

## Publication List – 2020

**Abdallah A, Pappo A, Reiss U, Shulkin BL, Zhuang Z, Pacak K, Bahrami A.** Clinical manifestations of Pacak-Zhuang syndrome in a male pediatric patient.

*Pediatr Blood Cancer* 67:e28096, 2020.

**Abdelsamed HA, Zebley CC, Nguyen H, Rutishauser RL, Fan Y, Ghoneim HE, Crawford JC, Alfei F, Alli S, Ribeiro SP, Castellaw AH, McGargill MA, Jin H, Boi SK, Speake C, Serti E, Turka LA, Busch ME, Stone M, Deeks SG, Sekaly RP, Zehn D, James EA, Nepom GT, Youngblood B.** Beta cell-specific CD8 (+/-) T cells maintain stem cell memory-associated epigenetic programs during type 1 diabetes.

*Nat Immunol* 21:578-587, 2020.

**Abrahao R, Li QW, Malogolowkin MH, Alvarez EM, Ribeiro RC, Wun T, Keegan THM.** Chronic medical conditions and late effects following non-Hodgkin lymphoma in HIV-uninfected and HIV-infected adolescents and young adults: A population-based study.

*Br J Haematol* 190:371-384, 2020.

**Abramovitz L, Afungchwi G, Punjwani R, Sullivan C.** Comment on: An ethical imperative: Safety and specialization as nursing priorities of WHO global initiative for childhood cancer: Advocating for the baseline nursing standards.

*Pediatr Blood Cancer* 67:e28642, 2020.

**Abu-Zaid A.** Coauthors' email addresses: A neglected journal-level measure to uphold authorship integrity in research collaboration.

*Sci Eng Ethics* 26:1879-1880, 2020.

**Acharya S, Liu JF, Tatevossian RG, Chiang J, Qaddoumi I, Gajjar A, Walker D, Harreld J, Merchant TE, Ellison DW.** Risk stratification in pediatric low-grade glioma and glioneuronal tumor treated with radiation therapy: An integrated clinicopathologic and molecular analysis.

*Neuro Oncol* 22:1203-1213, 2020.

**Acosta PL, Byrne AB, Hijano DR, Talarico LB.** Human type I interferon antiviral effects in respiratory and reemerging viral infections.

*J Immunol Res* 2020:1372494, 2020.

**Adewuyi EO, Sapkota Y, International Endogene Consortium Iec, andMe Research Team, International Headache Genetics Consortium Ihgc, Auta A, Yoshihara K, Nyegaard M, Griffiths LR, Montgomery GW, Chasman DI, Nyholt DR.** Shared molecular genetic mechanisms underlie endometriosis and migraine comorbidity.

*Genes (Basel)* 11, 2020.

**Agulnik A, Gossett J, Carrillo AK, Kang G, Morrison RR.** Abnormal vital signs predict critical deterioration in hospitalized pediatric hematology-oncology and post-hematopoietic cell transplant patients.

*Front Oncol* 10:354, 2020.

**Aizire J, Brooks KM, Mirochnick M, Flynn PM, Butler K, Kiser JJ, Siberry GK, Fenton T, Cababasay M, Fowler MG.** Antenatal intracellular concentrations of tenofovir diphosphate and emtricitabine triphosphate and associations between tenofovir diphosphate and severe adverse pregnancy outcomes: IMPAACT-PROMISE (1077BF) trial.

*J Acquir Immune Defic Syndr* 83:173-180, 2020.

**Alberts NM, Badawy SM, Hodges J, Estep JH, Nwosu C, Khan H, Smeltzer MP, Homayouni R, Norell S, Klesges L, Porter JS, Hankins JS.** Development of the InCharge Health mobile app to improve adherence to hydroxyurea in patients with sickle cell disease: User-centered design approach.

*JMIR Mhealth Uhealth* 8:e14884, 2020.

**Alberts NM, Leisenring WM, Flynn JS, Whitton J, Gibson TM, Jibb L, McDonald A, Ford J, Moraveji N, Dear BF, Krull KR, Robison LL, Stinson JN, Armstrong GT.** Wearable respiratory monitoring and feedback for chronic pain in adult survivors of childhood cancer: A feasibility randomized controlled trial from the Childhood Cancer Survivor Study.

*JCO Clin Cancer Inform* 4:1014-1026, 2020.

**Alexeeva V, Aydin IT, Schaniel C, Stranahan AW, D'Souza SL, Bieker JJ.** A human H1-HBB11-GFP reporter embryonic stem cell line (WAe001-A-2) generated using TALEN-based genome editing.

*Stem Cell Res* 45:101837, 2020.

**Ali JS, Andrasik F, Berlin KS, Porter J, Hankins J, Anderson S, Schreiber JE.** Attention difficulties are associated with lower

engagement in adult care amongst youth with sickle cell disease.  
*Br J Haematol* 189:e27-e30, 2020.

**Alinejad M, Pourmoghaddas A, Amouheidari A, Shokrani P.** Improvement of metallic artifacts in computed tomography in the absence of artifact reduction algorithms for spinal treatment planning applications.  
*J Cancer Res Ther* 16:878-883, 2020.

**Allen JM, Niel K, Guo A, Su Y, Zhang H, Angheliescu DL.** Psychosocial factors and psychological interventions: Implications for chronic post-surgical pain in pediatric patients with osteosarcoma.  
*J Clin Psychol Med Settings*, 2020.

**Al-Samkari H, van Beers EJ, Morton DH, Barcellini W, Eber SW, Glader B, Yaish HM, Chonat S, Kuo KHM, Kollmar N, Despotovic JM, Pospisilova D, Knoll CM, Kwiatkowski JL, Pastore YD, Thompson AA, Wlodarski MW, Ravindranath Y, Rothman JA, Wang H, Holzhauser S, Breakey VR, Verhovsek MM, Kunz J, Sheth S, Sharma M, Rose MJ, Bradeen HA, McNaull MN, Addonizio K, Al-Sayegh H, London WB, Grace RF.** Characterization of the severe phenotype of pyruvate kinase deficiency.  
*Am J Hematol* 95:e281-e285, 2020.

**Alschuler KN, Whibley D, Alberts NM, Kaylor M, Kratz AL.** The physical and psychological experience of rowing the North Atlantic solo and unassisted.  
*Wilderness Environ Med* 31:144-150, 2020.

**Amin HM, Morani AC, Daw NC, Lamhamedi-Cherradi SE, Subbiah V, Menegaz BA, Vishwamitra D, Eskandari G, George B, Benjamin RS, Patel S, Song J, Lazar AJ, Wang WL, Kurzrock R, Pappo A, Anderson PM, Schwartz GK, Araujo D, Cuglievan B, Ratan R, McCall D, Mohiuddin S, Livingston JA, Molina ER, Naing A, Ludwig JA.** IGF-1R/mTOR Targeted Therapy for Ewing Sarcoma: A Meta-Analysis of Five IGF-1R-Related Trials Matched to Proteomic and Radiologic Predictive Biomarkers.  
*Cancers (Basel)* 12:1768, 2020.

**Anderson L, Caniza M.** COVID-19 and preventative medicine for HIV infected children.  
*Clin Infect Dis*, 2020.

**Andrews K, Hamers AAJ, Sun X, Neale G, Verbist K, Tedrick P, Nichols KE, Pereira S, Geraghty DE, Pillai AB.** Expansion and CD2/CD3/CD28 stimulation enhance Th2 cytokine secretion of human invariant NKT cells with retained anti-tumor cytotoxicity.  
*Cytotherapy* 22:276-290, 2020.

**Angelidou K, Fowler MG, Flynn P, Coletti A, McCarthy K, Browning R, McIntyre J, Brummel SS, Shapiro DE, Tierney C.** Enrollment and transition challenges in the International Maternal Pediatric and Adolescent AIDS Clinical Trials (IMPAACT) network's PROMISE trial for resource-limited regions.  
*Clin Trials* 17:437-447, 2020.

**Angheliescu DL, Tesney JM, Jeha S, Wright BB, Trujillo L, Sandlund JT, Pauley J, Cheng C, Pei D, Pui CH.** Prospective randomized trial of interventions for vincristine-related neuropathic pain.  
*Pediatr Blood Cancer* 67:e28539, 2020.

**Annu K, Cline C, Yasuda K, Ganguly S, Pesch A, Cooper B, Janke L, Payton M, Mukherjee K, Surman SL, Hurwitz JL, Schuetz EG.** Role of vitamins A and D in BCR-ABL Arf(-/-) acute lymphoblastic leukemia.  
*Sci Rep* 10:2359, 2020.

**Aplenc R, Meshinchi S, Sung L, Alonzo T, Choi J, Fisher B, Gerbing R, Hirsch B, Horton T, Khawash S, Levine J, Loken M, Brodersen L, Pollard J, Raimondi S, Kolb EA, Gamis A.** Bortezomib with standard chemotherapy for children with acute myeloid leukemia does not improve treatment outcomes: A report from the Children's Oncology Group.  
*Haematologica* 105:1879-1886, 2020.

**Arias AV, Garza M, Murthy S, Cardenas A, Diaz F, Montalvo E, Nielsen KR, Kortz T, Sharara-Chami R, Friedrich P, McArthur J, Agulnik A.** Quality and capacity indicators for hospitalized pediatric oncology patients with critical illness: A modified Delphi consensus.  
*Cancer Med* 9:6984-6995, 2020.

**Assadi A, Alzubaidi A, Lesmana H, Brennan RC, Saad A, Ortiz-Hernández V, Gleason JM.** Pure bladder malignant rhabdoid tumor successfully treated with partial cystectomy, radiation, and chemotherapy: A case report and review of the literature.  
*J Pediatr Hematol Oncol*, 2020.

**Assmus LM, Guan J, Wu T, Farenc C, Sng YXX, Zareie P, Nguyen A, Nguyen AT, Tschärke DC, Thomas PG, Rossjohn J, Gras S, Croft NP, Purcell AW, La Gruta NL.** Overlapping peptides elicit distinct CD8(+) T cell responses following influenza A virus infection.

*J Immunol* 205:1731-1742, 2020.

**Atun R, Bhakta N, Denburg A, Frazier AL, Friedrich P, Gupta S, Lam CG, Ward ZJ, Yeh JM, Allemani C, Coleman MP, Di Carlo V, Loucaides E, Fitchett E, Girardi F, Horton SE, Bray F, Steliarova-Foucher E, Sullivan R, Aitken JF, Banavali S, Binagwaho A, Alcasabas P, Antillon F, Arora RS, Barr RD, Bouffet E, Challinor J, Fuentes-Alabi S, Gross T, Hagander L, Hoffman RI, Herrera C, Kutluk T, Marcus KJ, Moreira C, Pritchard-Jones K, Ramirez O, Renner L, Robison LL, Shalkow J, Sung L, Yeoh A, Rodriguez-Galindo C.** Sustainable care for children with cancer: a Lancet Oncology Commission.

*Lancet Oncol* 21:e185-e224, 2020.

**Autry RJ, Paugh SW, Carter R, Shi L, Liu J, Ferguson DC, Lau CE, Bonten EJ, Yang W, McCorkle JR, Beard JA, Panetta JC, Diedrich JD, Crews KR, Pei D, Coke CJ, Natarajan S, Khatamian A, Karol SE, Lopez-Lopez E, Diouf B, Smith C, Gocho Y, Hagiwara K, Roberts KG, Pounds S, Kornblau SM, Stock W, Paietta EM, Litzow MR, Inaba H, Mullighan CG, Jeha S, Pui CH, Cheng C, Savic D, Yu J, Gawad C, Relling MV, Yang JJ, Evans WE.** Integrative genomic analyses reveal mechanisms of glucocorticoid resistance in acute lymphoblastic leukemia.

*Nat Cancer* 1:329-344, 2020.

**Ayers K, Klosky J, Li Z, Van Kirk Villalobos A.** Evaluation of the St. Jude Cancer Education for Children Program on cancer risk awareness, attitudes, and behavioral intentions among fourth-grade science students: Comparisons between racially identifiable/high-poverty schools and racially diverse/affluent schools.

*J Cancer Educ* 35:380-387, 2020.

**Ayers KA, Wade-Jaimes K, Wang L, Pennella RA, Pounds SB.** The St. Jude STEM Clubs: An afterschool STEM club for upper elementary school students in Memphis, TN.

*J STEM Outreach* 3:10.15695/jstem/v3i1.13, 2020.

**Baccarani M, Iacobucci I, Chiaretti S, Foa' R, Balasubramanian P, Paietta E, Foroni L, Jeromin S, Izzo B, Spinelli O, Varma N, Menif S, Terragna C, Seth T, Bidet A, Coriu D, Lunghi F, Mayer J, Scappini B, Langabeer S, Maier J, Burt E, Candoni A, Albano F, Luppi M, Zupan I, Lion T, Zadro R, di Raimondo F, Popak B, Rege-Cambrin G, Annunziata M, Ayala A, Salinas-Viedma V, Ines Prado A, Milner B, Galimberti S, Janssen J, Polli V, Comba L, Borsellino B, Annibaldi O, Crugnola M, Passamonti F.** In Ph+BCR-ABL1(P210+) acute lymphoblastic leukemia the e13a2 (B2A2) transcript is prevalent.

*Leukemia* 34:929-931, 2020.

**Bai B, Wang X, Li Y, Chen PC, Yu K, Dey KK, Yarbro JM, Han X, Lutz BM, Rao S, Jiao Y, Sifford JM, Han J, Wang M, Tan H, Shaw TI, Cho JH, Zhou S, Wang H, Niu M, Mancieri A, Messler KA, Sun X, Wu Z, Pagala V, High AA, Bi W, Zhang H, Chi H, Haroutunian V, Zhang B, Beach TG, Yu G, Peng J.** Deep multilayer brain proteomics identifies molecular networks in Alzheimer's disease progression.

*Neuron* 105:975-991.e7, 2020.

**Balasubramaniam S, Vijayan S, Goldman LV, May XA, Dodson K, Adhikari S, Rivas F, Watkins DL, Stoddard SV.** Design and synthesis of diazine-based panobinostat analogues for HDAC8 inhibition.

