Song sparrows Melospiza melodia have a home-field advantage in defending against sympatric malarial parasites. R Soc Open Sci. 2016 Aug 10. [Epub ahead of print]

Urbaniak C, Gloor GB, Brackstone M, Scott L, Tangney M, Reid G. The Microbiota of Breast Tissue and Its Association with Breast Cancer. Appl Environ Microbiol. 2016 Aug 15; 82(16): 5039-5048.

Asemaninejad A, Weerasuriya N, Gloor GB, Lindo Z, Thorn RG. New Primers for Discovering Fungal Diversity Using Nuclear Large Ribosomal DNA. PLoS One. 2016 Jul 8;11(7):e0159043

Martz SL, Guzman-Rodriguez M, He S, Noordhof C, Hurlbut DJ, Gloor GB, Carlucci C, Weese S, Allen-Vercoe E, Sun J, Claud EC, Petrof EO. A human gut ecosystem protects against C. difficile disease by targeting TcdA. J Gastroenterol. 2016 Jun 21. [Epub ahead of print]

Bisanz JE, Suppiah P, Thomson WM, Milne T, Yeoh N, Nolan A, Ettinger G, Reid G, Gloor GB, Burton JP, Cullinan MP, Stebbings SM. (2016) The oral microbiome of patients with axial spondyloarthritis compared to healthy individuals. PeerJ 4:e2095 https://doi.org/10.7717/peerj.2095

Chater-Diehl EJ, Laufer BI, Castellani CA, Alberry BL, Singh SM. Alteration of Gene Expression, DNA Methylation, and Histone Methylation in Free Radical Scavenging Networks in Adult Mouse Hippocampus following Fetal Alcohol Exposure. PLoS One. 2016 May 2 [Epub ahead of print]

Toxopeus J, Jakobs R, Ferguson LV, Gariepy TD, Sinclair BJ. Reproductive arrest and stress resistance in winter-acclimated Drosophila suzukii. J Insect Physiol. 2016 Mar 30 [Epub ahead of print]

Guezguez B, Almakadi M, Benoit YD, Shapovalova Z, Rahmig S, Fiebig-Comyn A, Casado FL, Tanasijevic B, Bresolin S, Masetti R, Doble BW, Bhatia M. GSK3 Deficiencies in Hematopoietic Stem Cells Initiate Pre-neoplastic State that Is Predictive of Clinical Outcomes of Human Acute Leukemia. Cancer Cell. 2016 Jan 11;29(1):61-74

Urbaniak C, Angelini M, Gloor GB, Reid G. Human milk microbiota profiles in relation to birthing method, gestation and infant gender. Microbiome. 2016 Jan 6;4:1.

2015 (21)

Lobb I, Davison M, Carter D, Liu W, Haig A, Gunaratnam L, Sener A. Hydrogen Sulfide Treatment Mitigates Renal Allograft Ischemia-Reperfusion Injury during Cold Storage and Improves Early Transplant Kidney Function and Survival Following Allogeneic Renal Transplantation. J Urol. 2015 Dec;194(6):1806-15

Possmayer M, Gupta RK, Szyszka-Mroz B, Maxwell DP, Lachance MA, Huner NPA, Smith DR. Resolving the phylogenetic relationship between Chlamydomonas sp. UWO 241 and Chlamydomonas raudensis sag 49.72 (Chlorophyceae) with nuclear and plastid DNA sequences. J Phycol. 2015 Nov 22 [Epub ahead of print]

Cernea M, Tang W, Guan H, Yang K. WISP1 mediates BMP3-stimulated mesenchymal stem cell proliferation. J Mol Endocrinol. 2015 Oct 21 [Epub ahead of print]

McMillan A, Rulisa S, Sumarah M, Macklaim JM, Renaud J, Bisanz JE, Gloor GB, Reid G. A multi-platform metabolomics approach identifies highly specific biomarkers of bacterial diversity in the vagina of pregnant and non-pregnant women. SciRep. 2015 Sep 21;5:14174

Bisanz JE, Enos MK, PrayGod G, Seney S, Macklaim JM, Chilton S, Willner D, Knight R, Fusch C, Fusch G, Gloor GB, Bruton JP, Reid G. Microbiota at Multiple Body Sites during Pregnancy in a Rural Tanzanian Population and Effects of Moringa-Supplemented Probiotic Yogurt. Appl Environ Microbiol. 2015 Aug;81(16):4965-75.

Kaur R, Aiken C, Morrison LC, Rao R, Del Bigio MR, Rampalli S, Werbowetski-Ogilvie T. OTX2 exhibits cell context-dependent effects on cellular and molecular properties of human embryonic neural precursors and medulloblastoma cells. Dis Model Mech. 2015 Aug 15 [Epub ahead of print]

Farhan SMK, Wang J, Robinson JF, Prasad AN, Rupar CA, Siu VM, FORGE Canada Consortium, Hegele RA. Old gene, new phenotype: mutations in heparan sulfate synthesis enzyme, EXT2 leads to seizure and developmental disorder, no exostoses. J Med Genet. 2015 Aug 5; 52:666-675.

de Oliveira Santos AR, Perri AM, da Graça Stupiello Andrietta M, Rosa CA, Lachance M-A. The expanding large-spored Metschnikowia clade: Metschnikowia matae sp. nov., a yeast species with two varieties from the Brazilian Atlantic Forest. Antonie Van Leeuwenhoek. 2015 July 28 [Epub ahead of print]

Hutchenreuther J, Vincent KM, Carter DE, Postovit LM, Leask A. CCN2 expression by tumor stroma is required for melanoma metastasis. J Invest Dermatol. 2015 Jul 13 [Epub ahead of print]

Gariepy TD, Bruin A, Haye T, Milonas P, Vetek G. Occurrence and genetic diversity of new populations of *Halyomorpha halys* in Europe. J Pest Sci. 2015 May 29. [Epub ahead of print]

Boutros PC, Fraser M, Harding NJ, de Borja R, Trudel D, Lalonde E, Meng A, Hennings-Yeomans PH, McPherson A, Sabelnykova VY, Zia A, Fox NS, Livingstone J, Shiah Y, Wang J, Beck TA, Have CL, Chong T, Sam M, Johns J, Timms L, Buchner N, Wong A, Watson JD, Simmons TT, P'ng C, Zafarana G, Nguyen F, Luo X, Chu KC, Prokopec SD, Sykes J, Dal Pra A, Berlin A, Brown A, Chan-Seng-Yue MA, Yousif F, Denroche RE, Chong LC, Chen GM, Jung E, Fung C, Starmans MHW, Chen H, Govind SK, Hawley J, D'Costa A, Pintilie M, Waggott D, Hach F, Lambin P, Muthuswamy LB, Cooper C, Eeles R, Neal D, Tetu B, Sahinalp C, Stein LD, Fleshner N, Shah SP, Collins CC, Hudson TJ, McPherson JD, van der Kwast T, Bristow RG. Spatial genomic heterogeneity within localized, multifocal prostate cancer. Nat Genet. 2015 May 25. [Epub ahead of print]

