

2019 Dec

[Parallel Reaction Monitoring reveals structure-specific ceramide alterations in the zebrafish.](#) Zhang T, Trauger SA, Vidoudez C, Doane KP, Pluimer BR, **Peterson RT**. Sci Rep. 2019 Dec 27;9(1):19939. doi: 10.1038/s41598-019-56466-z.

[A prospective evaluation of pegylated interferon alfa-2a therapy in patients with polycythemia vera and essential thrombocythemia with a prior splanchnic vein thrombosis.](#) Mascarenhas J, Kosiorek H, **Prchal J**, Yacoub A, Berenzon D, Baer MR, Ritchie E, Silver RT, Kessler C, Winton E, Finazzi MC, Rambaldi A, Vannucchi AM, Leibowitz D, Rondelli D, Arcasoy MO, Catchatourian R, Vadakara J, Rosti V, Hexner E, Kremyanskaya M, Sandy L, Tripodi J, Najfeld V, Farnoud N, Salama ME, Weinberg RS, Rampal R, Goldberg JD, Mesa R, Dueck AC, Hoffman R. Leukemia. 2019 Dec;33(12):2974-2978. doi: 10.1038/s41375-019-0524-7. Epub 2019 Jul 30. No abstract available. PMID:31363161

[JAK2 ex13InDel drives oncogenic transformation and is associated with chronic eosinophilic leukemia and polycythemia vera.](#) Patel AB, Franzini A, Leroy E, Kim SJ, Pomicter AD, Genet L, Xiao M, Yan D, Ahmann JM, Agarwal AM, Clair P, Addada J, Lambert J, Salmon M, Gleich GJ, Cross NCP, Constantinescu SN, O'Hare T, **Prchal JT**, Deininger MW. Blood. 2019 Dec 26;134(26):2388-2398. doi: 10.1182/blood.2019001385. PMID:31697804

[Universal Principled Review: A Community-Driven Method to Improve Peer Review.](#) Krummel M, Blish C, Kuhns M, Cadwell K, Oberst A, Goldrath A, Ansel KM, Chi H, **O'Connell R**, Wherry EJ, Pepper M; Future Immunology Consortium. Cell. 2019 Dec 12;179(7):1441-1445. doi: 10.1016/j.cell.2019.11.029. PMID:31835023

[Regulation of Tumor Initiation by the Mitochondrial Pyruvate Carrier.](#) Bensard CL, Wisidagama DR, Olson KA, Berg JA, Krah NM, Schell JC, Nowinski SM, Fogarty S, Bott AJ, Wei P, Dove KK, Tanner JM, Panic V, Cluntun A, Lettlova S, Earl CS, Namnath DF, Vázquez-Arreguín K, Villanueva CJ, **Tantin D**, Murtaugh LC, Evason KJ, Ducker GS, Thummel CS, **Rutter J**. Cell Metab. 2019 Dec 5. pii: S1550-4131(19)30609-6. doi: 10.1016/j.cmet.2019.11.002. [Epub ahead of print] PMID:31813825

[Erythroferrone lowers hepcidin by sequestering BMP2/6 heterodimer from binding to the BMP type I receptor ALK3.](#) Wang CY, Xu Y, Traeger L, Dogan DY, Xiao X, Steinbicker AU, **Babitt JL**. Blood. 2019 Dec 4. pii: blood.2019002620. doi: 10.1182/blood.2019002620. [Epub ahead of print] No abstract available. PMID:31800957

[Absence of severe neonatal ABO hemolytic disease at Intermountain Healthcare. Why?](#) Baer VL, Hulse W, Bahr TM, Ilstrup SJ, **Christensen RD**. J Perinatol. 2019 Dec 3. doi: 10.1038/s41372-019-0553-0. [Epub ahead of print] No abstract available. PMID:31796840

[Overexpression of the peroxin Pex34p suppresses impaired acetate utilization in yeast lacking the mitochondrial aspartate/glutamate carrier Aqc1p.](#) Chalermwat C, Thosapornvichai T, Wongkittichote P, **Phillips JD**, **Cox JE**, Jensen AN, Wattanasirichaigoon D, Jensen LT. FEMS Yeast Res. 2019 Dec 1;19(8). pii: foz078. doi: 10.1093/femsyr/foz078. PMID:31711143