*Beilstein J Org Chem* 16:628-637, 2020.

**Ballas LK, Metzger ML, Milgrom SA, Advani R, Bakst RL, Dabaja BS, Flowers CR, Ha CS, Hoppe BS, Mansur DB, Pinnix CC, Plastaras JP, Roberts KB, Smith SM, Terezakis SA, Constine LS.** Nodular lymphocyte predominant Hodgkin lymphoma: Executive summary of the American Radium Society appropriate use criteria.

*Leuk Lymphoma* 62:1057-1065, 2020.

**Bami S, Vagreicha A, Soberman D, Badawi M, Cannone D, Lipton JM, Cron RQ, Levy CF.** The use of anakinra in the treatment of secondary hemophagocytic lymphohistiocytosis.

*Pediatr Blood Cancer* 67:e28581, 2020.

**Banerjee SC, Pottenger E, Petriccione M, Chou JF, Ford JS, Sklar CA, Robison LL, Kleinerman RA, Oeffinger KC, Francis JH, Abramson DH, Dunkel IJ, Friedman DN.** Impact of enucleation on adult retinoblastoma survivors' quality of life: A qualitative study of survivors' perspectives.

*Palliat Support Care* 18:322-331, 2020.

**Banoth B, Tuladhar S, Karki R, Sharma BR, Briard B, Kesavardhana S, Burton A, Kanneganti TD.** ZBP1 promotes fungi-induced inflammasome activation and pyroptosis, apoptosis, and necroptosis (PANoptosis).

*J Biol Chem* 295:18276-18283, 2020.

**Barlow-Krelina E, Chen Y, Yasui Y, Till C, Gibson TM, Ness KK, Leisenring WM, Howell RM, Nathan PC, Oeffinger KC,**

**Robison LL, Armstrong GT, Krull KR, Edelstein K.** Consistent physical activity and future neurocognitive problems in adult survivors of childhood cancers: A report from the Childhood Cancer Survivor Study.

*J Clin Oncol* 38:2041-2052, 2020.

**Barnard KN, Alford-Lawrence BK, Buchholz DW, Wasik BR, LaClair JR, Yu H, Honce R, Ruhl S, Pajic P, Daugherty EK, Chen X, Schultz-Cherry SL, Aguilar HC, Varki A, Parrish CR.** Modified sialic acids on mucus and erythrocytes inhibit influenza A virus hemagglutinin and neuraminidase functions.

*J Virol* 94:e01567-19, 2020.

**Baroni LV, Sampor C, Gonzalez A, Lubieniecki F, Lamas G, Rugilo C, Bartels U, Heled A, Smith KS, Northcott PA, Bouffet E, Alderete D, Ramaswamy V.** Bridging the treatment gap in infant medulloblastoma: Molecularly informed outcomes of a globally feasible regimen.

*Neuro Oncol* 22:1873-1881, 2020.

**Barr RG, Wilson SR, Lyshchik A, McCarville B, Darge K, Grant E, Robbin M, Wilmann JK, Chong WK, Fleischer A, Paltiel HJ.** Contrast-enhanced ultrasound: State of the art in North America.

*Ultrasound Q* 36:206-217, 2020.

**Barr RG, Wilson SR, Lyshchik A, McCarville B, Darge K, Grant E, Robbin M, Wilmann JK, Chong WK, Fleischer A, Paltiel HJ.** Contrast-enhanced ultrasound-state of the art in North America: Society of Radiologists in Ultrasound white paper.

*Ultrasound Q* 36:S1-S39, 2020.

**Barrie ES, Overwater E, van Haelst MM, Motazacker MM, Truxal KV, Crist E, Mostafavi R, Pivnick EK, Choudhri AF, Narumanchi T, Castelluccio V, Walsh LE, Garganta C, Gastier-Foster JM.** Expanding the spectrum of CEP55-associated disease to viable phenotypes.

*Am J Med Genet A* 182:1201-1208, 2020.

**Bass JK, Liu W, Banerjee P, Brinkman TM, Mulrooney DA, Gajjar A, Pappo AS, Merchant TE, Armstrong GT, Srivastava D, Robison LL, Hudson MM, Krull KR.** Association of hearing impairment with neurocognition in survivors of childhood cancer.

*JAMA Oncol* 6:1363-1371, 2020.

**Basturk O, Weigelt B, Adsay V, Benhamida JK, Askan G, Wang L, Arcila ME, Zamboni G, Fukushima N, Gularte-Merida R, Da Cruz Paula A, Selenica P, Kumar R, Pareja F, Maher CA, Scholes J, Oda Y, Santini D, Doyle LA, Petersen I, Flucke U, Koelsche C, Reynolds SJ, Yavas A, Deimling AV, Reis-Filho JS, Klimstra DS.** Sclerosing epithelioid mesenchymal neoplasm of the pancreas - A proposed new entity.

*Mod Pathol* 33:456-467, 2020.

**Battle C, Yang P, Coughlin M, Messing J, Pesarrodona M, Szulc E, Salvatella X, Kim HJ, Taylor JP, Ventura S.** hnRNPDL phase separation is regulated by alternative splicing and disease-causing mutations accelerate its aggregation.

*Cell Rep* 30:1117-1128.e5, 2020.

**Bauler M, Roberts JK, Wu CC, Fan B, Ferrara F, Yip BH, Diao S, Kim YI, Moore J, Zhou S, Wielgosz MM, Ryu B, Throm RE.** Production of lentiviral vectors using suspension cells grown in serum-free media.

*Mol Ther Methods Clin Dev* 17:58-68, 2020.

**Baxter PA, Su JM, Onar-Thomas A, Billups CA, Li XN, Poussaint TY, Smith ER, Thompson PA, Adekunle A, Ansell P, Giranda VL, Paulino AC, Kilburn L, Qaddoumi I, Broniscer A, Blaney SM, Dunkel IJ, Fouladi M.** A phase I/II study of veliparib (ABT-888) with radiation and temozolomide in newly diagnosed Diffuse pontine glioma: A Pediatric Brain Tumor Consortium study.

*Neuro Oncol* 22:875-885, 2020.

**Begemann M, Waszak SM, Robinson GW, Jager N, Sharma T, Knopp C, Kraft F, Moser O, Mynarek M, Guerrini-Rousseau L, Brugieres L, Varlet P, Pietsch T, Bowers DC, Chintagumpala M, Sahm F, Korbel JO, Rutkowski S, Eggermann T, Gajjar A, Northcott P, Elbracht M, Pfister SM, Kontny U, Kurth I.** Germline GPR161 mutations predispose to pediatric medulloblastoma.

*J Clin Oncol* 38:43-50, 2020.

**Bejjani A, Burt L, Washington C, Terao M, Housri S, Housri N.** Using a collaborative, virtual discussion platform to mobilize oncologic expertise for the COVID-19 pandemic.

*JCO Clin Cancer Inform* 4:794-798, 2020.

**Bernstock JD, Alva E, Cohen JL, Lobbous M, Chagoya G, Elsayed GA, Orr BA, Rozzelle C, Rocque B, Blount J, Johnston JM, Li R, Fiveash JB, Dhall G, Reddy AT, Friedman GK.** Treatment of pediatric high-grade central nervous system tumors with high-dose methotrexate in combination with multiagent chemotherapy: A single-institution experience.

*Pediatr Blood Cancer* 67:e28119, 2020.

**Bernstock JD, Bag A, Fiveash J, Kachurak K, Elsayed G, Chagoya G, Gessler F, Valdes PA, Madan-Swain A, Whitley R, Markert J, Gillespie Y, Johnston JM, Friedman GK.** Design and rationale for first-in-human phase 1 immunovirotherapy clinical trial of oncolytic HSV G207 to treat malignant pediatric cerebellar brain tumors.  
*Hum Gene Ther* 31:1132-1139, 2020.

**Bhatia S, Hageman L, Chen Y, Wong FL, McQuaid EL, Duncan C, Mascarenhas L, Freyer D, Mba N, Aristizabal P, Walterhouse D, Lew G, Kempert PH, Russell TB, McNall-Knapp RY, Jacobs S, Dang H, Raetz E, Relling MV, Landier W.** Effect of a daily text messaging and directly supervised therapy intervention on oral mercaptopurine adherence in children with acute lymphoblastic leukemia: A randomized clinical trial.  
*JAMA Netw Open* 3:e2014205, 2020.

**Bhatt NS, Houser K, Belongia M, Ellison DW, Foy A, Jarzembowski J, Kelly T, Maheshwari M, Suchi M, Knipstein J.** Diffuse midline glioma with osseous metastases at diagnosis: A case report.  
*J Pediatr Hematol Oncol* 42:e673-e676, 2020.

**Bhoopalan SV, Cross SJ, Panetta JC, Triplett BM.** Pharmacokinetics of alemtuzumab in pediatric patients undergoing ex vivo T-cell-depleted haploidentical hematopoietic cell transplantation.  
*Cancer Chemother Pharmacol* 86:711-717, 2020.

**Bhoopalan SV, Huang LJ, Weiss MJ.** Erythropoietin regulation of red blood cell production: from bench to bedside and back.  
*F1000Res* 9:F1000 Faculty Rev-1153, 2020.

**Bi W, Li Y, Smeltzer MP, Gao G, Zhao S, Kang G.** STEPS: An efficient prospective likelihood approach to genetic association analyses of secondary traits in extreme phenotype sequencing.  
*Biostatistics* 21:33-49, 2020.

**Bianchi P, Fermo E, Lezon-Geyda K, van Beers EJ, Morton HD, Barcellini W, Glader B, Chonat S, Ravindranath Y, Newburger PE, Kollmar N, Despotovic JM, Verhovsek M, Sharma M, Kwiatkowski JL, Kuo KHM, Wlodarski MW, Yaish HM, Holzhauer S, Wang H, Kunz J, Addonizio K, Al-Sayegh H, London WB, Andres O, van Wijk R, Gallagher PG, Grace RFF.** Genotype-phenotype correlation and molecular heterogeneity in pyruvate kinase deficiency.  
*Am J Hematol* 95:472-482, 2020.

**Bilokapic S, Suskiewicz MJ, Ahel I, Halic M.** Bridging of DNA breaks activates PARP2-HPF1 to modify chromatin.  
*Nature* 585:609-613, 2020.

**Bishop MW, Ness KK, Li C, Liu W, Srivastava DK, Chemaitilly W, Krull KR, Green DM, Pappo AS, Robison LL, Hudson MM, Mulrooney DA.** Cumulative burden of chronic health conditions in adult survivors of osteosarcoma and Ewing sarcoma: A report from the St. Jude Lifetime Cohort Study.  
*Cancer Epidemiol Biomarkers Prev* 29:1627-1638, 2020.

**Bjornard KL, Howell CR, Klosky JL, Chemaitilly W, Srivastava DK, Brinkman TM, Green DM, Willard VW, Jacola LM, Krasin MJ, Hudson MM, Robison LL, Ness KK.** Psychosexual functioning of female childhood cancer survivors: A report from the St. Jude Lifetime Cohort Study.  
*J Sex Med* 17:1981-1994, 2020.

**Blazin LJ, Sitthi-Amorn J, Hoffman JM, Burlison JD.** Improving patient handoffs and transitions through adaptation and implementation of I-PASS across multiple handoff settings.  
*Pediatr Qual Saf* 5:e323, 2020.

**Blennow K, Chen C, Cicognola C, Wildsmith KR, Manser PT, Bohorquez SMS, Zhang Z, Xie B, Peng J, Hansson O, Kvartsberg H, Portelius E, Zetterberg H, Lashley T, Brinkmalm G, Kerchner GA, Weimer RM, Ye K, Högglund K.** Cerebrospinal fluid tau fragment correlates with tau PET: A candidate biomarker for tangle pathology.  
*Brain* 143:650-660, 2020.

**Blincoe A, Heeg M, Campbell PK, Hines M, Khojah A, Klein-Gitelman M, Talano JA, Speckmann C, Touzot F, Lankester A, Legger GE, Riviere JG, Garcia-Prat M, Alonso L, Putti MC, Lehmborg K, Maier S, El Chazli Y, Elmaksoud MA, Astigarraga I, Kurjane N, Bulina I, Kenina V, Bryceson Y, Rascon J, Lortie A, Goldstein G, Booth C, Worth A, Wassmer E, Schmitt EG, Warren JT, Bednarski JJ, Ali S, Chiang KY, Krueger J, Henry MM, Holland SM, Marsh RA, Ehl S, Haddad E.** Neuroinflammatory disease as an isolated manifestation of hemophagocytic lymphohistiocytosis.  
*J Clin Immunol* 40:901-916, 2020.

**Bloom M, Maciaszek JL, Clark ME, Pui CH, Nichols KE.** Recent advances in genetic predisposition to pediatric acute

lymphoblastic leukemia.  
*Expert Rev Hematol* 13:55-70, 2020.

**Boada-Romero E, Martinez J, Heckmann BL, Green DR.** The clearance of dead cells by efferocytosis.  
*Nat Rev Mol Cell Biol* 21:398-414, 2020.

**Boatner J, Rice T, Patterson D, Thompson P.** Comparing the effectiveness of behavioral interventions in adults with co-occurring tobacco and substance use disorders: A systematic review of literature.  
*J Soc Work Pract Addict* 20:1-18, 2020.

**Bosetti C, Traini E, Alam T, Allen CA, Carreras G, Compton K, Fitzmaurice C, Force LM, Gallus S, Gorini G, Harvey JD, Kocarnik JM, La Vecchia C, Lugo A, Naghavi M, Pennini A, Piccinelli C, Ronfani L, Xu R, Monasta L.** National burden of cancer in Italy, 1990-2017: A systematic analysis for the global burden of disease study 2017.  
*Sci Rep* 10:22099, 2020.

**Bouffet E, Challinor J, Sullivan M, Biondi A, Rodriguez-Galindo C, Pritchard-Jones K.** Early advice on managing children with cancer during the COVID-19 pandemic and a call for sharing experiences.  
*Pediatr Blood Cancer* 67:e28327, 2020.