Divi UK, Rahman T, Krishna P. Gene expression and functional analyses in brassinosteroid-mediated stress tolerance. Plant Biotechnol J. 2015 May 14. [Epub ahead of print]

Renkema JM, Telfer Z, Gariepy T, Hallett RH. *Dalotia coriaria* as a predator of Drosophila suzukii: functional responses, reduced fruit infestation and molecular diagnostics. Biol Control. 2015 May 8. [Epub ahead of print]

Kuk H, Hutchenreuther J, Murphy-Marshman H, Carter D, Leask A. 5Z-7-Oxozeanol Inhibits the Effects of TGFβ1 on Human Gingival Fibroblasts. PLoS One. 2015 Apr 30;10(4):e0123689

Alnaseri H, Arsic B, Schneider J, Kaiser JC, Scinocca ZC, Heinrichs DE, McGavin MJ. Inducible expression of a resistance-nodulation-division-type efflux pump in Staphylococcus aureus provides resistance to linoleic and arachidonic acids. J Baceriol. 2015 Mar 23. [Epub ahead of print]

Blom C, Deller BL, Fraser DD, Patterson EK, Martin CM, Young B, Liaw PC, Yazdan-Ashoori P, Ortiz A, Webb B, Kilmer G, Carter DE, Cepinskas G. Human severe sepsis cytokine mixture increases β2-integrin-dependent polymorphonuclear leukocyte adhesion to cerebral microvascular endothelial cells in vitro. Crit Care. 2015 Apr 7;19(1):149

Hegele RA, Ban MR, Cao H, McIntyre AD, Robinson JF, Wang J. Targeted next-generation sequencing in monogenic dyslipidemias. Curr Opin Lipidol. 2015 Apr;26(2):103-13.

Goneau LW, Hannan TJ, MacPhee RA, Schwartz DJ, Macklaim JM, Gloor GB, Razvi H, Reid G, Hultgren SJ, Burton JP. Subinhibitory Antibiotic Therapy Alters Recurrent Urinary Tract Infection Pathogenesis through Modulation of Bacterial Virulence and Host Immunity. mBio. 2015 Mar-Apr; 6(2): e00356-15.

Dube JB, Wang J, Cao H, McIntyre A, Johansen CT, Hopkins SE, Stringer R, Hosseinzadeh S, Kennedy BA, Ban MR, Young TK, Connelly PW, Dewailly E, Bjerregaard P, Boyer BB, Hegele RA. Common low-density lipoprotein receptor p.G116S variant has a large effect on plasma low-density lipoprotein cholesterol in Circumpolar Inuit Populations. Circ Cardiovasc Genet 2015; 8:100-105.

Cutler GC, Gariepy TD, De Silva ECA. High rates of parasitism of blueberry spanworm (Lepidoptera Geometridae) by Ichneumonidae and Tachinidae in commercial lowbush blueberry fields. J Pest Sci. 2015 Feb 14 [Epub ahead of print]

Lee JB, Graham M, Collins TJ, Lee JH, Hong SH, McNicol A, Shapovalova Z, Bhatia M. Reversible Lineage-specific Priming of Human Embryonic Stem Cells

Can Be Exploited to Optimize the Yield of Differentiated Cells. Stem Cells. 2015 Jan 15 [Epub ahead of print]

2014 (26)

Rahat-Rozenbloom S, Fernandes J, Gloor GB, Wolever TMS. Evidence for Greater Production of Colonic Short Chain Fatty Acids in Overweight than Lean Humans. Int J Obes. 2014 Dec; 38(12):1525-1531.

Christie DA, Xu LS, Turkistany SA, Solomon LA, Li SKH, Welch Ian, Bell GI, Hess DA, DeKoter RP. PU.1 opposes IL-7-dependent proliferation of developing B cells with involvement of the direct target gene bruton tyrosine kinase. J Immunol. 2014 Nov 4 [Epub ahead of print]

Levy MA, Kernohan KD, Jiang Y, Bérubé NG. ATRX promotes gene expression by facilitating transcriptional elongation through guanine-rich coding regions. Hum Mol Genet. 2014 Dec 1 [Epub ahead of print]

Zai CC, Gonçalves V, Tiwari AK, Gagliano SA, Hosang G, de Luca V, Shaikh SA, King N, Chen Q, Xu W, Strauss J, Breen G, Lewis CM, Farmer AE, McGuffin P, Knight J, Vincent JB, Kennedy JL. A genome-wide association study of suicide severity scores in bipolar disorder. J Psychiatr Res. 2014 Nov 20 [Epub ahead of print]

Gunaratne A, Chan E, El-Chabib TH, Carter D, DiGuglielmo GM. aPKC alters TGFB response in NSCLC cells via both Smad-dependent and Smad-independent pathways. J Cell Sci. 2014 Dec 12 [Epub ahead of print]

Bisanz JE, Enos MK, Mwanga JR, Changalucha J, Burton JP, Gloor GB, Reid G. Randomized Open-Label Pilot Study of the Influence of Probiotics and the Gut Microbiome on Toxic Metal Levels in Tanzanian Pregnant Women and School Children. Mbio. 2014 Oct.7;5(5)e:01580-14.

Farhan SMK, Robinson JF, McIntyre AD, Marrosu MG, Ticca AF, Carboni N, Hegele RA. A novel LIPE nonsense mutation found by exome sequencing in siblings with late-onset familial partial lipodystrophy. Can J Cardiol. 2014 Sep 16 [Epub ahead of print]

Brace C, Gloor GB, Ropeleski M, Allen-Vercoe E, Petrof EO. Microbial composition analysis of Clostridium difficile infections in an ulcerative colitis patient treated with multiple fecal microbiota transplantations. J Crohns Colitis. 2014 Sep;8(9):1133-7.

McAllister RG, Liu J, Woods MW, Tom SK, Rupar CA, Barr SD. Lentivector Integration Sites in Ependymal Cells From a Model of Metachromatic Leukodystrophy: Non-B DNA as a New Factor Influencing Integration. Mol Ther nucleic Acids. 2014 Aug 26;3:e187 [Epub ahead of print]

Bisanz JE, Seney S, McMillan A, a Vongsa R, Koenig D, Wong L, Dvoracek B, Gloor GB, Sumarah M, Ford B, Herman D, Burton JP, Reid G. A Systems Biology Approach Investigating the Effect of Probiotics on the Vaginal Microbiome and Host Responses in a Double Blind, Placebo-Controlled Clinical Trial of Post-Menopausal Women. PLoS One. 2014 Aug 15;9(8):e104511 [Epub ahead of print]

Skowronki K, Andrews J, Roddenhiser DI, Coomber BL. Genome-Wide Analysis in Human Colorectal Cancer Cells Reveals Ischemia-Mediated Expression of Motility Genes via DNA Hypomethylation. PLoS One. 2014 Jul 31;9(7)e:103243

Wolfs, JM, DaSilva M, Meister SE, Wang X, Schild-Poulter C, Edgell DR. MegaTevs: single-chain dual nucleases for efficient gene disruption. Nucleic Acids Res. 2014 Jul 10 [Epub ahead of print]

Urbaniak C, McMillan A, Angelini M, Gloor GB, Sumarah M, Burton JP, Reid G. Effect of chemotherapy on the microbiota and metabolome of human milk, a case report. Microbiome. 2014 Jul;2(24)

McMurrough TA, Dickson RJ, Thibert SMF, Gloor GB, Edgell DR. Control of catalytic efficiency by a coevolving network of catalytic and noncatalytic residues. Proc Natl Acad Sci USA. 2014 Jun 10; 111(23): E2376-E2383.