2019 Nov

[Heme biosynthesis and the porphyrias.](#) **Phillips JD.** Mol Genet Metab. 2019 Nov;128(3):164-177. doi: 10.1016/j.ymgme.2019.04.008. Epub 2019 Apr 22. Review. PMID:31326287

[Endothelial Bmp2 knockout exacerbates hemochromatosis in Hfe knockout mice but not Bmp6 knockout mice.](#) Xiao X, Dev S, Canali S, Bayer A, Xu Y, Agarwal A, Wang CY, **Babitt JL.** Hepatology. 2019 Nov 28. doi: 10.1002/hep.31048. [Epub ahead of print] PMID:31778583

[Iron chelation and 2-oxoglutarate-dependent dioxygenase inhibition suppress mantle cell lymphoma's cyclin D1.](#) Babosova O, Kapralova K, Raskova Kafkova L, Korinek V, Divoky V, **Prchal JT,** Lanikova L. J Cell Mol Med. 2019 Nov;23(11):7785-7795. doi: 10.1111/jcmm.14655. Epub 2019 Sep 13. PMID:31517438

[Neonates with suspected microangiopathic disorders: performance of standard manual schistocyte enumeration vs. the automated fragmented red cell count.](#) Bahr TM, Judkins AJ, **Christensen RD,** Baer VL, Henry E, Minton SD, Gerday E, Bennett ST. J Perinatol. 2019 Nov;39(11):1555-1561. doi: 10.1038/s41372-019-0482-y. Epub 2019 Aug 28. PMID:31462723

[Results of a pilot study of isoniazid in patients with erythropoietic protoporphyria.](#) **Parker CJ, Desnick RJ,** Bissel MD, Bloomer JR, Singal A, Gouya L, Puy H, Anderson KE, Balwani M, **Phillips JD.** Mol Genet Metab. 2019 Nov;128(3):309-313. doi: 10.1016/j.ymgme.2019.07.017. Epub 2019 Jul 31. PMID:31395332

[Mitoferrin-1 is required for brain energy metabolism and hippocampus-dependent memory.](#) Baldauf L, Endres T, Scholz J, Kirches E, **Ward DM,** Lessmann V, Borucki K, Mawrin C. Neurosci Lett. 2019 Nov 20;713:134521. doi: 10.1016/j.neulet.2019.134521. Epub 2019 Sep 26. PMID:31563673

[Absence of HIF1A Leads to Glycogen Accumulation and an Inflammatory Response That Enables Pancreatic Tumor Growth.](#) Maruggi M, Layng FI, Lemos R Jr, Garcia G, James BP, Sevilla M, Soldevilla F, Baaten BJ, de Jong PR, **Koh MY,** Powis G. Cancer Res. 2019 Nov 15;79(22):5839-5848. doi: 10.1158/0008-5472.CAN-18-2994. Epub 2019 Oct 4. PMID:31585939

[Structural insights into heme binding to IL-36 \$\alpha\$  proinflammatory cytokine.](#) Wißbrock A, Goradia NB, Kumar A, Paul George AA, Kühl T, Bellstedt P, Ramachandran R, Hoffmann P, Galler K, Popp J, Neugebauer U, Hampel K, Zimmermann B, Adam S, Wiendl M, Krönke G, **Hamza I,** Heinemann SH, Frey S, Hueber AJ, Ohlenschläger O, Imhof D. Sci Rep. 2019 Nov 15;9(1):16893. doi: 10.1038/s41598-019-53231-0. PMID:31729440

[The Human-Specific BOLA2 Duplication Modifies Iron Homeostasis and Anemia Predisposition in Chromosome 16p11.2 Autism Individuals.](#) Giannuzzi G, Schmidt PJ, Porcu E, Willemin G, Munson KM, Nuttle X, Earl R, Chrast J, Hoekzema K, Risso D, Männik K, De