**Boyd DF, Allen EK, Randolph AG, Guo XJ, Weng Y, Sanders CJ, Bajracharya R, Lee NK, Guy CS, Vogel P, Guan W, Li Y, Liu X, Novak T, Newhams MM, Fabrizio TP, Wohlgemuth N, Mourani PM, Wight TN, Schultz-Cherry S, Cormier SA, Shaw-Saliba K, Pekosz A, Rothman RE, Chen KF, Yang Z, Webby RJ, Zhong N, Crawford JC, Thomas PG.** Publisher Correction: Exuberant fibroblast activity compromises lung function via ADAMTS4.  
*Nature* 588:E5, 2020.

**Boyd DF, Allen EK, Randolph AG, Guo XJ, Weng Y, Sanders CJ, Bajracharya R, Lee NK, Guy CS, Vogel P, Guan W, Li Y, Liu X, Novak T, Newhams MM, Fabrizio TP, Wohlgemuth N, Mourani PM, Wight TN, Schultz-Cherry S, Cormier SA, Shaw-Saliba K, Pekosz A, Rothman RE, Chen KF, Yang Z, Webby RJ, Zhong N, Crawford JC, Thomas PG.** Exuberant fibroblast activity compromises lung function via ADAMTS4.  
*Nature* 587:466-471, 2020.

**Boyd DF, Wilson TL, Thomas PG.** One hundred years of (influenza) immunopathology.  
*Adv Virus Res* 107:247-284, 2020.

**Brady SW, Liu Y, Ma X, Gout AM, Hagiwara K, Zhou X, Wang J, Macias M, Chen X, Easton J, Mulder HL, Rusch M, Wang L, Nakitandwe J, Lei S, Davis EM, Naranjo A, Cheng C, Maris JM, Downing JR, Cheung NV, Hogarty MD, Dyer MA, Zhang J.** Pan-neuroblastoma analysis reveals age- and signature-associated driver alterations.  
*Nat Commun* 11:5183, 2020.

**Brady SW, Ma X, Zhou BS, Pui CH, Yang JJ, Zhang J.** Therapy-induced mutagenesis in relapsed ALL is supported by mutational signature analysis.  
*Blood* 136:2235-2237, 2020.

**Brazauskas R, Scigliuolo GM, Wang HL, Cappelli B, Ruggeri AL, Fitzhugh CD, Hankins JS, Kanter J, Meerpohl JJ, Panepinto JA, Rondelli D, Shenoy S, Walters MC, Wagner JE, Tisdale JF, Gluckman E, Eapen M.** Risk score to predict event-free survival after hematopoietic cell transplant for sickle cell disease.  
*Blood* 136:623-626, 2020.

**Bremer A, Mittag T, Heymann M.** Microfluidic characterization of macromolecular liquid-liquid phase separation.  
*Lab Chip* 20:4225-4234, 2020.

**Brewer CT, Kodali K, Wu J, Shaw TI, Peng J, Chen T.** Toxicoproteomic profiling of hPXR transgenic mice treated with rifampicin and isoniazid.  
*Cells* 9:1654, 2020.

**Briard B, Fontaine T, Samir P, Place DE, Muszkieta L, Malireddi RKS, Karki R, Christgen S, Bomme P, Vogel P, Beau R, Mellado E, Ibrahim-Granet O, Henrissat B, Kalathur RC, Robinson C, Latgé JP, Kanneganti TD.** Galactosaminogalactan activates the inflammasome to provide host protection.  
*Nature* 588:688-692, 2020.

**Briard B, Place DE, Kanneganti TD.** DNA sensing in the innate immune response.  
*Physiology (Bethesda)* 35:112-124, 2020.

- Brinkman TM, Gurney JG.** Early and often: The need for comprehensive discussion of treatment-induced cancer late effects. *Pediatrics* 145:e20200498, 2020.
- Brodersen LE, Gerbing RB, Pardo ML, Alonzo TA, Paine D, Fritschle W, Hsu FC, Pollard JA, Aplenc R, Kahwash SB, Hirsch B, Ramondi S, Wells D, Kolb EA, Gamis AS, Meshinchi S, Loken MR.** Morphologic remission status is limited compared to  $\Delta N$  flow cytometry: A Children's Oncology Group AAML0531 report. *Blood Adv* 4:5050-5061, 2020.
- Brown P, Inaba H, Annesley C, Beck J, Colace S, Dallas M, DeSantes K, Kelly K, Kitko C, Lacayo N, Larrier N, Maese L, Mahadeo K, Nanda R, Nardi V, Rodriguez V, Rossoff J, Schuettepelz L, Silverman L, Sun J, Sun W, Teachey D, Wong V, Yanik G, Johnson-Chilla A, Ogba N.** Pediatric acute lymphoblastic leukemia, version 2.2020, NCCN Clinical Practice Guidelines in Oncology. *J Natl Compr Canc Netw* 18:81-112, 2020.
- Brugarolas P, Comstock J, Dick DW, Elmer T, Engle JW, Lapi SE, Liang SH, Parent EE, Kishore Pillarsetty NV, Selivanova S, Sun X, Vavere A, Scott PJH, Society of Nuclear Medicine and Molecular Imaging Radiopharmaceutical Sciences Council.** Fifty years of radiopharmaceuticals. *J Nucl Med Technol* 48:34S-39S, 2020.
- Bruiners N, Schurz H, Daya M, Salie M, van Helden PD, Kinnear CJ, Hoal EG, Moller M, Gey van Pittius NC.** A regulatory variant in the C1Q gene cluster is associated with tuberculosis susceptibility and C1qA plasma levels in a South African population. *Immunogenetics* 72:305-314, 2020.
- Buchbinder D, Brazauskas R, Bo-Subait K, Ballen K, Parsons S, John T, Hahn T, Sharma A, Steinberg A, D'Souza A, Kumar AJ, Yoshimi A, Wirk B, Shaw B, Freytes C, LeMaistre C, Bredeson C, Dandoy C, Almaguer D, Marks DI, Szwajcer D, Hale G, Schouten H, Hashem H, Schoemans H, Murthy HS, Lazarus HM, Cerny J, Tay J, Yared JA, Adekola K, Schultz KR, Lehmann L, Burns L, Aljurf M, Diaz MA, Majhail N, Farhadfar N, Kamble R, Olsson R, Schears R, Seo S, Beattie S, Chhabra S, Savani BN, Badawy S, Ganguly S, Ciurea S, Marino S, Gergis U, Kuwatsuka Y, Inamoto Y, Khera N, Hashmi S, Wood W, Saber W.** Predictors of loss to follow-up among pediatric and adult hematopoietic cell transplantation survivors: A report from the Center for International Blood and Marrow Transplant Research. *Biol Blood Marrow Transplant* 26:553-561, 2020.
- Bunge KE, Levy L, Szydlo DW, Zhang J, Gaur AH, Reirden D, Mayer KH, Futterman D, Hoesley C, Hillier SL, Marzinke MA, Hendrix CW, Gorbach PM, Wilson CM, Soto-Torres L, Kapogiannis B, Nel A, Squires KE.** Brief report: Phase IIa safety study of a vaginal ring containing dapivirine in adolescent young women. *J Acquir Immune Defic Syndr* 83:135-139, 2020.
- Burcham LR, Hill RA, Caulkins RC, Emerson JP, Nanduri B, Rosch JW, Fitzkee NC, Thornton JA.** Streptococcus pneumoniae metal homeostasis alters cellular metabolism. *Metallomics* 12:1416-1427, 2020.
- Burges M, Qaddoumi I, Brennan RC, Krull L, Sahr N, Rodriguez-Galindo C, Jeha S, Wilson MW.** Assessment of retinoblastoma capacity in the Middle East, North Africa, and West Asia region. *JCO Glob Oncol* 6:1531-1539, 2020.
- Burke MJ, Kostadinov R, Sposto R, Gore L, Kelley SM, Rabik C, Trepel JB, Lee MJ, Yuno A, Lee S, Bhojwani D, Jeha S, Chang BH, Sulis ML, Hermiston ML, Gaynon P, Huynh V, Verma A, Gardner R, Heym KM, Dennis RM, Ziegler DS, Laetsch TW, Oesterheld JE, Dubois SG, Pollard JA, Glade-Bender J, Cooper TM, Kaplan JA, Farooqi MS, Yoo B, Guest E, Wayne AS, Brown PA.** Decitabine and vorinostat with chemotherapy in relapsed pediatric acute lymphoblastic leukemia: A TACL pilot study. *Clin Cancer Res* 26:2297-2307, 2020.
- Burlison JD, Quillivan RR, Kath LM, Zhou Y, Courtney SC, Cheng C, Hoffman JM.** A multilevel analysis of U.S. hospital patient safety culture relationships with perceptions of voluntary event reporting. *J Patient Saf* 16:187-193, 2020.
- Caciotti A, Melani F, Tonin R, Cellai L, Catarzi S, Procopio E, Chilleri C, Mavridou I, Michelakakis H, Fioravanti A, d'Azzo A, Guerrini R, Morrone A.** Type I sialidosis, a normosomatic lysosomal disease, in the differential diagnosis of late-onset ataxia and myoclonus: An overview. *Mol Genet Metab* 129:47-58, 2020.
- Cadaoas J, Hu H, Boyle G, Gomero E, Mosca R, Jayashankar K, Machado M, Cullen S, Guzman B, van de Vlekkert D, Annunziata I, Vellard M, Kakkis E, Koppaka V, d'Azzo A.** Galactosialidosis: Preclinical enzyme replacement therapy in a mouse model of the disease, a proof of concept.

**Caldwell KJ, De La Cuesta E, Morin C, Pappo A, Helmig S.** A newborn with a large NTRK fusion positive infantile fibrosarcoma successfully treated with larotrectinib.  
*Pediatr Blood Cancer* 67:e28330, 2020.

**Caldwell KJ, Gottschalk S, Talleur AC.** Allogeneic CAR cell therapy-More than a pipe dream.  
*Front Immunol* 11:618427, 2020.

**Callen E, Zong D, Wu W, Wong N, Stanlie A, Ishikawa M, Pavani R, Dumitrache LC, Byrum AK, Mendez-Dorantes C, Martinez P, Canela A, Maman Y, Day A, Kruhlak MJ, Blasco MA, Stark JM, Mosammaparast N, McKinnon PJ, Nussenzweig A.** 53BP1 enforces distinct pre- and post-resection blocks on homologous recombination.  
*Mol Cell* 77:26-38.e7, 2020.

**Campagne O, Davis A, Maharaj AR, Zhong B, Stripay J, Farmer D, Roussel MF, Stewart CF.** CNS penetration and pharmacodynamics of the CHK1 inhibitor prexasertib in a mouse Group 3 medulloblastoma model.  
*Eur J Pharm Sci* 142:105106, 2020.

**Campagne O, Zhong B, Nair S, Lin T, Huang J, Onar-Thomas A, Robinson G, Gajjar A, Stewart CF.** Exposure-toxicity association of cyclophosphamide and its metabolites in infants and young children with primary brain tumors: Implications for dosing.  
*Clin Cancer Res* 26:1563-1573, 2020.

**Campbell C, Barohn RJ, Bertini E, Chabrol B, Comi GP, Darras BT, Finkel RS, Flanigan KM, Goemans N, Iannaccone ST, Jones KJ, Kirschner J, Mah JK, Mathews KD, McDonald CM, Mercuri E, Nevo Y, Péréon Y, Renfroe JB, Ryan MM, Sampson JB, Schara U, Sejersen T, Selby K, Tulinius M, Vilchez JJ, Voit T, Wei LJ, Wong BL, Elfring G, Souza M, McIntosh J, Trifillis P, Peltz SW, Muntoni F.** Meta-analyses of ataluren randomized controlled trials in nonsense mutation Duchenne muscular dystrophy.  
*J Comp Eff Res* 9:973-984, 2020.

**Campbell HT, Yuhan BT, Smith B, Misch E, Svider PF, Pashkova AA, Sheyn A, Ying YM, Johnson AP.** Perioperative analgesia for patients undergoing otologic surgery: An evidence-based review.  
*Laryngoscope* 130:190-199, 2020.

**Canavera K, Johnson LM.** Integrating mental health care for medically complex children.  
*Pediatrics* 146:e20190898, 2020.

**Canavera KE, Elliott DA.** Mental health care during and after the ICU: A call to action.  
*Chest* 158:1835-1836, 2020.

**Cappellini MD, Viprakasit V, Taher AT, Georgiev P, Kuo KHM, Coates T, Voskaridou E, Liew HK, Pazgal-Kobrowski I, Forni GL, Perrotta S, Khelif A, Lal A, Kattamis A, Vlachaki E, Origa R, Aydinok Y, Bejaoui M, Ho PJ, Chew LP, Bee PC, Lim SM, Lu MY, Tantiworawit A, Ganeva P, Gercheva L, Shah F, Neufeld EJ, Thompson A, Laadem A, Shetty JK, Zou J, Zhang J, Miteva D, Zinger T, Linde PG, Sherman ML, Hermine O, Porter J, Piga A.** A phase 3 trial of luspatercept in patients with transfusion-dependent  $\beta$ -thalassemia.  
*N Engl J Med* 382:1219-1231, 2020.

**Carrot-Zhang J, Chambwe N, Damrauer JS, Knijnenburg TA, Robertson AG, Yau C, Zhou W, Berger AC, Huang KL, Newberg JY, Mashl RJ, Romanel A, Sayaman RW, Demichelis F, Felau I, Frampton GM, Han S, Hoadley KA, Kemal A, Laird PW, Lazar AJ, Le X, Oak N, Shen H, Wong CK, Zenklusen JC, Ziv E, Cherniack AD, Beroukhi R.** Comprehensive analysis of genetic ancestry and its molecular correlates in cancer.  
*Cancer Cell* 37:639-654.e6, 2020.

**Casey G, Askew C, Brimble MA, Samulski RJ, Davidoff AM, Li C, Walters BJ.** Self-complementarity in adeno-associated virus enhances transduction and gene expression in mouse cochlear tissues.  
*PLoS One* 15:e0242599, 2020.