Zhurov V, Navarro M, Bruinsma KA, Arbona V, Santamaria ME, Cazaux M, Wybouw N, Osborne EJ, Ens C, Rioja C, Vermeirssen V, Rubio-Somoza I, Krishna P, Diaz I, Schmid M, Gómez-Cadenas A, Van de Peer Y, Grbic M, Clark RM, Van Leeuwen T, Grbic V. Reciprocal responses in the interaction between Arabidopsis and the cell-content-feeding chelicerate herbivore spider mite. Plant Physiol. 2014 Jan;164(1):384-99.

Mitchell R, Szabo E, Shapovalova Z, Aslostovar L, Makondo K, Bhatia M. Molecular evidence for OCT4 induced plasticity in adult human fibroblasts required for direct cell fate conversion to lineage specific progenitors. Stem Cells. 2014 Apr 16. [Epub ahead of print]

Ziliotto R, Gruca MR, Podder S, Noel G, Ogle CK, Hess DA, DeKoter RP. PU.1 promotes cell cycle exit in the murine myeloid lineage associated with downregulation of E2F1. Exp Hematol. 2014 Mar;42(3):204-217.

Urbaniak C, Cummins J, Brackstone M, Macklaim JM, Gloor GB, Baban CK, Scott L, O'Hanlon DM, Burton JP, Francis KP, Tangney M, Reid G. Bacterial microbiota of human breast tissue. 2014 Mar 7. [Epub ahead of print]

Noor A, Lionel AC, Cohen-Woods S, Moghimi N, Rucker J, Fennell A, Thiruvahindrapuram B, Kaufman L, Degagne B, Wei J, Parikh SV, Muglia P, Forte J, Scherer SW, Kennedy JL, Xu W, McGuffin P, Farmer A, Strauss J, Vincent JB. Copy number variant study of bipolar disorder in Canadian and UK populations

implicates synaptic genes. Am J Med Genet B Neuropsychiatr. 2014 Apr 3. [Epub ahead of print]

Rosenthal M, Aiello A, Chenoweth C, Goldberg D, Larson E, Gloor G, Foxman B. Impact of Technical Sources of Variation on the Hand Microbiome Dynamics of Healthcare Workers. PLoS One. 2014 Feb 14 [Epub ahead of print]

Johansen CT, Dube JB, Loyzer MN, Macdonald A, Carter DE, McIntyre AD, Cao H, Wang J, Robinson JF, Hegele RA. LipidSeq: a next-generation clinical resequencing panel for monogenic dyslipidemias. J Lipid Res. 2014 Apr;55(4):765-72

Guo F, Carter DE, Leask A. miR-218 regulates focal adhesion kinase-dependent TGFβ signaling in fibroblasts. Mol Biol Cell. 2014 Apr;25(7):1151-8

Sacks FM, Stanesa M, Hegele RA. Severe hypertriglyceridemia with pancreatitis: Thirteen years' treatment with lomitapide. JAMA Intern Med 2014 Mar;174:443-447.

Mantha K, Laufer BI, Singh S. Molecular Changes during Neurodevelopment following Second-Trimester Binge Ethanol Exposure in a Mouse Model of Fetal Alcohol Spectrum Disorder: From Immediate Effects to Long-Term Adaptation. Dev Neurosci. 2014 Jan 24 [Epub ahead of print]

Xu W, Cohen-Woods S, Chen Q, Noor A, Knight J, Hosang G, Parikh SV, De Luca V, Tozzi F, Muglia P, Forte J, McQuillin A, Hu P, Gurling HM, Kennedy JL, McGuffin P, Farmer A, Strauss J, Vincent JB. Genome-wide association study of bipolar disorder in Canadian and UK populations corroborates disease loci including SYNE1 and CSMD1. BMC Med Genet. 2014 Jan 4;15(1). [Epub ahead of print]

Rosenthal M, Aiello A, Larson E, Chenoweth C, Foxman B. Healthcare workers' hand microbiome may mediate carriage of hospital pathogens. Pathogens 2014, 3, 1-13.

2013 (18)

Zhou L, Zang G, Zhang G, Wang H, Zhang X, Johnston N, Min W, Luke P, Jevnikar A, Haig A, Zheng X. MicroRNA and mRNA signatures in ischemia reperfusion injury in heart transplantation. PLoS One. 2013 Nov 20. [Epub ahead of print]

Mellor P, Deibert L, Calvert B, Bonham K, Carlsen SA, Anderson DH. CREB3L1 is a metastasis suppressor that represses expression of genes regulating metastasis, invasion and angiogenesis. Mol Cell Biol. 2013 Oct 14. [Epub ahead of print]

Gariepy TD, Haye T, Fraser H, Zhang J. Occurrence, genetic diversity, and potential pathways of entry of *Halyomorpha halys* in newly invaded areas of Canada and Switzerland. J Pest Sci. 2013 Sep 12. [Epub ahead of print]

Prtenjaca A, Tarnowski HE, Marr AM, Heney MA, Creamer L, Sathiamoorthy S, Hill KA. Relatively high rates of G:C → A:T transitions at CpG sites werte observed in certain epithelial tissues including pancreas and submaxillary gland of adult big blue® mice. Environ Mol Mutagen. 2013 Sep 17. [Epub ahead of print]

Gariepy TD, Haye T, Zhang J. A molecular diagnostic tool for the preliminary assessment of host-parasitoid associations in biological control programmes for a new invasive pest. Mol Ecol. 2013 Sept 16. [Epub ahead of print]

Cox AR, Beamish CA, Carter DE, Arany EJ, Hill DJ. Cellular mechanisms underlying failed beta cell regeneration in offspring of protein-restricted pregnant mice. Exp Biol Med. 2013 Oct. 1;238(10):1147-59.

Xu H, Belkacemi L, Jog M, Parrent A, Hebb MO. Neurotrophic factor expression in expandable cell populations from brain samples in living patients with Parkinson's disease. FASEB J. 2013 Jul 2 [Epub ahead of print]

Guo F, Hutchenreuther J, Carter DE, Leask A. TAK1 is required for dermal wound healing and homeostasis. J Invest Dermatol. 2013 Jun;133(6):1645-54

Laufer BI, Mantha K, Kleiber ML, Diehl EJ, Addison SMF, Singh SM. Long lasting alterations to DNA methylation and ncRNAs may underlie the effects of fetal alcohol exposure. Dis Model Mech. 2013 Jul-Aug;6(4):977-92

Morrison, LC, McClelland R, Aiken C, Bridges M, Liang L, Wang X, Di Curzio D, Del Bigio MR, Taylor MD, Werbowetski-Ogilvie TE. Deconstruction of modular cellular heterogeneity reveals differences between the most highly invasive and self-renewing phenotypes. Neoplasia. 2013 Apr;15(4):384-98.