Nittis P, Baratz ED; 16p11.2 Consortium, Herault Y, Gao X, **Philpott CC**, Bernier RA, Kutalik Z, Fleming MD, Eichler EE, Raymond A. *Am J Hum Genet.* 2019 Nov 7;105(5):947-958. doi: 10.1016/j.ajhg.2019.09.023. Epub 2019 Oct 24. PMID:31668704

[Evaluating the Patient-Reported Outcomes Measurement Information System scales in acute intermittent porphyria.](#) Naik H, Overbey JR, Montgomery GH, Winkel G, Balwani M, Anderson KE, Bissell DM, Bonkovsky HL, **Phillips JD**, Wang B, McGuire B, Keel S, Levy C, Erwin A, **Desnick RJ**. *Genet Med.* 2019 Nov 6. doi: 10.1038/s41436-019-0683-y. [Epub ahead of print] PMID:31690837

[The fragmented red cell count can support the diagnosis of a microangiopathic neonatal condition.](#) Bahr TM, Judkins AJ, Baer VL, Henry E, Grubb PH, Hulse W, Pysher TJ, Bennett ST, **Christensen RD**. *J Perinatol.* 2019 Nov 6. doi: 10.1038/s41372-019-0552-1. [Epub ahead of print] No abstract available. PMID:31695135

[Response to interferon treatment in essential thrombocythemia with inv\(3\)\(q21q26\).](#) Gangaraju R, Carroll AJ, **Prchal JT**. *Ann Hematol.* 2019 Nov 1. doi: 10.1007/s00277-019-03805-9. [Epub ahead of print] No abstract available. PMID:31676985

2019 Oct

[Evaluating emergency-release blood transfusion of newborn infants at the Intermountain Healthcare hospitals.](#) Bahr TM, DuPont TL, Christensen TR, Rees T, O'Brien EA, Ilstrup SJ, **Christensen RD**. *Transfusion.* 2019 Oct;59(10):3113-3119. doi: 10.1111/trf.15495. Epub 2019 Sep 3. PMID:31479169

[First report of using low-titer cold-stored type O whole blood in massive postpartum hemorrhage.](#) Bahr TM, DuPont TL, Morris DS, Pierson SE, Esplin MS, Brown SM, O'Brien EA, Ilstrup SJ, **Christensen RD**. *Transfusion.* 2019 Oct;59(10):3089-3092. doi: 10.1111/trf.15492. Epub 2019 Aug 30. PMID:31469450

[Pegylated interferon alfa-2a for polycythemia vera or essential thrombocythemia resistant or intolerant to hydroxyurea.](#) Yacoub A, Mascarenhas J, Kosiorek H, **Prchal JT**, Berenzon D, Baer MR, Ritchie E, Silver RT, Kessler C, Winton E, Finazzi MC, Rambaldi A, Vannucchi AM, Leibowitz D, Rondelli D, Arcasoy MO, Catchatourian R, Vadakara J, Rosti V, Hexner E, Kremyanskaya M, Sandy L, Tripodi J, Najfeld V, Farnoud N, Papaemmanuil E, Salama M, Singer-Weinberg R, Rampal R, Goldberg JD, Barbui T, Mesa R, Dueck AC, Hoffman R. *Blood.* 2019 Oct 31;134(18):1498-1509. doi: 10.1182/blood.2019000428. PMID:31515250

[Experimental Modeling of Myeloproliferative Neoplasms.](#) Lanikova L, Babosova O, **Prchal JT**. *Genes (Basel).* 2019 Oct 15;10(10). pii: E813. doi: 10.3390/genes10100813. Review. PMID:31618985

2019 Sep

[Proteolytic Activation of Bmps: Analysis of Cleavage in Xenopus Oocytes and Embryos.](#) Kim HS, McKnite A, **Christian JL**. *Methods Mol Biol.* 2019;1891:115-133. doi: 10.1007/978-1-4939-8904-1\_9. PMID: 30414129

[BMP7 functions predominantly as a heterodimer with BMP2 or BMP4 during mammalian embryogenesis.](#) Kim HS, Neugebauer J, McKnite A, Tilak A, **Christian JL**. Elife. 2019 Sep 30;8:e48872. doi: 10.7554/eLife.48872. PMID: 31566563