**Caudle KE, Sangkuhl K, Whirl-Carrillo M, Swen JJ, Haidar CE, Klein TE, Gammal RS, Relling MV, Scott SA, Hertz DL, Guchelaar HJ, Gaedigk A.** Standardizing CYP2D6 genotype to phenotype translation: Consensus recommendations from the Clinical Pharmacogenetics Implementation Consortium and Dutch Pharmacogenetics Working Group.  
*Clin Transl Sci* 13:116-124, 2020.

**Cha B, Ho YC, Geng X, Mahamud MR, Chen L, Kim Y, Choi D, Kim TH, Randolph GJ, Cao X, Chen H, Srinivasan RS.** YAP and TAZ maintain PROX1 expression in the developing lymphatic and lymphovenous valves in response to VEGF-C



signaling.

*Development* 147:dev195453, 2020.

**Chai SC, Wright WC, Chen T.** Strategies for developing pregnane X receptor antagonists: Implications from metabolism to cancer. *Med Res Rev* 40:1061-1083, 2020.

**Chang TC, Hauptfear KM, Yu J, Rampersaud E, Sheehan VA, Flanagan JM, Hankins JS, Weiss MJ, Wu G, Vege S, Westhoff CM, Chou ST, Zheng Y.** A novel algorithm comprehensively characterizes human RH genes using whole-genome sequencing data.

*Blood Adv* 4:4347-4357, 2020.

**Chapman NM, Boothby MR, Chi H.** Metabolic coordination of T cell quiescence and activation.

*Nat Rev Immunol* 20:55-70, 2020.

**Chapman NM, Gottschalk S, Chi H.** Preventing ubiquitination improves CAR T cell therapy via 'CAR Merry-Go-Around'.

*Immunity* 53:243-245, 2020.

**Chaudhry M, Webby R, Swayne D, Rashid HB, DeBeauchamp J, Killmaster L, Criado MF, Lee DH, Webb A, Yousaf S, Asif M, Ain QU, Khan M, Ilyas Khan M, Hasan S, Yousaf A, Mushtaque A, Bokhari SF, Hasni MS.** Avian influenza at animal-human interface: One-health challenge in live poultry retail stalls of Chakwal, Pakistan.

*Influenza Other Respir Viruses* 14:257-265, 2020.

**Chavali S, Singh AK, Santhanam B, Babu MM.** Amino acid homorepeats in proteins.

*Nat Rev Chem* 4:420-434, 2020.

**Chen H, Deng S, Wang Y, Albadari N, Kumar G, Ma D, Li W, White SW, Miller DD, Li W.** Structure-activity relationship study of novel 6-aryl-2-benzoyl-pyridines as tubulin polymerization inhibitors with potent antiproliferative properties.

*J Med Chem* 63:827-846, 2020.

**Chen H, Victor AK, Klein J, Tacer KF, Tai DJ, de Esch C, Nuttle A, Temirov J, Burnett LC, Rosenbaum M, Zhang Y, Ding L, Moresco JJ, Diedrich JK, Yates JR 3rd, Tillman HS, Leibel RL, Talkowski ME, Billadeau DD, Reiter LT, Potts PR.** Loss of MAGEL2 in Prader-Willi syndrome leads to decreased secretory granule and neuropeptide production.

*JCI Insight* 5:e138576, 2020.

**Chen JC, Luu AR, Wise N, Angelis R, Agrawal V, Mangini L, Vincelette J, Handyside B, Sterling H, Lo MJ, Wong H, Galicia N, Pacheco G, Van Vleet J, Giaramita A, Fong S, Roy SM, Hague C, Lawrence R, Bullens S, Christianson TM, d'Azzo A, Crawford BE, Bunting S, LeBowitz JH, Yogalingam G.** Intracerebroventricular enzyme replacement therapy with  $\beta$ -galactosidase reverses brain pathologies due to GM1 gangliosidosis in mice.

*J Biol Chem* 295:13532-13555, 2020.

**Chen L, Chi H, Kinashi T.** Editorial: Hippo signaling in the immune system.

*Front Immunol* 11:587514, 2020.

**Chen LM, Donis RO, Suarez DL, Wentworth DE, Webby R, Engelhardt OG, Swayne DE.** Biosafety risk assessment for production of candidate vaccine viruses to protect humans from zoonotic highly pathogenic avian influenza viruses.

*Influenza Other Respir Viruses* 14:215-225, 2020.

**Chen W, Zhang S, Williams J, Ju B, Shaner B, Easton J, Wu G, Chen X.** A comparison of methods accounting for batch effects in differential expression analysis of UMI count based single cell RNA sequencing.

*Comput Struct Biotechnol J* 18:861-873, 2020.

**Chen X, Wang Y, Ruan M, Li J, Zhong M, Li Z, Liu F, Wang S, Chen Y, Liu L, Yang JJ, Zhu X, Wang J, Pui CH.** Treatment of testicular relapse of B-cell acute lymphoblastic leukemia with CD19-specific chimeric antigen receptor T cells.

*Clin Lymphoma Myeloma Leuk* 20:366-370, 2020.

**Chen Y, Chow EJ, Oeffinger KC, Border WL, Leisenring WM, Meacham LR, Mulrooney DA, Sklar CA, Stovall M, Robison LL, Armstrong GT, Yasui Y.** Traditional cardiovascular risk factors and individual prediction of cardiovascular events in childhood cancer survivors.

*J Natl Cancer Inst* 112:256-265, 2020.

**Chen YY, Lim W, Levings M, Blazar B, Krenciute G, Wong W, Lehner M.** What is the optimal design-build-test cycle for clinically relevant synthetic CAR T cell therapies?

*Cell Syst* 11:212-214, 2020.

**Cheng C, Kirkpatrick M.** The signal of sex-specific selection in humans is not an artefact: Reply to Mank et al. *Mol Ecol* 29:1406-1407, 2020.

**Chenoweth MJ, Giacomini KM, Pirmohamed M, Hill SL, van Schaik RHN, Schwab M, Shuldiner AR, Relling MV, Tyndale RF.** Global pharmacogenomics within precision medicine: Challenges and opportunities. *Clin Pharmacol Ther* 107:57-61, 2020.

**Cheung YT, Liu W, Brinkman TM, Srivastava D, Leisenring WM, Howell RM, Ullrich NJ, Lommel KM, Brouwers P, Gibson TM, Robison LL, Armstrong GT, Krull KR.** Prescription psychoactive medication use in adolescent survivors of childhood cancer and association with adult functional outcomes. *JNCI Cancer Spectr* 4:pkaa057, 2020.

**Chiang J, Diaz AK, Makepeace L, Li X, Han Y, Li Y, Klimo P Jr, Boop FA, Baker SJ, Gajjar A, Merchant TE, Ellison DW, Broniscer A, Patay Z, Tinkle CL.** Clinical, imaging, and molecular analysis of pediatric pontine tumors lacking characteristic imaging features of DIPG. *Acta Neuropathol Commun* 8:57, 2020.

**Chiang J, Li X, Liu APY, Qaddoumi I, Acharya S, Ellison DW.** Tectal glioma harbors high rates of KRAS G12R and concomitant KRAS and BRAF alterations. *Acta Neuropathol* 139:601-602, 2020.

**Chilambi GS, Nordstrom HR, Evans DR, Ferrolino JA, Hayden RT, Maron GM, Vo AN, Gilmore MS, Wolf J, Rosch JW, Van Tyne D.** Evolution of vancomycin-resistant *Enterococcus faecium* during colonization and infection in immunocompromised pediatric patients. *Proc Natl Acad Sci U S A* 117:11703-11714, 2020.

**Chiotos K, Hayes M, Kimberlin DW, Jones SB, James SH, Pinninti SG, Yarbrough A, Abzug MJ, MacBrayne CE, Soma VL, Dulek DE, Vora SB, Waghmare A, Wolf J, Olivero R, Grapentine S, Wattier RL, Bio L, Cross SJ, Dillman NO, Downes KJ, Timberlake K, Young J, Orscheln RC, Tamma PD, Schwenk HT, Zachariah P, Aldrich M, Goldman DL, Groves HE, Lamb GS, Tribble AC, Hersh AL, Thorell EA, Denison MR, Ratner AJ, Newland JG, Nakamura MM.** Multicenter initial guidance on use of antivirals for children with COVID-19/SARS-CoV-2. *J Pediatric Infect Dis Soc* 9:701-715, 2020.

**Cho S, Song N, Choi JY, Shin A.** Effect of citric acid cycle genetic variants and their interactions with obesity, physical activity and energy intake on the risk of colorectal cancer: Results from a nested case-control study in the UK Biobank. *Cancers (Basel)* 12:2939, 2020.

**Chong DLW, Trinder S, Labelle M, Rodriguez-Justo M, Hughes S, Holmes AM, Scotton CJ, Porter JC.** Platelet-derived transforming growth factor- $\beta$ 1 promotes keratinocyte proliferation in cutaneous wound healing. *J Tissue Eng Regen Med* 14:645-649, 2020.

**Choudhuri A, Trompouki E, Abraham BJ, Colli LM, Kock KH, Mallard W, Yang ML, Vinjamur DS, Ghamari A, Sporrij A, Hoi K, Hummel B, Boatman S, Chan V, Tseng S, Nandakumar SK, Yang S, Lichtig A, Superdock M, Grimes SN, Bowman TV, Zhou Y, Takahashi S, Joehanes R, Cantor AB, Bauer DE, Ganesh SK, Rinn J, Albert PS, Bulyk ML, Chanock SJ, Young RA, Zon LI.** Common variants in signaling transcription-factor-binding sites drive phenotypic variability in red blood cell traits. *Nat Genet* 52:1333-1345, 2020.

**Chou-Wu PC, Arnold PY.** Characterization of a novel HLA allele, DPB1\*1049:01, in a pediatric patient with severe aplastic anemia. *HLA* 96:758-759, 2020.

**Chow EJ, Baldwin LM, Hagen A, Hudson MM, Gibson TM, Kochar K, McDonald A, Nathan PC, Syrjala K, Taylor SL, Tonorezos ES, Yasui Y, Armstrong GT, Oeffinger KC.** Communicating health information and improving coordination with primary care (CHIIP): Rationale and design of a randomized cardiovascular health promotion trial for adult survivors of childhood cancer. *Contemp Clin Trials* 89:105915, 2020.

**Chow EJ, Ness KK, Armstrong GT, Bhakta N, Yeh JM, Bhatia S, Landier W, Constine LS, Hudson MM, Nathan PC.** Current and coming challenges in the management of the survivorship population. *Semin Oncol* 47:23-39, 2020.

**Christakopoulos GE, Kobe C, Flesch S, Lee J, Parsons HM, Sadak KT.** Personalized clinical research: Childhood cancer

Survivor and parent preferences for research participation.  
*JCO Oncol Pract* 16:779-782, 2020.

**Christen S, Roser K, Mulder RL, Ilic A, Lie HC, Loonen JJ, Mellblom AV, Kremer LCM, Hudson MM, Constine LS, Skinner R, Scheinemann K, Gilleland Marchak J, Michel G.** Recommendations for the surveillance of cancer-related fatigue in childhood, adolescent, and young adult cancer survivors: A report from the International Late Effects of Childhood Cancer Guideline Harmonization Group.  
*J Cancer Surviv* 14:923-938, 2020.

**Christgen S, Kanneganti TD.** Inflammasomes and the fine line between defense and disease.  
*Curr Opin Immunol* 62:39-44, 2020.

**Christgen S, Place DE, Kanneganti TD.** Toward targeting inflammasomes: Insights into their regulation and activation.  
*Cell Res* 30:315-327, 2020.

**Christgen S, Zheng M, Kesavardhana S, Karki R, Malireddi RKS, Banoth B, Place DE, Briard B, Sharma BR, Tuladhar S, Samir P, Burton A, Kanneganti TD.** Identification of the PANoptosome: A molecular platform triggering pyroptosis, apoptosis, and necroptosis (PANoptosis).  
*Front Cell Infect Microbiol* 10:237, 2020.

**Christoffersen L, Gibson TM, Pui CH, Joshi V, Partin RE, Green DM, Lanctot JQ, Howell CR, Mulrooney DA, Armstrong GT, Robison LL, Hudson MM, Ness KK.** Cardiac autonomic dysfunction in survivors of childhood acute lymphoblastic leukemia: The St. Jude Lifetime Cohort Study.  
*Pediatr Blood Cancer* 67:e28388, 2020.

**Chughlay MF, Akakpo S, Odedra A, Csermak-Renner K, Djeriou E, Winnips C, Leboulleux D, Gaur AH, Shanks GD, McCarthy J, Chalon S.** Liver enzyme elevations in Plasmodium falciparum volunteer infection studies: Findings and recommendations.  
*Am J Trop Med Hyg* 103:378-393, 2020.

**Chung E, Elmassry MM, Kottapalli P, Kottapalli KR, Kaur G, Dufour JM, Wright K, Ramalingam L, Moustaid-Moussa N, Wang R, Hamood AN, Shen CL.** Metabolic benefits of annatto-extracted tocotrienol on glucose homeostasis, inflammation, and gut microbiome.  
*Nutr Res* 77:97-107, 2020.

**Clark BL, Thomas PG.** A cell for the ages: Human  $\gamma\delta$  T cells across the lifespan.  
*Int J Mol Sci* 21:E8903, 2020.

**Clark RA, Mostoufi-Moab S, Yasui Y, Vu NK, Sklar CA, Motan T, Brooke RJ, Gibson TM, Oeffinger KC, Howell RM, Smith SA, Lu Z, Robison LL, Chemaitilly W, Hudson MM, Armstrong GT, Nathan PC, Yuan Y.** Predicting acute ovarian failure in female survivors of childhood cancer: A cohort study in the Childhood Cancer Survivor Study (CCSS) and the St Jude Lifetime Cohort (SJLIFE).  
*Lancet Oncol* 21:436-445, 2020.