Kleinstiver BP, Wolfs JM, Edgell DR. The monomeric GIY-YIG homing endonuclease I-Bmol uses a molecular anchor and a flexible tether to sequentially nick DNA. Nucleic Acids Res. 2013 May 1;41(10):5413-27.

Campagna L, Van Coeverden de Groot PJ, Saunders BL, Atkinson SN, Weber DS, Dyck MG, Boag PT, Lougheed SC. Extensive sampling of polar bears (*Ursus maritimus*) in the Northwest Passage (Canadian Arctic Archipelago) reveals population differentiation across multiple spatial and temporal scales. Ecol Evol. 2013 Aug 3 [Epub ahead of print]

Gillio-Meina C, Cepinskas G, Cerrhini EL, Fraser DD. Translational Research in Pediatrics II: Blood Collection, Processing, Shipping, and Storage. Pediatrics. 2013 Apr;131(4):754-66.

Kleiber ML, Mantha K, Stringer RL, Singh SM. Neurodevelopmental alcohol exposure elicits long-term changes to gene-expression that alter distinct molecular pathways dependent on timing exposure. J Neurodev Disord. 2013 Mar 13;5(1):6.

Lougheed SC, Campagna L, Davila JA, Tubaro PL, Lijtmaer DA, Handford P. Continental phylogeography of an ecologically and morphologically diverse neotropical songbird, zonotrichia capensis. BMC Evol Biol. 2013 Mar 1;13(1):58.

Coughlan N, Thillainadesan G, Andrews J, Isovic M, Torchia J. B-estradiol-dependent activation of the Jak/Stat pathway requires p/CIP and CARM1. Biochim Biophys Acta. 2013 Jun;1833(6):1463-75.

Gunaratne A, Thai BL, Di Guglielmo GM. Atypical PKC phosphorylates Par6 and facilitates TGFB-induced EMT. Mol Cell Biol. 2013 Mar;33(5):874-86

Petrof EO, Gloor GB, Vanner SJ, Weese SJ, Carter D, Daigneault MC, Brown EM, Schroeter K, Allen-Vercoe E. Stool substitute transplant therapy for the eradication of *Clostridium difficile* infection: 'RePOOPulating' the gut. Microbiome 2013, 1:3.

2012 (12)

Zhurov, V, Stead JD, Merali Z, Palkovits M, Faludi G, Schild-Poulter C, Anisman H, Poulter MO. Molecular pathway reconstruction and analysis of disturbed gene expression in depressed individuals who died by suicide. PLoS One. 2012:7(10):e47581.

Atabakhsh E, Wang JH, Wang X, Carter DE, Schild-Poulter C. RanBPM expression regulates transcriptional pathways involved in development and tumorigenesis. Am J Cancer Res. 2012;2(5):549-65.

Hooker L., Smoczer C., Khosrowshahian F., Wolanski M. Crawford M.J. Microarray based identification of Pitx3 targets during *Xenopus* embryogenesis. Dev Dyn. 2012 Sep;241(9):1487-505.

Roy A, Lara A, Guimaraes D, Pires R, Gomes ER, Carter DE, Gomez MV, Guatimosim S, Prado VF, Prado MAM, Gros R. An Analysis of the Myocardial Transcriptome in a Mouse Model of Cardiac Dysfunction with Decreased Cholinergic Neurotransmission. PLoS One. 2012;7(6):e39997

Judah D, Rudkouskaya A, Wilson R, Carter DE, Dagnino L. Multiple roles of integrin-linked kinase in epidermal development, maturation and pigmentation revealed by molecular profiling. PLoS One. 2012;7(5):e36704

Campagna L, St.Clair JJH, Lougheed SC, Woods RW, Imberti S, Tubaro PL. Divergence between passerine populations from the Malvinas – Falkland Islands and their continental counterparts: a comparative phylogeographical study. Biol J Linn Soc Lond. 2012 Aug;106(4):865-79

Khan MA, Rafiq MA, Noor A, Hussain S, Flores JV, Rupp V, Vincent AK, Malli R, Ali G, Khan FS, Ishak GE, Doherty D, Weksberg R, Ayub M, Windpassinger C, Ibrahim S, Frye M, Ansar M, Vincent JB. Mutation in *NSUS2*, which encodes an RNA methyltransferase, causes autosomal-recessive intellectual disability. Am J Hum Genet. 2012 May 4;90(5):856-63.

Lagares D, Busnadiego O, Garcia-Fernandez RA, Kapoor M, Liu S, Carter DE, Abraham D, Shi-Wen X, Carreira P, Fontaine BA, Shea BS, Tager AM, Leask A, Lamas S, Rodriguez-Pascual F. Inhibition of focal adhesion kinase prevents experimental lung fibrosis and myofibroblast formation. Arthritis Rheum. 2012 May;64(5):1653-64.

Kleiber ML, Laufer BI, Wright E, Diehl EJ, Singh SM. Long-term alterations to the brain transcriptome in a maternal voluntary consumption model of fetal alcohol spectrum disorders. Brain Res. 2012 June 6;1458:18-33.

Bell GI, Meschino MT, Hughes-Large JM, Broughton HC, Xenocostas A, Hess DA. Combinatorial human progenitor cell transplantation optimizes islet regeneration through secretion of paracrine factors. Stem Cells Dev. 2012 Jul 20;21(11):1863-76.

Rentas S, Saberianfar R, Grewal C, Kanippayoor R, Mishra M, McCollum D, Karagiannis J. (2012) The SET domain protein, Set3p, promotes the reliable execution of cytokinesis in Schizosaccharomyces pombe. PLoS ONE 2012;7(2):e31224.

Basel-Vanagaite L, Zevit N, Zahav AH, Guo L, Parathath S, Pasmanik-Chor M, McIntyre AD, Wang J, Albin-Kaplanski A, Hartman C, Marom D, Zeharia A, Badir A, Shoerman O, Simon AJ, Rechavi G, Shohat M, Hegele RA, Fisher EA, Shamir R. Transient Infantile Hypertriglyceridemia, Fatty Liver, and Hepatic Fibrosis Caused by Mutated GPD1, Encoding Glycerol-3-Phosphate Dehydrogenase 1. Am J Hum Genet. 2012 Jan 13;90(1):49-60.

2011 (20)

Hummelen R, Macklaim JM, Bisanz JE, Hammond J, McMillan A, Vongsa R, Koenig D, Gloor GB, Reid G. Vaginal microbiome and epithelial gene array in post-menopausal women with moderate to severe dryness. PLoS One. 2011;6(11)e26602.