[A PCBP1-BoIA2 chaperone complex delivers iron for cytosolic \[2Fe-2S\] cluster assembly.](#) Patel SJ, Frey AG, Palenchar DJ, Achar S, Bullough KZ, Vashisht A, Wohlschlegel JA, **Philpott CC**. Nat Chem Biol. 2019 Sep;15(9):872-881. doi: 10.1038/s41589-019-0330-6. Epub 2019 Aug 12. PMID:31406370

[NHR-14 loss of function couples intestinal iron uptake with innate immunity in \*C. elegans\* through PQM-1 signaling.](#) Rajan M, Anderson CP, Rindler PM, Romney SJ, Ferreira Dos Santos MC, Gertz J, **Leibold EA**. Elife. 2019 Sep 18;8. pii: e44674. doi: 10.7554/eLife.44674. PMID:31532389

[EXPLORE: A Prospective, Multinational, Natural History Study of Patients with Acute Hepatic Porphyria with Recurrent Attacks.](#) Gouya L, Ventura P, Balwani M, Bissell DM, Rees DC, Stölzel U, **Phillips JD**, Kauppinen R, Langendonk JG, **Desnick RJ**, Deybach JC, Bonkovsky HL, **Parker C**, Naik H, Badminton M, Stein PE, Minder E, Windyga J, Bruha R, Cappellini MD, Sardh E, Harper P, Sandberg S, Aarsand AK, Andersen J, Alegre F, Ivanova A, Talbi N, Chan A, Querbes W, Ko J, Penz C, Liu S, Lin T, Simon A, Anderson KE. Hepatology. 2019 Sep 12. doi: 10.1002/hep.30936. [Epub ahead of print] PMID:31512765

[Mitochondrial PE potentiates respiratory enzymes to amplify skeletal muscle aerobic capacity.](#) Heden TD, Johnson JM, Ferrara PJ, Eshima H, Verkerke ARP, Wentzler EJ, Siripoksup P, Narowski TM, Coleman CB, Lin CT, Ryan TE, Reidy PT, de Castro Brás LE, Karner CM, Burant CF, Maschek JA, **Cox JE**, Mashek DG, Kardon G, Boudina S, Zeczycki TN, **Rutter J**, Shaikh SR, Vance JE, Drummond MJ, Neuffer PD, Funai K. Sci Adv. 2019 Sep 11;5(9):eaax8352. doi: 10.1126/sciadv.aax8352. eCollection 2019 Sep. PMID:31535029

[A Low Iron Diet Protects from Steatohepatitis in a Mouse Model.](#) Salaye L, Bychkova I, Sink S, Kovalic AJ, Bharadwaj MS, Lorenzo F, Jain S, Harrison AV, Davis AT, Turnbull K, Meegalla NT, Lee SH, Cooksey R, Donati GL, Kavanagh K, Bonkovsky HL, **McClain DA**. Nutrients. 2019 Sep 10;11(9). pii: E2172. doi: 10.3390/nu11092172. PMID:31510077

2019 Aug

[Transcription factor Oct1 protects against hematopoietic stress and promotes acute myeloid leukemia.](#) Jafek JL, Shakya A, Tai PY, Ibarra A, Kim H, Maddox J, Chumley J, Spangrude GJ, Miles RR, Kelley TW, **Tantin D**. Exp Hematol. 2019 Aug;76:38-48.e2. doi: 10.1016/j.exphem.2019.07.002. Epub 2019 Jul 8. PMID:31295506

[Knowing When to Let Go: Lysosomes Regulate Inter-Mitochondrial Tethering.](#) English AM, **Hughes AL**. Dev Cell. 2019 Aug 5;50(3):259-260. doi: 10.1016/j.devcel.2019.07.019. PMID:31386859

[Rsp5 and Mdm30 reshape the mitochondrial network in response to age-induced vacuole stress.](#) Goodrum JM, Lever AR, Coody TK, Gottschling DE, **Hughes AL**. Mol Biol Cell. 2019