**Clarke M, Mackay A, Iser B, Pickles JC, Tatevossian RG, Newman S, Bale TA, Stoler I, Izquierdo E, Temelso S, Carvalho DM, Molinari V, Burford A, Howell L, Virasami A, Fairchild AR, Avery A, Chalker J, Kristiansen M, Hauptfear K, Dalton JD, Orisme W, Wen J, Hubank M, Kurian KM, Rowe C, Maybury M, Crosier S, Knipstein J, Schuller U, Kordes U, Kram DE, Snuderl M, Bridges L, Martin AJ, Doey LJ, Al-Sarraj S, Chandler C, Zebian B, Cairns C, Natrajan R, Boulton JK, Robinson SP, Sill M, Dunkel IJ, Gilheeny SW, Rosenblum MK, Hughes D, Proszek PZ, MacDonald TJ, Preusser M, Haberler C, Slavc I, Packer R, Ng HK, Caspi S, Popovic M, Faganel Kotnik B, Wood MD, Baird L, Davare MA, Solomon DA, Olsen TK, Brandal P, Farrell M, Cryan JB, Capra M, Karremann M, Schittenhelm J, Schuhmann MU, Ebinger M, Dinjens WNM, Kerl K, Hettmer S, Pietsch T, Andreiuolo F, Driever PH, Korshunov A, Hiddingh L, Worst BC, Sturm D, Zuckermann M, Witt O, Bloom T, Mitchell C, Miele E, Colafati GS, Diomedi-Camassei F, Bailey S, Moore AS, Hassall TE, Lewis SP, Tsoli M, Cowley MJ, Ziegler DS, Karajannis MA, Aquilina K, Hargrave DR, Carceller F, Marshall LV, von Deimling A, Kramm CM, Pfister SM, Sahm F, Baker SJ, Mastronuzzi A, Carai A, Vinci M, Capper D, Popov S, Ellison DW, Jacques TS, Jones DTW, Jones C.** Infant high grade gliomas comprise multiple subgroups characterized by novel targetable gene fusions and favorable outcomes.  
*Cancer Discov* 10:942-963, 2020.

**Clay MC, Kalodimos CG.** Adding substituent nonadditivity in protein allostery by NMR.  
*Biophys J* 119:1043-1044, 2020.

**Cooney TM, Cohen KJ, Guimaraes CV, Dhall G, Leach J, Massimino M, Erbetta A, Chiapparini L, Malbari F, Kramer K, Pollack IF, Baxter P, Laughlin S, Patay Z, Young Poussaint T, Warren KE.** Response assessment in diffuse intrinsic pontine

glioma: Recommendations from the Response Assessment in Pediatric Neuro-Oncology (RAPNO) working group. *Lancet Oncol* 21:e330-e336, 2020.

**Cooper VS, Honsa E, Rowe H, Deitrick C, Iverson AR, Whittall JJ, Neville SL, McDevitt CA, Kietzman C, Rosch JW.** Experimental evolution in vivo to identify selective pressures during pneumococcal colonization. *mSystems* 5:e00352-20, 2020.

**Coratti G, Messina S, Lucibello S, Pera MC, Montes J, Pasternak A, Stat FB, Escudero JE, Mazzone ES, Mayhew A, Glanzman AM, Young SD, Salazar R, Duong T, Lofra RM, de Sanctis R, Carnicella S, Milev E, Civitello M, Pane M, Scoto M, Bettolo CM, Antonaci L, Frongia A, Sframeli M, Vita GL, D'Amico A, van den Hauwe M, Albamonte E, Goemans N, Darras BT, Bertini E, Sansone V, Day J, Osorio AN, Bruno C, Muntoni F, De Vivo DC, Finkel RS, Mercuri E.** Clinical variability in spinal muscular atrophy type III. *Ann Neurol* 88:1109-1117, 2020.

**Cornett KMD, Menezes MP, Bray P, Shy RR, Moroni I, Pagliano E, Pareyson D, Estilow T, Yum SW, Bhandari T, Muntoni F, Laura M, Reilly MM, Finkel RS, Eichinger KJ, Herrmann DN, Shy ME.** Refining clinical trial inclusion criteria to optimize the standardized response mean of the CMTPedS. *Ann Clin Transl Neurol* 7:1713-1715, 2020.

**Cortez V, Boyd DF, Crawford JC, Sharp B, Livingston B, Rowe HM, Davis A, Alsallaq R, Robinson CG, Vogel P, Rosch JW, Margolis E, Thomas PG, Schultz-Cherry S.** Astrovirus infects actively secreting goblet cells and alters the gut mucus barrier. *Nat Commun* 11:2097, 2020.

**Cox LE, Kenney AE, Harman JL, Jurbergs N, Molnar AE Jr, Willard VW.** Psychosocial functioning of young children treated for cancer: Findings from a clinical sample. *J Pediatr Oncol Nurs* 36:17-23, 2020.

**Craig JE, Miller JN, Rayavarapu RR, Hong Z, Bulut GB, Zhuang W, Sakurada SM, Temirov J, Low JA, Chen T, Pruett-Miller SM, Huang LJ, Potts MB.** MEKK3-MEK5-ERK5 signaling promotes mitochondrial degradation. *Cell Death Discov* 6:107, 2020.

**Crane J, Manfredo J, Boscolo E, Coyan M, Takemoto C, Itkin M, Adams DM, Le Cras TD.** Kaposiform lymphangiomatosis treated with multimodal therapy improves coagulopathy and reduces blood angiopoietin-2 levels. *Pediatr Blood Cancer* 67:e28529, 2020.

**Creary S, Chisolm D, Stanek J, Neville K, Garg U, Hankins JS, O'Brien SH.** Measuring hydroxyurea adherence by pharmacy and laboratory data compared with video observation in children with sickle cell disease. *Pediatr Blood Cancer* 67:e28250, 2020.

**Crockett CJ, Zeigler LN, Kynes JM, Lawson KC, Figueroa LI, Hayes CB, Samen CDK, McQueen KA.** A prospective observational study of postoperative follow-ups and outcomes at a non-profit, internationally supported pediatric surgery center in Guatemala. *Paediatr Anaesth* 30:469-479, 2020.

**Cronin RM, Yang M, Hankins JS, Byrd J, Pernell BM, Kassim A, Adams-Graves P, Thompson AA, Kalinyak K, DeBaun M, Treadwell M.** Association between hospital admissions and healthcare provider communication for individuals with sickle cell disease. *Hematology* 25:229-240, 2020.

**Crotty S, Blish C, Cadwell K, Chi H, Goldrath A, Green D, Kaech SM, Krummel M, Pepper M, Rothlin CV, Wherry EJ.** Reinvigorating NIH grant peer review. *Immunity* 52:1-3, 2020.

**d'Azzo A, Annunziata I.** Transcription factor competition regulates lysosomal biogenesis and autophagy. *Mol Cell Oncol* 7:1685840, 2020.

**da Bandeira DS, Clements WK.** MYC'xing it up: Zebrafish B ALL models provide insight into MYC-driven disease and relapse. *Oncotarget* 11:2372-2374, 2020.

**Dallas RH, Rains JK, Wilder K, Humphrey W, Cross SJ, Ghafour S, Brazelton de Cardenas JN, Hayden RT, Hijano DR.** The Aerogen® Solo is an alternative to the Small Particle Aerosol Generator (SPAG-2) for administration of inhaled ribavirin. *Pharmaceutics* 12:1163, 2020.

**Dalton R, Lee SB, Claw KG, Prasad B, Phillips BR, Shen DD, Wong LH, Fade M, McDonald MG, Dunham MJ, Fowler DM, Rettie AE, Schuetz E, Thornton TA, Nickerson DA, Gaedigk A, Thummel KE, Woodahl EL.** Interrogation of CYP2D6 structural variant alleles improves the correlation between CYP2D6 genotype and CYP2D6-mediated metabolic activity.

*Clin Transl Sci* 13:147-156, 2020.

**Daniel LC, van Litsenburg RRL, Rogers VE, Zhou ES, Ellis SJ, Wakefield CE, Stremler R, Walter L, Crabtree VM.** A call to action for expanded sleep research in pediatric oncology: A position paper on behalf of the International Psycho-Oncology Society Pediatrics Special Interest Group.

*Psychooncology* 29:465-474, 2020.

**Dao TH, Alsallaq R, Parsons JB, Ferrolino J, Hayden RT, Rubnitz JE, Rafiqullah IM, Robinson DA, Margolis EB, Rosch JW, Wolf J.** Vancomycin heteroresistance and clinical outcomes in bloodstream infections caused by coagulase-negative staphylococci.

*Antimicrob Agents Chemother* 64:e00944-20, 2020.

**Dasari TK, Geiger R, Karki R, Banoth B, Sharma BR, Gurung P, Burton A, Kanneganti TD.** The nonreceptor tyrosine kinase SYK drives caspase-8/NLRP3 inflammasome-mediated autoinflammatory osteomyelitis.

*J Biol Chem* 295:3394-3400, 2020.

**Davies SM, Iannone R, Alonzo TA, Wang YC, Gerbing R, Soni S, Kolb EA, Meshinchi S, Orchard PJ, Burns LJ, Shenoy S, Leung W.** A phase 2 trial of KIR-mismatched unrelated donor transplantation using in vivo T cell depletion with antithymocyte globulin in acute myelogenous leukemia: Children's Oncology Group AAML05P1 Study.

*Biol Blood Marrow Transplant* 26:712-717, 2020.

**Davis A, Cortez V, Grodzki M, Dallas R, Ferrolino J, Freiden P, Maron G, Hakim H, Hayden RT, Tang L, Huys A, Kolawole AO, Wobus CE, Jones MK, Karst SM, Schultz-Cherry S.** Infectious norovirus is chronically shed by immunocompromised pediatric hosts.

*Viruses* 12:619, 2020.

**Davis KL, Fox E, Merchant MS, Reid JM, Kudgus RA, Liu X, Minard CG, Voss S, Berg SL, Weigel BJ, Mackall CL.** Nivolumab in children and young adults with relapsed or refractory solid tumours or lymphoma (ADV1412): A multicentre, open-label, single-arm, phase 1-2 trial.

*Lancet Oncol* 21:541-550, 2020.

**Davra V, Saleh T, Geng K, Kimani S, Mehta D, Kasikara C, Smith B, Colangelo NW, Ciccarelli B, Li H, Azzam EI, Kalodimos CG, Birge RB, Kumar S.** Cyclophilin A inhibitor Debio-025 targets Crk, reduces metastasis, and induces tumor immunogenicity in breast cancer.

*Mol Cancer Res* 18:1189-1201, 2020.

**Daw NC, Chi YY, Kalapurakal JA, Kim Y, Hoffer FA, Geller JL, Perlman EJ, Ehrlich PF, Mullen EA, Warwick AB, Grundy PE, Paulino AC, Gratias E, Ward D, Anderson JR, Khanna G, Tornwall B, Fernandez CV, Dome JS.** Activity of Vincristine and Irinotecan in Diffuse Anaplastic Wilms Tumor and Therapy Outcomes of Stage II to IV Disease: Results of the Children's Oncology Group AREN0321 Study.

*J Clin Oncol* 38:1558-1568, 2020.

**de Blank P, Li N, Fisher MJ, Ullrich NJ, Bhatia S, Yasui Y, Sklar CA, Leisenring W, Howell R, Oeffinger K, Hardy K, Okcu MF, Gibson TM, Robison LL, Armstrong GT, Krull KR.** Late morbidity and mortality in adult survivors of childhood glioma with neurofibromatosis type 1: Report from the Childhood Cancer Survivor Study.

*Genet Med* 22:1794-1802, 2020.

**DeFeo BM, Kaste SC, Li Z, Brinkman TM, Neel MD, Srivastava DK, Hudson MM, Robison LL, Karol SE, Ness KK.** Long-term functional outcomes among childhood survivors of cancer who have a history of osteonecrosis.

*Phys Ther* 100:509-522, 2020.

**Deftereos G, Sandoval A, Furtado LV, Bronner M, Matynia AP.** Successful lung cancer EGFR sequencing from DNA extracted from TTF-1 immunohistochemistry slides: A new means to extend insufficient tissue.

*Hum Pathol* 97:52-59, 2020.

**De Leoz MLA, Duewer DL, Fung A, Liu L, Yau HK, Potter O, Staples GO, Furuki K, Frenkel R, Hu Y, Sosic Z, Zhang P, Altmann F, Gru Nwald-Grube C, Shao C, Zaia J, Evers W, Pengelley S, Suckau D, Wiechmann A, Resemann A, Jabs W, Beck A, Froehlich JW, Huang C, Li Y, Liu Y, Sun S, Wang Y, Seo Y, An HJ, Reichardt NC, Ruiz JE, Archer-Hartmann S, Azadi P, Bell L, Lakos Z, An Y, Cipollo JF, Pucic-Bakovic M, Štambuk J, Lauc G, Li X, Wang PG, Bock A, Hennig R, Rapp E, Creskey M, Cyr TD, Nakano M, Sugiyama T, Leung PA, Link-Lenczowski P, Jaworek J, Yang S, Zhang H, Kelly T, Klapoetke S, Cao R, Kim JY, Lee HK, Lee JY, Yoo JS, Kim SR, Suh SK, de Haan N, Falck D, Lageveen-Kammeijer GSM,**

Wuhrer M, Emery RJ, Kozak RP, Liew LP, Royle L, Urbanowicz PA, Packer NH, Song X, Everest-Dass A, Lattová E, Cajic S, Alagesan K, Kolarich D, Kasali T, Lindo V, Chen Y, Goswami K, Gau B, Amunugama R, Jones R, Stroop CJM, Kato K, Yagi H, Kondo S, Yuen CT, Harazono A, Shi X, Magnelli PE, Kasper BT, Mahal L, Harvey DJ, O'Flaherty R, Rudd PM, Saldo R, Hecht ES, Muddiman DC, Kang J, Bhoskar P, Menard D, Saati A, Merle C, Mast S, Tep S, Truong J, Nishikaze T, Sekiya S, Shafer A, Funaoka S, Toyoda M, de Vreugd P, Caron C, Pradhan P, Tan NC, Mechref Y, Patil S, Rohrer JS, Chakrabarti R, Dadke D, Lahori M, Zou C, Cairo C, Reiz B, Whittal RM, Lebrilla CB, Wu L, Guttman A, Szigeti M, Kremkow BG, Lee KH, Sihlbom C, Adamczyk B, Jin C, Karlsson NG, Örnros J, Larson G, Nilsson J, Meyer B, Wiegandt A, Komatsu E, Perreault H, Bodnar ED, Said N, Francois YN, Leize-Wagner E, Maier S, Zeck A, Heck AJR, Yang Y, Haselberg R, Yu YQ, Alley W, Leone JW, Yuan H, Stein SE. NIST interlaboratory study on glycosylation analysis of monoclonal antibodies: Comparison of results from diverse analytical methods.