Guo F, Carter DE, Mukhopadhyay A, Leask A. Gingival fibroblasts display reduced adhesion and spreading on extracellular matrix: a possible basis for scarless tissue repair. PLoS One. 2011; 6(11)

Wiit H, Mack SC, Ryzhova M, Bender S, Sill M, Isserlin R, Benner A, Hielscher T, Milde T, Remke M, Jones DTW, Northcott PA, Garzia L, Bertrand KC, Wittmann A, Yao Y, Roberts SS, Massimi L, Meter TV, Weiss WA, Gupta N, Grajkowska W, Lach B, Cho YJ, von Deimling A, Kulozik AE, Witt O, Bader GD, Hawkins CE, Tabori U, Guha A, Rutka JT, Lichter P, Korshunov A, Taylor MD, Pfister SM. Delineation of two critically and molecularly distinct subgroups of posterior fossa ependymoma. Cancer Cell. 2011 Aug 16;20(2):143-57

Fajardo OA, Thompson K, Parapuram SK, Liu S, Leask A. Mithramycin reduces expression of fibro-proliferative mRNAs in human gingival fibroblasts. Cell Prolif. 2011 Apr;44(2):166-73

Park JS, Hughes SJ, Cunningham FKM, Hammond JR. Identification of Cysteines Involved in the Effects of Methanethiosulfonate Reagents on Human Equilibrative Nucleoside Transporter 1. Mol Pharmacol. 2011 Oct;80(4):735-46

Golding MC, Magri LS, Zhang L, Lalone SA, Higgins MJ, Mann MRW. Depletion of *Kcnq1ot1* non-coding RNA does not affect imprinting maintenance in stem cells. 2011 Sep;138(17):3667-78

Campagna L, Geale K, Handford P, Lijtmaer DA, Tubaro PL, Lougheed SC. A molecular phylogeny of the Sierra-Finches (*Phrygilus*, Passeriformes): Extreme polyphyly in a group of Andean specialists. Mol Phylogenet Evol. 2011 Nov;61(2):521-33.

Price ER, Bauchinger U, Zajac DM, Cerasale DJ, McFarlan JT, Gerson AR, McWilliams SR, Guglielmo CG. Migration- and exercise-induced changes to flight muscle size in migratory birds and association with IGF1 and myostatin mRNA expression. J Exp Biol. 2011 Sep 1;214(Pt 17):2823-31.

Hussain M, Golovan SP, Rupa P, Mine Y, Boermans HJ, Karrow NA. Spleen transcriptome profiles of BALB/c mouse in response to egg ovomucoid sensitization and challenge. Food Agric Immunol. 2011 Oct 17;1-20.

Maiti S, Kumar KHBG, Castellani CA, O'Reilly R, Singh SM. Ontogenetic *De Novo* Copy Number Variations (CNVs) as a Source of Genetic Individuality: Studies on Two Families with MZD Twins for Schizophrenia. PLoS One. 2011; 6(3): e17125.

Yin F, Pajak A, Chapman R, Sharpe A, Huang S, Marsolais F. Analysis of common bean expressed sequence tags identifies sulfur metabolic pathways active in seed and sulfur-rich proteins highly expressed in the absence of phaseolin and major lectins. BMC Genomics. 2011; 12: 268.

Lahiry P, Lee LJ, Frey BJ, Rupar CA, Siu VM, Blencowe BJ, Hegele RA. Transcriptional Profiling of Endocrine Cerebro-Osteodysplasia Using Microarray and Next-Generation Sequencing. PLoS One. 2011; 6(9): e25400.

Lee TK, Murthy SRK, Cawley NX, Dhanvantari S, Hewitt SM, Lou H, Lau T, Ma S, Huynh T, Wesley RA, Ng IO, Pacak K, Poon RT, Loh YP. An N-terminal truncated carboxypeptidase E splice isoform induces tumor growth and is a biomarker for predicting future metastasis in human cancers. J Clin Invest. 2011 March 1; 121(3): 880–892.

Saberianfar R, Cunningham-Dunlop S, Karagiannis J. Global Gene Expression Analysis of Fission Yeast Mutants Impaired in Ser-2 Phosphorylation of the RNA Pol II Carboxy Terminal Domain. PLos One. 2011;6(9):e24694.

Valiyeva F, Jiang F, Elmaadawi A, Moussa M, Yee SP, Raptis L, Izawa JI, Yang BB, Greenberg NM, Wang F, Xuan JW. Characterization of the oncogenic activity of the novel TRIM59 gene in mouse cancer models. Mol Cancer Ther. 2011 Jul;10(7):1229-40

Frontini MJ, Nong Z, Gros R, Drangova M, O'Neil C, Rahman MN, Akawi O, Yin H, Ellis CG, Pickering JG. Fibroblast growth factor 9 delivery during angiogenesis produces durable, vasoresponsive microvessels wrapped by smooth muscle cells. Nat Biotechnol. 2011 May;29(5):421-7.

Guo F, Carter DE, Leask A. Mechanical tension increases CCN2/CTGF expression and proliferation in gingival fibroblasts via a TGFB-dependent mechanism. PloS One. 2011;6(5)

Steele MA, Vandervoot G, AlZahal O, Hook SE, Matthews JC, McBride BW. Rumen epithelial adaptation to high-grain diets involves the coordinated regulation of genes involved in cholesterol homeostasis. Physiol Genomics. 2011 Mar 29;43(6):308-16

Yazdan-Ashoori P, Liaw P, Toltl L, Webb B, Kilmer G, Carter DE, Fraser DD. Elevated plasma matrix metalloproteinases and their tissue inhibitors in patients with severe sepsis. J Crit Care. 2011 Dec;26(6):556-65.

Yeung M, Balma-Mena A, Shear N, Simor A, Pope E, Walsh S, McGavin M. Identification of major clonal complexes and toxin producing strains among *Staphylococcus aureus* associated with atopic dermatitis. Microbes Infect. 2011 Feb;13(2):189-97

2010 (12)

Borradaile NM, Pickering JG. Polyploidy impairs human aortic endothelial cell function and is prevented by nicotinamide phosphoribosyltransferase. Am J Physiol Cell Physiol. 2010 Jan;298(1):C66-74

Yang G, Wu L, Bryan S, Khaper N, Mani S, Wang R. Cystathionine gamma-lyase deficiency and overproliferation of smooth muscle cells. Cardiovasc Res. 2010 Jun 1;86(3):487-95

Ibuki M, Kovacs-Nolan J, Fukui K, Kanatani H, Mine Y. Analysis of gut immune-modulating activity of beta-1,4-mannobiose using microarray and real-time reverse transcription polymerase chain reaction. Poult Sci. 2010 Sep;89(9):1894-904

Shankar J, Messenberg A, Chan J, Underhill TM, Foster LJ, Nabi IR. Pseudopodial Actin Dynamics Control Epithelial-Mesenchymal Transition in Metastatic Cancer Cells. Cancer Res. 2010 May 1:70(9):3780-90

Souter LH, Andrews JD, Zhang G, Cook AC, Postenka CO, Al-Katib W, Leong HS, Rodenhiser DI, Chambers AF, Tuck AB. Human 21T breast epithelial cell lines mimic breast cancer progression in vivo and in vitro and show stage-specific gene expression patterns. Lab Invest. 2010 Aug;90(8):1247-58

Siu VM, Ratko S, Prasad AN, Prasad C, Rupar A. Amish microcephaly: long-term survival and biochemical characterization. Am J Med Genet A. 2010 Jul;152A(7):1747-51

Karamboulas K, Dranse HJ, underhill TM. Regulation of BMP-dependent chondrogenesis is early limb mesenchyme by TGFB signals. J Cell Sci. 2010 Jun 15:123(Pt 12):2723-34.