Aug 1;30(17):2141-2154. doi: 10.1091/mbc.E19-02-0094. Epub 2019 May 29.  
PMID:31141470

2019 July

[Targeting a ceramide double bond improves insulin resistance and hepatic steatosis.](#) Chaurasia B, Tippetts TS, Mayoral Monibas R, Liu J, Li Y, Wang L, Wilkerson JL, Sweeney CR, Pereira RF, Sumida DH, Maschek JA, Cox JE, Kaddai V, Lancaster GI, Siddique MM, Poss A, Pearson M, Satapati S, Zhou H, McLaren DG, Previs SF, Chen Y, Qian Y, Petrov A, Wu M, Shen X, Yao J, Nunes CN, Howard AD, Wang L, Erion MD, **Rutter J**, Holland WL, Kelley DE, Summers SA. *Science*. 2019 Jul 26;365(6451):386-392. doi: 10.1126/science.aav3722. Epub 2019 Jul 4. PMID:31273070

[T cell-mediated regulation of the microbiota protects against obesity.](#) Petersen C, Bell R, Klag KA, Lee SH, Soto R, Ghazaryan A, Buhrke K, Ekiz HA, Ost KS, Boudina S, **O'Connell RM**, **Cox JE**, Villanueva CJ, Stephens WZ, Round JL. *Science*. 2019 Jul 26;365(6451). pii: eaat9351. doi: 10.1126/science.aat9351. PMID:31346040

[Impaired skeletal muscle mitochondrial pyruvate uptake rewires glucose metabolism to drive whole-body leanness.](#) Sharma A, Oonthonpan L, Sheldon RD, Rauckhorst AJ, Zhu Z, Tompkins SC, Cho K, Grzesik WJ, Gray LR, Scerbo DA, Pawa AD, Cushing EM, Dyle MC, **Cox JE**, Adams C, Davies BS, Shields RK, Norris AW, Patti G, Zingman LV, Taylor EB. *Elife*. 2019 Jul 18;8. pii: e45873. doi: 10.7554/eLife.45873. PMID:31305240

[Thrombotic risk in congenital erythrocytosis due to up-regulated hypoxia sensing is not associated with elevated hematocrit.](#) Gordeuk VR, Miasnikova GY, Sergueeva AI, Lorenzo FR, Zhang X, Song J, Stockton DW, **Prchal JT**. *Haematologica*. 2019 Jul 9. pii: haematol.2019.216267. doi: 10.3324/haematol.2019.216267. [Epub ahead of print] PMID:31289208

2019 June

[Redox Regulation of the Mitochondrial Quality Control Protease Oma1.](#) Bohovych I, Dietz JV, Swenson S, Zahayko N, **Khalimonchuk O**. *Antioxid Redox Signal*. 2019 Jun 18. doi: 10.1089/ars.2018.7642. [Epub ahead of print] PMID:31011300

[Growth Factor Independence 1B-Mediated Transcriptional Repression and Lineage Allocation Require Lysine-Specific Demethylase 1-Dependent Recruitment of the BHC Complex.](#) McClellan D, Casey MJ, Bareyan D, Lucente H, Ours C, Velinder M, Singer J, Lone MD, Sun W, Coria Y, Mason CC, **Engel ME**. *Mol Cell Biol*. 2019 Jun 13;39(13). pii: e00020-19. doi: 10.1128/MCB.00020-19. Print 2019 Jul 1. PMID:30988160

2019 May

[Ferritin in serum and urine: A pilot study.](#) Bahr TM, **Christensen RD**, **Ward DM**, Meng F, Jackson LK, Doyle K, Christensen DR, Harvey AG, Yaish HM. *Blood Cells Mol Dis*. 2019 May;76:59-62. doi: 10.1016/j.bcmed.2019.02.001. Epub 2019 Feb 8. PMID:30777730

[Phase evolution of conversion-type electrode for lithium ion batteries.](#) Li J, Hwang S, **Guo F**, Li S, Chen Z, Kou R, Sun K, Sun CJ, Gan H, Yu A, Stach EA, Zhou H, Su D. *Nat Commun.* 2019 May 20;10(1):2224. doi: 10.1038/s41467-019-09931-2. PMID:31110173