*Mol Cell Proteomics* 19:11-30, 2020.

Dell'Oro M, Short M, Wilson P, Hua CH, Gargone M, Merchant TE, Bezak E. Influence of target location, size, and patient age on normal tissue sparing- proton and photon therapy in paediatric brain tumour patient-specific approach.

*Cancers (Basel)* 12:2578, 2020.

Demirci S, Zeng J, Wu Y, Uchida N, Shen AH, Pellin D, Gamer J, Yapundich M, Drysdale C, Bonanno J, Bonifacino AC, Krouse AE, Linde NS, Engels T, Donahue RE, Haro-Mora JJ, Leonard A, Nassehi T, Luk K, Porter SN, Lazzarotto CR, Tsai SQ, Weiss MJ, Pruett-Miller SM, Wolfe SA, Bauer DE, Tisdale JF. BCL11A enhancer-edited hematopoietic stem cells persist in rhesus monkeys without toxicity.

*J Clin Invest* 130:6677-6687, 2020.

Deng MY, Sill M, Sturm D, Stichel D, Witt H, Ecker J, Wittmann A, Schittenhelm J, Ebinger M, Schuhmann MU, Figarella-Branger D, Aronica E, Staszewski O, Preusser M, Haberler C, Lauten M, Schuller U, Hartmann C, Snuderl M, Dunham C, Jabado N, Wesseling P, Deckert M, Keyvani K, Gottardo N, Giangaspero F, von Hoff K, Ellison DW, Pietsch T, Herold Mende C, Milde T, Witt O, Kool M, Korshunov A, Wick W, von Deimling A, Pfister SM, Jones DTW, Sahm F. Diffuse glioneuronal tumour with oligodendroglioma-like features and nuclear clusters (DGONC) - A molecularly-defined glioneuronal CNS tumour class displaying recurrent monosomy 14.

*Neuropathol Appl Neurobiol* 46:422-430, 2020.

Deng Z, Lim J, Wang Q, Purtell K, Wu S, Palomo GM, Tan H, Manfredi G, Zhao Y, Peng J, Hu B, Chen S, Yue Z. ALS-FTLD-linked mutations of SQSTM1/p62 disrupt selective autophagy and NFE2L2/NRF2 anti-oxidative stress pathway.

*Autophagy* 16:917-931, 2020.

DeRenzo C, Gottschalk S. Genetically modified T-cell therapy for osteosarcoma: Into the roaring 2020s.

*Adv Exp Med Biol* 1257:109-131, 2020.

Dieffenbach BV, Li N, Madenci AL, Murphy AJ, Barnea D, Gibson TM, Tonorezos ES, Leisenring WM, Howell RM, Diller LR, Liu Q, Chow EJ, Armstrong GT, Yasui Y, Oeffinger KC, Weldon CB, Weil BR. Incidence of and risk factors for late cholecystectomy in survivors of childhood cancer: A report from the Childhood Cancer Survivor Study.

*Eur J Cancer* 133:4-13, 2020.

Dimitriadis E, Menkhorst E, Saito S, Kutteh WH, Brosens JJ. Recurrent pregnancy loss.

*Nat Rev Dis Primers* 6:98, 2020.

Di Pillo F, Jimenez-Bluhm P, Baumberger C, Marambio V, Galdames P, Monti G, Schultz-Cherry S, Hamilton-West C. Movement restriction and increased surveillance as efficient measures to control the spread of highly pathogenic avian influenza in backyard productive systems in central Chile.

*Front Vet Sci* 7:424, 2020.

Dirkse D, Hadjistavropoulos HD, Alberts NA, Karin E, Schneider LH, Titov N, Dear BF. Making Internet-delivered cognitive behaviour therapy scalable for cancer survivors: A randomized non-inferiority trial of self-guided and technician-guided therapy.

*J Cancer Surviv* 14:211-225, 2020.

Diskin ER, Friedman K, Krauss S, Nolting JM, Poulson RL, Slemons RD, Stallknecht DE, Webster RG, Bowman AS. Subtype diversity of influenza A virus in North American waterfowl: A multidecade study.

*J Virol* 94:e02022-19, 2020.

Dixon SB, Chen Y, Yasui Y, Pui CH, Hunger SP, Silverman LB, Ness KK, Green DM, Howell RM, Leisenring WM, Kadan-Lottick NS, Krull KR, Oeffinger KC, Neglia JP, Mertens AC, Hudson MM, Robison LL, Armstrong GT, Nathan PC. Reduced morbidity and mortality in survivors of childhood acute lymphoblastic leukemia: A report from the Childhood Cancer Survivor Study.

*J Clin Oncol* 38:3418-3429, 2020.

**Dixon SB, Chow EJ, Hjorth L, Hudson MM, Kremer LCM, Morton LM, Nathan PC, Ness KK, Oeffinger KC, Armstrong GT.** The future of childhood cancer survivorship: Challenges and opportunities for continued progress.

*Pediatr Clin North Am* 67:1237-1251, 2020.

**Dmitriev PM, Wang H, Rosenblum JS, Prodanov T, Cui J, Pappo AS, Gilbert MR, Luty GA, Chan CC, Chew EY, Pacak K, Zhuang Z.** Vascular changes in the retina and choroid of patients with EPAS1 gain-of-function mutation syndrome.

*JAMA Ophthalmol* 138:111-223, 2020.

**Dobbins NJ, Spital CH, Black RA, Morrison JM, de Veer B, Zampino E, Harrington RD, Britt BD, Stephens KA, Wilcox AB, Tarczy-Hornoch P, Mooney SD.** Leaf: an open-source, model-agnostic, data-driven web application for cohort discovery and translational biomedical research.

*J Am Med Inform Assoc* 27:109-118, 2020.

**Dobson SM, Garcia-Prat L, Vanner RJ, Wintersinger J, Waanders E, Gu Z, McLeod J, Gan OI, Grandal I, Payne-Turner D, Edmonson MN, Ma X, Fan Y, Voisin V, Chan-Seng-Yue M, Xie SZ, Hosseini M, Abelson S, Gupta P, Rusch M, Shao Y, Olsen SR, Neale G, Chan SM, Bader G, Easton J, Guidos CJ, Danska JS, Zhang J, Minden MD, Morris Q, Mullighan CG, Dick JE.** Relapse-fated latent diagnosis subclones in acute B lineage leukemia are drug tolerant and possess distinct metabolic Programs.

*Cancer Discov* 10:568-587, 2020.

**Donepudi AC, Smith GJ, Aladelokun O, Lee Y, Toro SJ, Pfohl M, Slitt AL, Wang L, Lee JY, Schuetz JD, Manautou JE.** Lack of multidrug resistance-associated protein 4 prolongs partial hepatectomy-induced hepatic steatosis.

*Toxicol Sci* 175:301-311, 2020.

**Dovi A, Lindwall J, Sato T, Brigden J, Phipps S.** Perceived school connectedness as it relates to parent-reported behavior and adaptive skills in youth with recently diagnosed cancer.

*Child Health Care* 49:233-246, 2020.

**Drea CM, Crawford JC, Boulet M.** Lack of evidence for pheromones in lemurs.

*Curr Biol* 30:R1355-R1357, 2020.

**Du X, Zeng H, Liu S, Guy C, Dhungana Y, Neale G, Bergo MO, Chi H.** Mevalonate metabolism-dependent protein geranylgeranylation regulates thymocyte egress.

*J Exp Med* 217:e20190969, 2020.

**Duenas DM, Wilfond BS, Johnson LM.** Clearing muddy waters: The need to reconceptualize minor increase over minimal risk in pediatric rare disease research.

*Am J Bioeth* 20:8-10, 2020.

**Dunsmore KP, Winter SS, Devidas M, Wood BL, Esiashvili N, Chen Z, Eisenberg N, Briegel N, Hayashi RJ, Gastier-Foster JM, Carroll AJ, Heerema NA, Asselin BL, Rabin KR, Zweidler-Mckay PA, Raetz EA, Loh ML, Schultz KR, Winick NJ, Carroll WL, Hunger SP.** Children's Oncology Group AALL0434: A phase III randomized clinical trial testing nelarabine in newly diagnosed T-cell acute lymphoblastic leukemia.

*J Clin Oncol* 38:3282-3293, 2020.

**Eagon S, Hammill JT, Sigal M, Ahn KJ, Tryhorn JE, Koch G, Belanger B, Chaplan CA, Loop L, Kashtanova AS, Yniguez K, Lazaro H, Wilkinson SP, Rice AL, Falade MO, Takahashi R, Kim K, Cheung A, DiBernardo C, Kimball JJ, Winzeler EA, Eribez K, Mittal N, Gamo FJ, Crespo B, Churchyard A, Garcia-Barbazan I, Baum J, Anderson MO, Laleu B, Guy RK.** Synthesis and structure-activity relationship of dual-stage antimalarial pyrazolo[3,4-b]pyridines.

*J Med Chem* 63:11902-11919, 2020.

**Echlin H, Frank M, Rock C, Rosch JW.** Role of the pyruvate metabolic network on carbohydrate metabolism and virulence in *Streptococcus pneumoniae*.

*Mol Microbiol* 114:536-552, 2020.

**Echlin H, Rosch JW.** Advancing genetic tools in *Streptococcus pneumoniae*.

*Genes (Basel)* 11:965, 2020.

**Eder AE, Cox KF, Pegram TA, Barb SM, Hoehn ME, Kerr NC.** Effect of age at primary intraocular lens implantation on refractive growth in young children.

*J Pediatr Ophthalmol Strabismus* 57:264-270, 2020.

**Edwards SC, Sutton CE, Ladell K, Grant EJ, McLaren JE, Roche F, Dash P, Apiwattanakul N, Awad W, Miners KL, Lalor SJ, Ribot JC, Baik S, Moran B, McGinley A, Pivorunas V, Dowding L, Macoritto M, Paez-Cortez J, Slavin A, Anderson G,**

**Silva-Santos B, Hokamp K, Price DA, Thomas PG, McLoughlin RM, Mills KHG.** A population of proinflammatory T cells coexpresses  $\alpha\beta$  and  $\gamma\delta$  T cell receptors in mice and humans.

*J Exp Med* 217:e20190834, 2020.

**Ehrhardt MJ, Skinner R, Castellino SM.** Renal and hepatic health after childhood cancer.

*Pediatr Clin North Am* 67:1203-1217, 2020.

**Ehrhardt MJ, Ward ZJ, Liu Q, Chaudhry A, Nohria A, Border W, Fulbright JM, Mulrooney DA, Oeffinger KC, Nathan PC, Leisenring WM, Constine LS, Gibson TM, Chow EJ, Howell RM, Robison LL, Armstrong GT, Hudson MM, Diller L, Yasui Y, Armenian SH, Yeh JM.** Cost-effectiveness of the International Late Effects of Childhood Cancer Guideline Harmonization Group screening guidelines to prevent heart failure in survivors of childhood cancer.

*J Clin Oncol* 38:3851-3862, 2020.

**Ehrlich BS, Movsisyan N, Batmunkh T, Kumirova E, Borisevich MV, Kirgizov K, Graetz DE, McNeil MJ, Yakimkova T, Vinitsky A, Ferrara G, Li C, Lu Z, Kaye EC, Baker JN, Agulnik A.** Barriers to the early integration of palliative care in pediatric oncology in 11 Eurasian countries.

*Cancer* 126:4984-4993, 2020.

**Ehrlich BS, Movsisyan N, Batmunkh T, Kumirova E, Borisevich MV, Kirgizov K, Graetz DE, McNeil MJ, Yakimkova T, Vinitsky A, Ferrara G, Li C, Lu Z, Kaye EC, Baker JN, Agulnik A.** A multicountry assessment in Eurasia: Alignment of physician perspectives on palliative care integration in pediatric oncology with World Health Organization guidelines.

*Cancer* 126:3777-3787, 2020.

**Eissa SS, Clay MR, Santiago T, Wu G, Wang L, Shulkin BL, Picarsic J, Nichols KE, Campbell PK.** Dasatinib induces a dramatic response in a child with refractory juvenile xanthogranuloma with a novel MRC1-PDGFRB fusion.

*Blood Adv* 4:2991-2995, 2020.

**Eke AC, Wang J, Amin K, Shapiro DE, Stek A, Smith E, Chakhtoura N, Basar M, George K, Knapp KM, João EC, Rungruengthanakit K, Capparelli E, Burchett S, Mirochnick M, Best BM.** Fosamprenavir with ritonavir pharmacokinetics during pregnancy.

*Antimicrob Agents Chemother* 64:e02260-19, 2020.

**Elbahlawan L, Morrison R, Li Y, Huang S, Cheng C, Avent Y, Madden R.** Outcome of acute respiratory failure secondary to engraftment in children after hematopoietic stem cell transplant.

*Front Oncol* 10:584269, 2020.

**El-Gohary Y, Khan S, Hodgman E, Wynn L, Kimble A, Abdelhafeez A, Talbot L, Wang W, Davidoff AM, Murphy AJ.** Splenic function is not maintained long-term after partial splenectomy in children with sickle cell disease.

*J Pediatr Surg* 55:2471-2474, 2020.