Ranathunge K, Shao S, Qutob D, Gijzen M, Peterson CA, Bernards MA. Properties of the soybean seed coat cuticle change during development. Planta. 2010 Apr;231(5):1171-88.

Oakes GH, Bend JR. Global changes in gene regulation demonstrate that unconjugated bilirubin is able to upregulate and activate select components of the endoplasmic reticulum stress response pathway. J Biochem mol Toxicol. 2010 Mar-Apr;24(2):73-88.

Szereszewski JM, Pampillo M, Ahow MR, Offermanns S, Bhattacharya M, Babwah AV. GPR54 Regulates ERK1/2 Activity and Hypothalamic Gene Expression in a $G\alpha_{q/11}$ and β-Arrestin-Dependent Manner. PLoS One. 2010; 5(9): e12964.

Johansen CT, Wang J, Lanktree MB, Cao H, McIntyre AD, Ban MR, Martins RA, Kennedy BA, Hassell RG, Visser ME, Schwartz SM, Voight BF, Elosua R, Salomaa

V, O'Donnell CJ, Dallinga-Thie GM, Anand SS, Yusuf S, Huff MW, Kathiresan S, Hegele RA. Mutation skew in genes identified by genome-wide association study of hypertriglyceridemia. Nat Genet. 2010 Aug; 42(8):684-7.

Andrews J, Kenette W, Pilon J, Hodgson A, Tuck AB, Chambers AF, Rodenhiser DI. Multi-platform whole-genome microarray analyses refine the epigenetic signature of breast cancer metastasis with gene expression and copy number. PLoS One. 2010 Jan 13;5(1):e8665

2009 (17)

Rajakumar C, Ban MR, Cao H, Young TK, Bjerregaard P, Hegele RA. Carnitine palmitoyltransferase IA polymorphism P479L is common in Greenland Inuit and is associated with elevated plasma apolipoprotein A-I. J Lipid Res. 2009 Jun;50(6):1223-8.

Mir A, Kaufman L, Noor A, Motazacker MM, Jamil T, Azam M, Kahrizi K, Rafiq MA, Weksberg R, Nasr T, Naeem F, Tzschach A, Kuss AW, Ishak GE, Doherty D, Ropers HH, Barkovich AJ, Najmabadi H, Ayub M, Vincent JB. Identification of Mutations in *TRAPPC9*, which Encodes the NIK- and IKK-β-Binding Protein, in Nonsyndromic Autosomal-Recessive Mental Retardation. Am J Hum Genet. 2009 December 11; 85(6): 909–915.

Lanktree MB, Fantus IG, Hegele RA. Triple X syndrome in a patient with lipodystrophy discovered using a high-density oligonucleotide microarray: a case report. J Med Case Reports. 2009 Aug 12;3:8867.

Pandit TS, Kennette W, Mackenzie L, Zhang G, Al-Katib W, Andrews J, Vantyghem SA, Ormond DG, Allan AL, Rodenhiser DI, Chambers AF, Tuck AB. Lymphatic metastasis of breast cancer cells is associated with differential gene expression profiles that predict cancer stem cell-like properties and the ability to survive, establish and grow in a foreign environment. Int J Oncol. 2009 Aug;35(2):297-308.

Cavanagh PC, Dunk C, Pampillo M, Szereszewski JM, Taylor JE, Kahiri C, Han V, Lye S, Bhattacharya M, babwah AV. Gonadotropin-releasing hormone-regulated chemokine expression in human placentation. Am J Physiol Cell Physiol. 2009 Jul;297(1):C17-27.

Dong S, Qutob D, Tedman-Jones J, Kuflu K, Wang Y, Tyler BM, Gijzen M. The Phytophthora sojae avirulence locus Avr3c encodes a multi-copy RXLR effector with sequence polymorphisms among pathogen strains. PLoS One. 2009;4(5):e5556.

Qutob D, Tedman-Jones J, Dong S, Kuflu K, Pham H, Wang Y, Dou D, Kale SD, Arredondo FD, Tyler BM, Gijzen M. Copy number variation and transcriptional polymorphisms of Phytophthora sojae RXLR effector genes Avr1a and Avr3a. PLoS One. 2009;4(4):e5066.

Edmondson AC, Brown RJ, Kathiresan S, Cupples LA, Demissie S, Manning AK, Jensen Mk, Rimm EB, Wang J, Rodriques A, Bamba V, Khetarpal SA, Wolfe ML, Derohannessian S, Li M, Reilly MP, Aberle J, Evans D, Hegele RA, Rader DJ. Loss-of-function variants in endothelial lipase are a cause of elevated HDL cholesterol in humans. J Clin Invest. 2009 Apr;119(4):1042-50

Roscoe WA, Welsh ME, Carter DE, Karlik SJ. VEGF and angiogenesis in acute and chronic MOG(35-55) peptide induced EAE. J Neuroimmunol. 2009 Apr 30;209(1-2):6-15.

Gris P, Tighe A, Thawer S, Hemphill A, Oatway M, Weaver L, Dekaban GA, Brown A. Gene expression profiling in anti-CD11d mAb-treated spinal cord-injured rats. J Neuroimmunol. 2009 Apr 30;209(1-2):104-13.

Rockel JS, Bernier SM, Leask A. Egr-1 inhibits the expression of extracellular matrix genes in chondrocytes by TNFalpha-induced MEK/ERK signalling. Arthitis Res Ther. 2009;11(1):R8.

Attur MG, Palmer GD, Al-Mussawir HE, Dave M, Teixeira CC, Rifkin DB, Appleton CTG, Beier F, Abramson SB. F-spondin, a neuroregulatory protein, is up-regulated in osteoarthritis and regulates cartilage metabolism via TFG-β activation. Faseb J. 2009 Jan;23(1):79-89.

Estilo CL, O-Charoenrat P, Talbot S, Socci N, Carlson DL, Ghossein R, Williams T, Yonekawa Y, Ramanathan Y, Boyle JO, Kraus DH, Patel S, Shaha AR, Wong RJ, Huryn JM, Shah JP, Singh B. Oral tongue cancer gene expression profiling: Identification of novel potential prognosticators by oligonucleotide microarray analysis. BMC Cancer. 2009 Jan 12;9(1):11

Shi-wen X, Parapuram S, Pala D, Chen Y, Carter DE, Eastwood M, Denton CP, Abraham DJ, Leask A. Requirement of transforming growth factor β-activated kinase 1 for transforming growth factor β-induced α-smooth muscle actin expression and extracellular matrix contraction in fibroblasts. Arthritis Rheum. 2009 Jan; 60(1):234-41.

Singh SM, Castellani CA, O'Reilly RL. Copy number variation showers in schizophrenia: an emerging hypothesis. Mol Psychiatry. 2009 Apr;14(4):356-8.