[Activation of PASK by mTORC1 is required for the onset of the terminal differentiation program.](#) Kikani CK, Wu X, Fogarty S, Kang SAW, Dephore N, Gygi SP, Sabatini DM, **Rutter J**. *Proc Natl Acad Sci U S A.* 2019 May 21;116(21):10382-10391. doi: 10.1073/pnas.1804013116. Epub 2019 May 9. PMID:31072927

[Hypoxia-Associated Factor \(HAF\) Mediates Neurofibromin Ubiquitination and Degradation Leading to Ras-ERK Pathway Activation in Hypoxia.](#) Green YS, Sargis T, Reichert EC, Rudasi E, Fuja D, Jonasch E, **Koh MY**. *Mol Cancer Res.* 2019 May;17(5):1220-1232. doi: 10.1158/1541-7786.MCR-18-1080. Epub 2019 Jan 31. PMID:30705246

[International Porphyria Molecular Diagnostic Collaborative: an evidence-based database of verified pathogenic and benign variants for the porphyrias.](#) Chen B, Whatley S, Badminton M, Aarsand AK, Anderson KE, Bissell DM, Bonkovsky HL, Cappellini MD, Floderus Y, Friesema ECH, Gouya L, Harper P, Kauppinen R, Loskove Y, Martásek P, **Phillips JD**, Puy H, Sandberg S, Schmitt C, To-Figueras J, Weiss Y, Yasuda M, Deybach JC, **Desnick RJ**. *Genet Med.* 2019 May 10. doi: 10.1038/s41436-019-0537-7. [Epub ahead of print] PMID:31073229

[Glycogen Synthase Kinase-3 \$\alpha\$  Promotes Fatty Acid Uptake and Lipotoxic Cardiomyopathy.](#) Nakamura M, Liu T, Husain S, Zhai P, Warren JS, Hsu CP, Matsuda T, Phiel CJ, **Cox JE**, Tian B, Li H, Sadoshima J. *Cell Metab.* 2019 May 7;29(5):1119-1134.e12. doi: 10.1016/j.cmet.2019.01.005. Epub 2019 Feb 7. PMID:30745182

[Oct1/Pou2f1 is selectively required for colon regeneration and regulates colon malignancy.](#) Vazquez-Arreguin K, Bensard C, Schell JC, Swanson E, Chen X, **Rutter J**, **Tantin D**. (2019) *PLoS Genetics.* 2019 May 6;15(5):e1007687. PMID:31059499

2019 Apr

[Re-evaluation of hematocrit as a determinant of thrombotic risk in erythrocytosis.](#) Gordeuk VR, Key NS, **Prchal JT**. *Haematologica.* 2019 Apr;104(4):653-658. doi: 10.3324/haematol.2018.210732. Epub 2019 Mar 14. PMID:30872370

[Proteolytic regulation of mitochondrial dynamics.](#) Dietz JV, Bohovych I, Viana MP, **Khalimonchuk O**. *Mitochondrion.* 2019 Apr 25. pii: S1567-7249(19)30047-9. doi: 10.1016/j.mito.2019.04.008. [Epub ahead of print] Review. PMID:31029640

[Development of a symptom assessment in patients with myelofibrosis: qualitative study findings.](#) Mesa RA, Su Y, Woolfson A, **Prchal JT**, Turnbull K, Jabbour E, Scherber R, Shields AL, Krohe M, Ojo F, Pompilus F, Cappelleri JC, Harrison C. *Health Qual Life Outcomes.* 2019 Apr 11;17(1):61. doi: 10.1186/s12955-019-1121-1. PMID:30975150

[Energetic Trade-Offs and Hypometabolic States Promote Disease Tolerance.](#) Ganeshan K, Nikkanen J, Man K, Leong YA, Sogawa Y, Maschek JA, Van Ry T, Chagwedera DN, **Cox**