**El-Gohary Y, Mansfield S, Staszak J, Abdelhafeez A, Talbot L, Pui CH, Gold R, Murphy AJ, Davidoff AM.** Management of pancreatic pseudocysts in pediatric oncology patients.

*J Pediatr Surg* 55:1727-1731, 2020.

**El-Gohary Y, Mansfield S, Talbot L, Murphy AJ, Davidoff AM, Abdelhafeez A.** Single-site retroperitoneoscopy in pediatric metastatic lymphadenopathy.

*J Pediatr Surg* 55:2430-2434, 2020.

**El-Gohary Y, Molina M, Chang J, Dodd A, Miller E, Harrell C, Wang F, Zhang H, Davidoff AM, Fernandez-Pineda I, Murphy AJ, Huang EY.** The use of computed tomography versus clinical acumen in diagnosing appendicitis in children: A two-institution international study.

*J Pediatr Surg*, 2020.

**Elit L, Haruyama R, Gatti A, Howard SC, Lam CG, Fidarova E, Angioli R, Cao X, Trapani D, Ilbawi A.** Examining policy cohesion for cervical cancer worldwide: Analysis of WHO country reports.

*ESMO Open* 5:e000878, 2020.

**Ellison DW.** Mini-symposium in medulloblastoma genomics in the modern molecular era.

*Brain Pathol* 30:661-663, 2020.

**Ellison DW, Aldape KD, Capper D, Fouladi M, Gilbert MR, Gilbertson RJ, Hawkins C, Merchant T, Pajtler K, Venneti S, Louis DN.** cIMPACT-NOW Update 7: Advancing the molecular classification of ependymal tumors.

*Brain Pathol* 30:863-866, 2020.



- Elsaid M, Morgan J, Colorado N, Woolsey J, Canterberry N, Rice P, Russo C.** Chemotherapy wait times in a network of pediatric oncology clinics.  
*J Pediatr Hematol Oncol* 42:e475-e478, 2020.
- Elsayed AH, Rafiee R, Cao X, Raimondi S, Downing JR, Ribeiro R, Fan Y, Gruber TA, Baker S, Klco J, Rubnitz JE, Pounds S, Lamba JK.** Correction: A six-gene leukemic stem cell score identifies high risk pediatric acute myeloid leukemia.  
*Leukemia* 34:2821, 2020.
- Elsayed AH, Rafiee R, Cao X, Raimondi S, Downing JR, Ribeiro R, Fan Y, Gruber TA, Baker S, Klco J, Rubnitz JE, Pounds S, Lamba JK.** A six-gene leukemic stem cell score identifies high risk pediatric acute myeloid leukemia.  
*Leukemia* 34:735-745, 2020.
- El-Shesheny R, Franks J, Turner J, Seiler P, Walker D, Friedman K, Mukherjee N, Kercher L, Hasan MK, Feeroz MM, Krauss S, Vogel P, McKenzie P, Barman S, Webby RJ, Webster RG.** Continued evolution of H5Nx avian influenza viruses in Bangladeshi live poultry markets: Pathogenic potential in poultry and mammalian models.  
*J Virol* 94:e01141-20, 2020.
- Eom TY, Han SB, Kim J, Blundon JA, Wang YD, Yu J, Anderson K, Kaminski DB, Sakurada SM, Pruett-Miller SM, Horner L, Wagner B, Robinson CG, Eicholtz M, Rose DC, Zakharenko SS.** Schizophrenia-related microdeletion causes defective ciliary motility and brain ventricle enlargement via microRNA-dependent mechanisms in mice.  
*Nat Commun* 11:912, 2020.
- Epperly R, Gottschalk S, Velasquez MP.** A bump in the road: How the hostile AML microenvironment affects CAR T cell therapy.  
*Front Oncol* 10:262, 2020.
- Epperly R, Gottschalk S, Velasquez MP.** Harnessing T cells to target pediatric acute myeloid leukemia: CARs, BiTEs, and beyond.  
*Children (Basel)* 17, 2020.
- Erker C, Tamrazi B, Poussaint TY, Mueller S, Mata-Mbemba D, Franceschi E, Brandes AA, Rao A, Haworth KB, Wen PY, Goldman S, Vezina G, MacDonald TJ, Dunkel IJ, Morgan PS, Jaspan T, Prados MD, Warren KE.** Response assessment in paediatric high-grade glioma: Recommendations from the Response Assessment in Pediatric Neuro-Oncology (RAPNO) working group.  
*Lancet Oncol* 21:e317-e329, 2020.
- Estcourt LJ, Kohli R, Hopewell S, Trivella M, Wang WC.** Blood transfusion for preventing primary and secondary stroke in people with sickle cell disease.  
*Cochrane Database Syst Rev* 7:CD003146, 2020.
- Etheridge AS, Gallins PJ, Jima D, Broadaway KA, Ratain MJ, Schuetz E, Schadt E, Schroder A, Molony C, Zhou Y, Mohlke KL, Wright FA, Innocenti F.** A new liver expression quantitative trait locus map from 1,183 individuals provides evidence for novel expression quantitative trait loci of drug response, metabolic, and sex-biased phenotypes.  
*Clin Pharmacol Ther* 107:1383-1393, 2020.
- Eulo V, Lesmana H, Doyle LA, Nichols KE, Hirbe AC.** Secondary sarcomas: Biology, presentation, and clinical care.  
*Am Soc Clin Oncol Educ Book* 40:1-12, 2020.
- Evans MK, Matsui Y, Xu B, Willis C, Looze J, Milburn L, Fan Y, Pagala V, Peng JC.** Ybx1 fine-tunes PRC2 activities to control embryonic brain development.  
*Nat Commun* 11:4060, 2020.
- Evans WE.** ACCP: From zero to forty.  
*J Am Coll Clin Pharm* 3:8-9, 2020.
- Evans WE, Pui CH, Yang JJ.** The promise and the reality of genomics to guide precision medicine in pediatric oncology: The decade ahead.  
*Clin Pharmacol Ther* 107:176-180, 2020.

**Fabian ID, Abdallah E, Abdullahi SU, Abdulqader RA, Adamou Boubacar S, Ademola-Popoola DS, Adio A, Afshar AR, Aggarwal P, Aghaji AE, Ahmad A, Akib MNR, Al Harby L, Al Ani MH, Alakbarova A, Portabella SA, Al-Badri SAF, Alcasabas APA, Al-Dahmash SA, Alejos A, Alemany-Rubio E, Alfa Bio AI, Alfonso Carreras Y, Al-Haddad C, Al-Hussaini**

HHY, Ali AM, Alia DB, Al-Jadiry MF, Al-Jumaily U, Alkatan HM, All-Eriksson C, Al-Mafrachi AARM, Almeida AA, Alsawidi KM, Al-Shaheen AASM, Al-Shammary EH, Amiruddin PO, Antonino R, Astbury NJ, Atalay HT, Atchaneeyasakul LO, Atsiaya R, Attaseth T, Aung TH, Ayala S, Baizakova B, Balaguer J, Balayeva R, Balwierz W, Barranco H, Bascaran C, Beck Popovic M, Benavides R, Benmiloud S, Bennani Guebessi N, Berete RC, Berry JL, Bhaduri A, Bhat S, Biddulph SJ, Biewald EM, Bobrova N, Boehme M, Boldt HC, Bonanomi MTBC, Bornfeld N, Bouda GC, Bouguila H, Boumedane A, Brennan RC, Brichard BG, Buaboonnam J, Calderón-Sotelo P, Calle Jara DA, Camuglia JE, Cano MR, Capra M, Cassoux N, Castela G, Castillo L, Català-Mora J, Chantada GL, Chaudhry S, Chaugule SS, Chauhan A, Chawla B, Chernodrinska VS, Chiwanga FS, Chuluunbat T, Cieslik K, Cockcroft RL, Comsa C, Correa ZM, Correa Llano MG, Corson TW, Cowan-Lyn KE, Csóka M, Cui X, Da Gama IV, Dangboon W, Das A, Das S, Davanzo JM, Davidson A, De Potter P, Delgado KQ, Demirci H, Desjardins L, Diaz Coronado RY, Dimaras H, Dodgshun AJ, Donaldson C, Donato Macedo CR, Dragomir MD, Du Y, Du Bruyn M, Edison KS, Eka Sutyawan IW, El Kettani A, Elbahi AM, Elder JE, Elgalaly D, Elhaddad AM, Elhassan MMA, Elzembely MM, Essuman VA, Evina TGA, Fadool Z, Fandiño AC, Faranoush M, Fasina O, Fernández DDPG, Fernández-Teijeiro A, Foster A, Frenkel S, Fu LD, Fuentes-Alabi SL, Gallie BL, Gandiwa M, Garcia JL, García Aldana D, Gassant PY, Geel JA, Ghassemi F, Girón AV, Gizachew Z, Goenz MA, Gold AS, Goldberg-Lavid M, Gole GA, Gomel N, Gonzalez E, Gonzalez Perez G, González-Rodríguez L, García Pacheco HN, Graells J, Green L, Gregersen PA, Grigorovski NDAK, Guedenon KM, Gunasekera DS, Gündüz AK, Gupta H, Gupta S, Hadjistilianou T, Hamel P, Hamid SA, Hamzah N, Hansen ED, Harbour JW, Hartnett ME, Hasanreisoglu M, Hassan S, Hassan S, Hederova S, Hernandez J, Hernandez LMC, Hessissen L, Hordofa DF, Huang LC, Hubbard GB, Hummlen M, Husakova K, Hussein Al-Janabi AN, Ida R, Ilic VR, Jairaj V, Jeeva I, Jenkinson H, Ji X, Jo DH, Johnson KP, Johnson WJ, Jones MM, Kabesha TBA, Kabore RL, Kaliki S, Kalinaki A, Kantar M, Kao LY, Kardava T, Kebudi R, Kepak T, Keren-Froim N, Khan ZJ, Khaqan HA, Khauv P, Kheir WJ, Khetan V, Khodabande A, Khotenashvili Z, Kim JW, Kim JH, Kiratli H, Kivelä TT, Klett A, Komba Palet JEK, Krivaitiene D, Kruger M, Kulvichit K, Kuntorini MW, Kyara A, Lachmann ES, Lam CPS, Lam GC, Larson SA, Latinovic S, Laurenti KD, Le BHA, Lecuona K, Leverant AA, Li C, Limbu B, Long QB, López JP, Lukamba RM, Lumbroso L, Luna-Fineman S, Lutfi D, Lysytsia L, Magrath GN, Mahajan A, Majeed AR, Maka E, Makan M, Makimbetov EK, Manda C, Martín Begue N, Mason L, Mason JO 3rd, Matende IO, Materin M, Mattosinho CCDS, Matua M, Mayet I, Mbumba FB, McKenzie JD, Medina-Sanson A, Mehrvar A, Mengesha AA, Menon V, Mercado GJVD, Mets MB, Midená E, Mishra DKC, Mndeme FG, Mohamedani AA, Mohammad MT, Moll AC, Montero MM, Morales RA, Moreira C, Mruthyunjaya P, Msina MS, Msukwa G, Mudaliar SS, Muma KI, Munier FL, Murgoi G, Murray TG, Musa KO, Mushtaq A, Mustak H, Muyen OM, Naidu G, Nair AG, Naumenko L, Ndoye Roth PA, Nancy YM, Neroev V, Ngo H, Nieves RM, Nikitovic M, Nkanga ED, Nkumbe H, Nuruddin M, Nyaywa M, Obono-Obiang G, Oguego NC, Olechowski A, Oliver SCN, Osei-Bonsu P, Ossandon D, Paez-Escamilla MA, Pagarra H, Painter SL, Paintsil V, Paiva L, Pal BP, Palanivelu MS, Pappan R, Parrozzani R, Parulekar M, Pascual Morales CR, Paton KE, Pawinska-Wasikowska K, Pe'er J, Peña A, Peric S, Pham CTM, Philbert R, Plager DA, Pochop P, Polania RA, Polyakov VG, Pompe MT, Pons JJ, Prat D, Prom V, Purwanto I, Qadir AO, Qayyum S, Qian J, Rahman A, Rahman S, Rahmat J, Rajkarnikar P, Ramanjulu R, Ramasubramanian A, Ramirez-Ortiz MA, Raobela L, Rashid R, Reddy MA, Reich E, Renner LA, Reynders D, Ribadu D, Riheia MM, Ritter-Sovinz P, Rojanaporn D, Romero L, Roy SR, Saab RH, Saakyan S, Sabhan AH, Sagoo MS, Said AMA, Saiju R, Salas B, San Román Pacheco S, Sánchez GL, Sayalith P, Scanlan TA, Scheffler AC, Schoeman J, Sedaghat A, Seregard S, Seth R, Shah AS, Shakoor SA, Sharma MK, Sherief ST, Shetye NG, Shields CL, Siddiqui SN, Sidi Cheikh S, Silva S, Singh AD, Singh N, Singh U, Singha P, Sitorus RS, Skalet AH, Soebagjo HD, Sorochnyska T, Ssali G, Stacey AW, Staffieri SE, Stahl ED, Stathopoulos C, Stirn Kranjc B, Stones DK, Strahlendorf C, Suarez MEC, Sultana S, Sun X, Sundry M, Superstein R, Supriyadi E, Surukrattanaskul S, Suzuki S, Svojgr K, Sylla F, Tamamyán G, Tan D, Tandili A, Tarrillo Leiva FF, Tashvighi M, Tateshi B, Tehuteru ES, Teixeira LF, Teh KH, Theophile T, Toledano H, Trang DL, Traoré F, Trichaiyaporn S, Tuncer S, Tyau-Tyau H, Umar AB, Unal E, Uner OE, Urbak SF, Ushakova TL, Usmanov RH, Valeina S, van Hoefen Wijssard M, Varadisai A, Vasquez L, Vaughan LO, Veleva-Krasteva NV, Verma N, Victor AA, Viksnins M, Villacís Chafra EG, Vishnevskia-Dai V, Vora T, Wachtel AE, Wackernagel W, Waddell K, Wade PD, Wali AH, Wang YZ, Weiss A, Wilson MW, Wime ADC, Wiwatwongwana A, Wiwatwongwana D, Wolley Dod C, Wongwai P, Xiang D, Xiao Y, Yam JC, Yang H, Yanga JM, Yaqub MA, Yarovaya VA, Yarovoy AA, Ye H, Yousef YA, Yuliawati P, Zapata López AM, Zein E, Zhang C, Zhang Y, Zhao J, Zheng X, Zhilyaeva K, Zia N, Ziko OAO, Zondervan M, Bowman R. Global retinoblastoma presentation and analysis by national income level.