Viswanathan K, Richardson J, Togonu-Bickersteth B, Dai E, Liu L, Vatsya P, Sun YM, Yu J, Munuswamy-Ramunujam G, Baker H, Lucas AR. Myxoma viral serpin,

Serp-1, inhibits human monocyte adhesion through regulation of actin-binding protein filamin B. J Leukoc Biol. 2009 Mar;85(3):418-26.

Lahiry P, Wang J, Robinson JF, Turowec JP, Litchfield DW,[2] Lanktree MB, Gloor GB, Puffenberger EG, Strauss KA, Martens MB, Ramsay DA, Rupar CA, Siu V, Hegele RA. A Multiplex Human Syndrome Implicates a Key Role for Intestinal Cell Kinase in Development of Central Nervous, Skeletal, and Endocrine Systems. Am J Hum Genet. 2009 February 13; 84(2): 134–147.

2008 (15)

Prasad C, Rosenblatt DS, Corley K, Cairney AEL, Rupar CA. Transcobalamin (TC) deficiency--potential cause of bone marrow failure in childhood. J Inherit Metab Dis. 2008 Dec;31 Suppl 2:S287-92.

Horvath GA, Stockler-Ipsiroglu SG, Salvarinova-Zivkovic R, Lillquist YP, Connolly M, Hyland K, Rupar T, Waters PJ. Autosomal recessive GTP cyclohydrolase I deficiency without hyperphenylalaninemia: evidence of a phenotypic continuum between dominant and recessive forms. Mol Genet Metab. 2008 May;94(1):127-31.

Lanktree M, Hegele RA. Copy number variation in metabolic phenotypes. Cytogenet Genome Res. 2008;123(1-4):169-75.

Levy MA, Fernandes AD, Tremblay DC, Seah C, Berube NG. The SWI/SNF protein ATRX co-regulates pseudoautosomal genes that have translocated to autosomes in the mouse genome. BMC Genomics. 2008 Oct 8;9:468

Solomon LA, Berube NG, Beier F. Transcriptional regulators of of chondrocyte hypertrophy. Birth Defects Res C. 2008; 84:123-130.

Yang K, Guan H, Arany E, Hill DJ, Cao X. Neuropeptide Y is produced in visceral adipose tissue and promotes proliferation of adipocyte precursor cells *via* the Y1 receptor. Faseb J. 2008 July; 22: 2452-64.

Stuart HC, Messenberg A, Joshi B, Underhill TM, Moukhles H, Nabi IR. Localized Rho GTPase regulates RNA dynamics and compartmentalization in tumour cell protrusions. J Biol Chem. 2008 Dec. 12;;283(50):34785-95.

Thillainadesan G, Isovic M, Loney E, Andrews J, Tini M, Torchia J. Genome analysis identifies the p15ink4b tumour suppressor as a direct target of the ZNF217Corest complex. Mol Cell Biol. 2008 Oct;28(19):6066-77.

Rodenhiser DI, Andrews J, Kennette W, Sadikovic B, Mendlowitz A, Tuck AB, Chambers AF. Epigenetic mapping and functional analysis in a breast cancer

metastasis model using whole-genome promoter tiling arrays. Breast Cancer Res. 2008;10(4):R62

Dahn A, Saunders S, Hammond JA, Carter D, Kirjavainen P, Anukam K, Reid G. Effect of bacterial vaginosis, *Lactobacillus* and Premarin estrogen replacement therapy on vaginal gene expression changes. Microbes Infect. 2008 May 10;(6):620-7.

Kennedy L, Shiw-Wen X, Carter DE, Abraham DJ, Leask A. Fibroblast adhesion results in the induction of a matrix remodeling gene expression program. Matrix Biol. 2008 May;27(4):274-81.

Pala D, Kapoor M, Woods A, Kennedy L, Liu S, Chen S, Bursell L, Lyons KM, Carter DE, Beier F, Leask A. FAK/SRC suppresses early chondrogenesis: central role of CCN2. J Biol Chem. 2008 Apr 4:283(14):9239-47.

Chen Y, Leask A, Abraham DJ, Pala D, Shiwen X, Khan K, Liu S, Carter DE, Wilcox-Adelman S, Goetinck P, Denton CP, Black CM, Pitsillides AA, Sarraf CE, Eastwood M. Heparan sulfate-dependent ERK activation contributes to the overexpression of fibrotic proteins and enhanced contraction by scleroderma fibroblasts. Arthritis Rheum. 2008 Feb; 58(2):577-85.

Sadikovic B, Andrews J, Carter D, Robinson J, Rodenhiser DI. Genome-wide H3K9 histone acetylation profiles are altered in benzopyrene treated MCF7 breast cancer cells. J. Biol. Chem. 2008 Feb 15;283(7):4051-60.

Kirjavainen PV, Laine RM, Carter DE, Hammond J, Reid G. Expression of anti-microbial defense factors in vaginal mucosa following exposure to Lactobacillus rhamnosus GR-1. International Journal of Probiotics and Prebiotics. [Accepted Feb. 24, 2008]

2007 (10)

Sadikovic B, Andrews J, Rodenhiser DI. DNA methylation analysis using CpG microarrays is impaired by benzopyrene exposed cells. Toxicol Appl Pharmacol. 2007 Dec 15;225(3):300-309.

Chen S, McLean S, Carter DE, Leask A. The gene expression profile induced by Wnt 3a in NIH 3T3 fibroblasts. J Cell Commun Signal. 2007 Dec;1(3-4):175-83.

Gris P, Tighe A, Levin D, Sharma R, Brown A. Transcriptional regulation of scar gene expression in primary astrocytes. Glia. 2007 Aug 15;55(11):1145-55.

Shi-Wen X, Renzoni EA, Kennedy L, Howat S, Chen Y, Pearson JD, Bou-Gharios G, Dashwood MR, du Bois RM, Black CM, Denton CP, Abraham DJ,

Leask A. Endogenous endothelin-1 signaling contributes to type I collagen and CCN2 overexpression in fibrotic fibroblasts. Matrix Biol. 2007 Oct;26(8):625-32.

Liu S, Shi-Wen X, Kennedy L, Pala D, Chen Y, Eastwood M, Carter DE, Black CM, Abraham DJ, Leask A. FAK Is Required for TGF{beta] -induced Phosphoylation in Fibroblasts: Implications for Acquisition of a Matrix Remodeling Phenotype. Mol Biol Cell. 2007 Jun;18(6):2169-2178.

James CG, Ulici V, Tuckermann J, Underhill TM, Beier F. Expression profiling of Dexamethasone-treated primary chondrocytes identifies targets of glucocorticoid signaling in endochondral bone development. BMC Genomics. 2007 Jul 1;8:205.

Appleton CT, Pitelka V, Henry J, Beier F. Global analyses of gene expression in early experimental osteoarthritis. Arthritis Rheum. 2007 Jun;56(6):1854-68

Kennedy L, Liu S, Shi-Wen X, Eastwood M, Carter DE, Lyons KM, Black CM, Abraham DJ, Leask A. CCN2 is necessary for the function of mouse embryonic fibroblasts. Exp Cell Res. 2007 Mar 10;313(5):952-64.