**JE**, Chawla A. Cell. 2019 Apr 4;177(2):399-413.e12. doi: 10.1016/j.cell.2019.01.050. Epub 2019 Mar 7. PMID:30853215

2019 Feb

[An extracellular histidine-containing motif in the zinc transporter ZIP4 plays a role in zinc sensing and zinc-induced endocytosis in mammalian cells.](#) Chun H, Korolnek T, Lee CJ, Coyne HJ 3rd, **Winge DR**, Kim BE, Petris MJ. J Biol Chem. 2019 Feb 22;294(8):2815-2826. doi: 10.1074/jbc.RA118.005203. Epub 2018 Dec 28. PMID:30593504

[Icariin Protects Bone Marrow Mesenchymal Stem Cells Against Iron Overload Induced Dysfunction Through Mitochondrial Fusion and Fission, PI3K/AKT/mTOR and MAPK Pathways.](#) Yao X, Jing X, Guo J, Sun K, Deng Y, Zhang Y, **Guo F**, Ye Y. Front Pharmacol. 2019 Feb 28;10:163. doi: 10.3389/fphar.2019.00163. eCollection 2019. PMID:30873034

[Harderoporphyria: Case of lifelong photosensitivity associated with compound heterozygous coproporphyrinogen oxidase \(CPOX\) mutations.](#) Moghe A, Ramanujam VMS, **Phillips JD**, **Desnick RJ**, Anderson KE. Mol Genet Metab Rep. 2019 Feb 19;19:100457. doi: 10.1016/j.ymgmr.2019.100457. eCollection 2019 Jun. PMID:30828546

2019 Jan

[Screening umbilical cord blood for congenital Iron deficiency.](#) MacQueen, BC, **Christensen, RD**, Baer VL, **Ward, DM**, Snow GL. (2019). Blood Cells Mol Dis. 77:95-100 PMID: 31005753

[Diagnosing or ruling out polycythemia vera in patients with erythrocytosis.](#) **Prchal JT**. Clin Adv Hematol Oncol. 2019 Jan;17(1):24-27. PMID:30843892

[Identification and characterization of 40 novel hydroxymethylbilane synthase mutations that cause acute intermittent porphyria.](#) Chen B, Solis-Villa C, Erwin AL, Balwani M, Nazarenko I, **Phillips JD**, **Desnick RJ**, Yasuda M. J Inherit Metab Dis. 2019 Jan;42(1):186-194. doi: 10.1002/jimd.12040. PMID: 30740734

[Pilot Study of Novel Intermittent Fasting Effects on Metabolomic and Trimethylamine N-oxide Changes During 24-hour Water-Only Fasting in the FEELGOOD Trial.](#) Washburn RL, **Cox JE**, Muhlestein JB, May HT, Carlquist JF, Le VT, Anderson JL, Horne BD. Nutrients. 2019 Jan 23;11(2). pii: E246. doi: 10.3390/nu11020246. PMID:30678028

[The mitochondrial heme metabolon: Insights into the complex\(ity\) of heme synthesis and distribution.](#) Piel RB 3rd, **Dailey HA Jr**, **Medlock AE**. Mol Genet Metab. 2019 Jan 17. pii: S1096-7192(18)30634-6. doi: 10.1016/j.ymgme.2019.01.006. [Epub ahead of print] Review. PMID:30709775

[Imbalanced sphingolipid signaling is maintained as a core proponent of a cancerous phenotype in spite of metabolic pressure and epigenetic drift.](#) Speirs MMP, Swensen AC, Chan TY, Jones PM, Holman JC, Harris MB, Maschek JA, **Cox JE**, Carson RH, Hill JT,

Andersen JL, Prince JT, Price JC. Oncotarget. 2019 Jan 11;10(4):449-479. doi: 10.18632/oncotarget.26533. eCollection 2019 Jan 11. PMID:30728898

[Homozygous hydroxymethylbilane synthase knock-in mice provide pathogenic insights into the severe neurological impairments present in human homozygous dominant acute intermittent porphyria.](#) Yasuda M, Gan L, Chen B, Yu C, Zhang J, Gama-Sosa MA, Pollak DD, Berger S, **Phillips JD**, Edelman W, **Desnick RJ**. Hum Mol Genet. 2019 Jan 7. doi: 10.1093/hmg/ddz003. [Epub ahead of print] PMID:30615115