Agoston H, Khan S, James CG, Gillespie JR, Serra R, Stanton LA, Beier F. C-type natriuretic peptide regulates endochondral bone growth through p38 MAP kinase-dependent and independent pathways. BMC Dev Biol. 2007 Mar 20;7:18.

Dhaubhadel S, Gijzen M, Moy P, Farhanqkhoee M. Transciptome analysis reveals a critical role of CHS7 and CHS8 genes for isoflavonoid synthesis in soybean seeds. Plant Physiol. 2007 Jan; 143(1):326-38.

2006 (8)

James CG, Woods A, Underhill TM, Beier F. The transcription factor ATF3 is upregulated during chondrocyte differentiation and represses cyclin D1 and A gene transcription. BMC Mol Biol. 2006 Sep 19;7:30.

O'Gorman DB, Wu Y, Seney S, Zhu RD, Gan BS. Wnt Expression is not correlated with beta-catenin dysregulation in Dupuytren's Disease. J. Negat Results Biomed. 2006 Aug 30;5:13.

Chang WY, Andrews J, Carter DE, Dagnino L. Differentiation and injury-repair signals modulate the interaction of E2F and pRB proteins with novel target genes in Keratinocytes. Cell Cycle. 2006 Aug 15;5(16).

Hoffman LM, Garcha K, Karamboulas K, Cowan MF, Drysdale LM, Horton WA, Underhill TM. BMP action in skeletogenesis involves attenuation of retinoid signaling. J Cel Biol. 2006 Jul 3;174(1):101-103.

Shi-Wen X, Stanton L, Kennedy L, Pala D, Chen Y, Howat SL, Renzoni EA, Carter DE, Bou-Gharios G, Stratton R, Pearson JD, Beier F, Lyons KM, Black CM, Abraham DJ, Leask A. CCN2 is necessary for adhesive responses to TGFbeta 1 in embryonic fibroblasts. J Biol Chem. 2006 Apr 21;281(16):10715-26.

Gijzen M, Kuflu K, Moy P. Gene amplification of the Hps locus in Glycine max. BMC Plant Biol. 2006 Mar 14;6:6.

Gros R, Ding Q, Chorazyczewski J, Andrews J, Pickering JG, Hegele RA, Feldman RD. The impact of blunted beta-adrenergic responsiveness on growth regulatory pathways in hypertension. Mol Pharmacol. 2006 Jan;69(1):317-27.

Viswanathan K, Liu L, Vaziri S, Dai E, Richardson J, Togonu-Bickersteth B, Vatsya P, Christov A, Lucas AR. Myxoma viral serpin, Serp-1, a unique interceptor of coagulation and innate immune pathways. Thromb Haemost. 2006 Mar;95(3):499-510.

2005 (10)

Wang J, Ban MR, Hegele RA. Multiplex ligation-dependent probe amplification of LDLR enhances molecular diagnosis of familial hypercholesterolemia. J Lipid Res. 2005 Feb;46(2):366-72

Gabril MY, Duan W, Wu G, Moussa M, Izawa JI, Panchal CJ, Sakai H, Xuan JW. A novel knock-in prostate cancer model demonstrates biology similar to that of human prostate cancer and suitable for preclinical studies. Mol Ther. 2005 Mar;11(3):348-62.

Mutiu AI, Brandl CJ. RNA isolation from yeast using silica matrices. J Biomol Tech. 2005 Dec; 16(4): 316-7.

James CG, Appleton CT, Ulici V, Underhill TM, Beier F. Microarray Analysis of Gene Expression during Chondrocyte Differentiation Identifies Novel Regulators of Hypertrophy. Mol Biol Cell. 2005 Nov;16(11):5316-33.

Martin MA, Bhatia M. Analysis of the Human Fetal Liver Hematopoietic Microenvironment. Stem Cells Dev. 2005 Oct 14; 14(5): 493-504.

McGirr R, Ejbick CE, Carter DE, Andrews JD, Nie Y, Friedman TC, Dhanvantari S. Glucose Dependence of the Regulated Secretory Pathway in {alpha}TC1-6 Cells. Endocrinology. 2005 Oct; 146(10):4514-23.

Carter DE, Robinson JF, Allister EM, Huff MW, Hegele RA. Quality assessment of microarray experiments. Clin Biochem. 2005 Jul;38(7):639-42.

Wang L, Menendez P, Shojaei F, Li L, Mazurier F, Dick JE, Cerdan C, Levac K, Bhatia M. Generation of hematopoietic repopulating cells from human embryonic stem cells independent of ectopic HOXB4 expression. J Exp Med. 2005 May 16;201(10):1603-14.

Shojaei F, Trowbridge J, Gallacher L, Yuefei L, Goodale D, Karanu F, Levac K, Bhatia M. Hierarchical and ontogenic positions serve to define the molecular basis of human hematopoietic stem cell behavior. Dev Cell. 2005 May;8(5):651-63.

Chadwick K, Shojaei F, Gallacher L, Bhatia M. Smad7 alters cell fate decisions of human hematopoietic repopulating cells. Blood. 2005 Mar 1;105(5):1905-15.

2004 (5)

Guan H, Arany E, van Beek JP, Chamson-Reig A, Thyssen S, Hill DJ, Yang K. Adipose tissue gene expression profiling reveals distinct molecular pathways that define visceral adiposity in the offspring of maternal protein restricted rats. Am J Physiol Endocrinol Metab. 2005 Apr;288(4):E663-73.

McKinney JL, Murdoch DJ, Wang J, Robinson J, Biltcliffe C, Khan HM, Walker PM, Savage J, Skerjanc I, Hegele RA. Venn analysis as part of a bioinformatic approach to prioritize expressed sequence tags from cardiac libraries. Clin Biochem. 2004 Nov; 37(11):953-60.

Moy P, Qutob D, Chapman BP, Atkinson I, Gijzen M. Patterns of gene expression upon infection of Soybean plants by Phytopthora sojae. Mol Plant Microbe Interact. 2004 Oct; 17(10):1051-1062.

Wang L, Li L, Shojaei F, Levac K, Cerdan C, Menendez P, Martin T, Rouleau A, Bhatia M. Endothelial and hematopoietic cell fate of human embryonic stem cells originates from primitive endothelium with hemangioblastic properties. Immunity. 2004 Jul;21(1):31-41.

Wang J, Robinson JF, Khan HM, Carter DE, McKinney J, Miskie BA, Hegele RA. Optimizing RNA extraction yield from whole blood for microarray gene expression analysis. Clin Biochem. 2004 Sep; 37(9):741-4.

2003 (2)

Gris P, Murphy S, Jacob JE, Atkinson I, Brown A. Differential gene expression profiles in embryonic, adult-injured and adult-uninjured rat spinal cords. Mol Cell Neurosci. 2003 Nov;24(3):555-67.

Brunetti CR, Amano H, Ueda Y, Qin J, Miyamura T, Suzuki T, Li X, Barrett JW, McFadden G. Complete genomic sequence and comparative analysis of the

tumorigenic poxvirus Yaba Monkey Tumor Virus. J Virol. 2003 Dec;77(24)13335-47