*JAMA Oncol* 6:685-695, 2020.

Fagnan A, Bagger FO, Pique-Borras MR, Ignacimoutou C, Caulier A, Lopez C, Robert E, Uzan B, Gelsi-Boyer V, Aid Z, Thirant C, Moll U, Tauchmann S, Kurtovic-Kozaric A, Maciejewski JP, Dierks C, Spinelli O, Salmoiraghi S, Pabst T, Shimoda K, Deleuze V, Lapillonne H, Sweeney C, Mansat-De Mas V, Leite B, Kadri Z, Malinge S, de Botton S, Micol JB, Kile BT, Carmichael CL, Iacobucci I, Mullighan CG, Carroll MP, Valent P, Bernard OA, Delabesse E, Vyas P, Birnbaum D, Anguita E, Garçon L, Soler E, Schwaller J, Mercher T. Human erythroleukemia genetics and transcriptomes identify master transcription factors as functional disease drivers.

*Blood* 136:698-714, 2020.

Faizan M, Caniza MA, Anwar S, Kashif RU, Saleem R, Javed H, Zafar A, Taj MM, Hameed A, Homsí M, Rathore AW, Sadiq M, Gonzalez M, Zaidi A. Infection prevention and control measures at the Children Hospital Lahore: A My Child Matters collaborative project.

*JCO Glob Oncol* 6:1540-1545, 2020.

Fan K, McArthur J, Morrison RR, Ghafoor S. Diffuse alveolar hemorrhage after pediatric hematopoietic stem cell transplantation.

**Fangusaro J, Witt O, Hernaiz Driever P, Bag AK, de Blank P, Kadom N, Kilburn L, Lober RM, Robison NJ, Fisher MJ, Packer RJ, Young Poussaint T, Papusha L, Avula S, Brandes AA, Bouffet E, Bowers D, Artemov A, Chintagumpala M, Zurakowski D, van den Bent M, Bison B, Yeom KW, Taal W, Warren KE.** Response assessment in paediatric low-grade glioma: Recommendations from the Response Assessment in Pediatric Neuro-Oncology (RAPNO) working group. *Lancet Oncol* 21:e305-e316, 2020.

**Farhan SMK, Howrigan DP, Abbott LE, Klim JR, Topp SD, Byrnes AE, Churchhouse C, Phatnani H, Smith BN, Rampersaud E, Wu G, Wu J, Shatunov A, Iacoangeli A, Khleifat AA, Mordes DA, Ghosh S, Eggan K, Rademakers R, McCauley JL, Schule R, Zuchner S, Benatar M, Taylor JP, Nalls M, Gotkine M, Shaw PJ, Morrison KE, Al-Chalabi A, Traynor B, Shaw CE, Goldstein DB, Harms MB, Daly MJ, Neale BM.** Publisher Correction: Exome sequencing in amyotrophic lateral sclerosis implicates a novel gene, DNAJC7, encoding a heat-shock protein. *Nat Neurosci* 23:295, 2020.

**Farr J, Moskvina V, Lukose R, Yao W, Schwamm F.** Technical Note: Design and characterization of a large diameter parallel plate ionization chamber for accurate integral depth dose measurements with proton beams. *Med Phys* 47:3214-3224, 2020.

**Federico SM, Caldwell KJ, McCarville MB, Daryani VM, Stewart CF, Mao S, Wu J, Davidoff AM, Santana VM, Furman WL, Pappo AS, Navid F.** Phase I expansion cohort to evaluate the combination of bevacizumab, sorafenib and low-dose cyclophosphamide in children and young adults with refractory or recurrent solid tumours. *Eur J Cancer* 132:35-42, 2020.

**Federico SM, Pappo AS, Sahr N, Sykes A, Campagne O, Stewart CF, Clay MR, Bahrami A, McCarville MB, Kaste SC, Santana VM, Helmig S, Gartrell J, Shelat A, Brennan RC, Hawkins D, Godwin K, Bishop MW, Furman WL, Stewart E.** A phase I trial of talazoparib and irinotecan with and without temozolomide in children and young adults with recurrent or refractory solid malignancies. *Eur J Cancer* 137:204-213, 2020.

**Finch ER, Payton MA, Jenkins DA, Cai X, Li L, Karol SE, Relling MV, Janke LJ.** Fenofibrate reduces osteonecrosis without affecting antileukemic efficacy in dexamethasone treated mice. *Haematologica* 106:2095-2101, 2020.

**Finch ER, Smith CA, Yang W, Liu Y, Kornegay NM, Panetta JC, Crews KR, Molinelli AR, Cheng C, Pei D, Ramsey LB, Karol SE, Inaba H, Sandlund JT, Metzger M, Evans WE, Jeha S, Pui CH, Relling MV.** Asparaginase formulation impacts hypertriglyceridemia during therapy for acute lymphoblastic leukemia. *Pediatr Blood Cancer* 67:e28040, 2020.

**Finkel RS, Schara-Schmidt U, Hagenacker T.** Editorial: Spinal muscular atrophy: Evolutions and revolutions of modern therapy. *Front Neurol* 11:783, 2020.

**Finn PB, Bhimsaria D, Ali A, Eguchi A, Ansari AZ, Dervan PB.** Single position substitution of hairpin pyrrole-imidazole polyamides imparts distinct DNA-binding profiles across the human genome. *PLoS One* 15:e0243905, 2020.

**Fiore L, Takata N, Acosta S, Ma W, Pandit T, Oxendine M, Oliver G.** Optic vesicle morphogenesis requires primary cilia. *Dev Biol* 462:119-128, 2020.

**Fischer U, Yang JJ, Ikawa T, Hein D, Vicente-Dueñas C, Borkhardt A, Sánchez-García I.** Cell fate decisions: The role of transcription factors in early B-cell development and leukemia. *Blood Cancer Discov* 1:224-233, 2020.

**Fitzgerald GA, Terry DS, Warren AL, Quick M, Javitch JA, Blanchard SC.** Author Correction: Quantifying secondary transport at single-molecule resolution. *Nature* 579:E6, 2020.

**Flerlage T, Brazelton de Cardenas JN, Garner CD, Hasan NA, Karathia H, Qudeimat A, Maron G, Hayden R.** Multiple NDM-5-expressing Escherichia coli isolates from an immunocompromised pediatric host. *Open Forum Infect Dis* 7:ofaa018, 2020.

**Flerlage T, Souquette A, Allen EK, Brahm T, Crawford JC, Tang L, Sun Y, Maron G, Wolf J, Triplett B, Thomas PG.** Nasal wash cytokines during respiratory viral infection in pediatric allogeneic hematopoietic cell-transplant recipients. *Am J Respir Cell Mol Biol* 63:349-361, 2020.

**Fletcher EP, Burckart GJ, Robinson GW, Reaman GH, Stewart CF.** The RACE to develop new targeted therapies for children with CNS tumors.

*Clin Pharmacol Ther* 108:434-436, 2020.

**Florke Gee RR, Chen H, Lee AK, Daly CA, Wilander BA, Fon Tacer K, Potts PR.** Emerging roles of the MAGE protein family in stress response pathways.

*J Biol Chem* 295:16121-16155, 2020.

**Flynn JS, Russell KM, Lehmann V, Schenck LA, Klosky JL.** Parent recommendation to bank sperm among at-risk adolescent and young adult males with cancer.

*Pediatr Blood Cancer* 67:e28217, 2020.

**Foley AR, Zou Y, Dunford JE, Rooney J, Chandra G, Xiong H, Straub V, Voit T, Romero N, Donkervoort S, Hu Y, Markello T, Horn A, Qebibo L, Dastgir J, Meilleur KG, Finkel RS, Fan Y, Mamchaoui K, Duguez S, Nelson I, Laporte J, Santi M, Malfatti E, Maisonobe T, Touraine P, Hirano M, Hughes I, Bushby K, Oppermann U, Bohm J, Jaiswal JK, Stojkovic T, Bonnemann CG.** GGPS1 mutations cause muscular dystrophy/hearing loss/ovarian insufficiency syndrome.

*Ann Neurol* 88:332-347, 2020.

**Fonseca R, Beura LK, Quarnstrom CF, Ghoneim HE, Fan Y, Zebley CC, Scott MC, Fares-Frederickson NJ, Wijeyesinghe S, Thompson EA, Borges da Silva H, Vezys V, Youngblood B, Masopust D.** Developmental plasticity allows outside-in immune responses by resident memory T cells.

*Nat Immunol* 21:412-421, 2020.

**Ford JS, Tonorezos ES, Mertens AC, Hudson MM, Casillas J, Foster BM, Moskowitz CS, Smith SM, Chou JF, Buchanan G, Robison LL, Oeffinger KC.** Barriers and facilitators of risk-based health care for adult survivors of childhood cancer: A report from the Childhood Cancer Survivor Study.

*Cancer* 126:619-627, 2020.

**Ford RC, Marshall-Sabey D, Schuetz J.** Linker domains: Why ABC transporters 'Live in fragments no longer'.

*Trends Biochem Sci* 45:137-148, 2020.

**Fortuno C, Mester J, Pesaran T, Weitzel JN, Dolinsky J, Yussuf A, McGoldrick K, Garber JE, Savage SA, Khincha PP, Gareth Evans D, Achatz MI, Nichols KE, Maxwell K, Schiffman JD, Sandoval R, James PA, Spurdle AB.** Suggested application of HER2+ breast tumor phenotype for germline TP53 variant classification within ACMG/AMP guidelines.

*Hum Mutat* 41:1555-1562, 2020.

**Frank MW, Yao J, Batte JL, Gullett JM, Subramanian C, Rosch JW, Rock CO.** Host fatty acid utilization by *Staphylococcus aureus* at the infection site.

*MBio* 11:e00920-20, 2020.

**Friebert S, Grosseohme DH, Baker JN, Needle J, Thompkins JD, Cheng YI, Wang J, Lyon ME.** Congruence gaps between adolescents with cancer and their families regarding values, goals, and beliefs about end-of-life care.

*JAMA Netw Open* 3:e205424, 2020.

**Friedman DN, Moskowitz CS, Hilden P, Howell RM, Weathers RE, Smith SA, Wolden SL, Tonorezos ES, Mostoufi-Moab S, Chow EJ, Meacham LR, Chou JF, Whitton JA, Leisenring WM, Robison LL, Armstrong GT, Oeffinger KC, Sklar CA.** Radiation dose and volume to the pancreas and subsequent risk of diabetes mellitus.

*J Natl Cancer Inst* 112:525-532, 2020.

**Fukuoka K, Mamatjan Y, Tatevossian R, Zapotocky M, Ryall S, Stucklin AG, Bennett J, Nobre LF, Arnoldo A, Luu B, Wen J, Zhu K, Leon A, Torti D, Pugh TJ, Hazrati LN, Laperriere N, Drake J, Rutka JT, Dirks P, Kulkarni AV, Taylor MD, Bartels U, Huang A, Zadeh G, Aldape K, Ramaswamy V, Bouffet E, Snuderl M, Ellison D, Hawkins C, Tabori U.** Clinical impact of combined epigenetic and molecular analysis of pediatric low-grade gliomas.

*Neuro Oncol* 22:1474-1483, 2020.

**Fusade-Boyer M, Pato PS, Komlan M, Dogno K, Batawui K, Go-Maró E, McKenzie P, Guinat C, Secula A, Paul M, Webby RJ, Tran A, Waret-Szkuta A, Ducatez MF.** Risk mapping of influenza D virus occurrence in ruminants and swine in Togo using a spatial multicriteria decision analysis approach.

*Viruses* 12, 2020.

**Gajjar A.** Medulloblastoma: Improving cure rates in tandem with reduction in short-term toxicities and long-term treatment-related morbidities.

*Pediatr Blood Cancer* 67:e28645, 2020.

**Galletti G, De Simone G, Mazza EMC, Puccio S, Mezzanotte C, Bi TM, Davydov AN, Metsger M, Scamardella E, Alvisi G, De Paoli F, Zanon V, Scarpa A, Camisa B, Colombo FS, Anselmo A, Peano C, Polletti S, Mavilio D, Gattinoni L, Boi SK, Youngblood BA, Jones RE, Baird DM, Gostick E, Llewellyn-Lacey S, Ladell K, Price DA, Chudakov DM, Newell EW, Casucci M, Lugli E.** Two subsets of stem-like CD8(+) memory T cell progenitors with distinct fate commitments in humans. *Nat Immunol* 21:1552-1562, 2020.

**Gamlin CR, Zhang C, Dyer MA, Wong ROL.** Distinct developmental mechanisms act independently to shape biased synaptic divergence from an inhibitory neuron. *Curr Biol* 30:1258-1268.e2, 2020.

**Gammal RS, Mayes J, Caudle KE.** Key considerations for using pharmacogenomics to optimize pain management. *J Am Pharm Assoc* (2003) 60:290-291, 2020.

**Gandhi JS, Malik F, Amin MB, Argani P, Bahrami A.** MiT family translocation renal cell carcinomas: A 15th anniversary update. *Histol Histopathol* 35:125-136, 2020.

**Gandy KC, Castillo HA, Ouellette L, Castillo J, Lupo PJ, Jacola LM, Rabin KR, Raghubar KP, Gramatges MM.** The relationship between chronic health conditions and cognitive deficits in children, adolescents, and young adults with down syndrome: A systematic review. *PLoS One* 15:e0239040, 2020.

**Ganuza M, Hall T, Obeng EA, McKinney-Freeman S.** Clones assemble! The clonal complexity of blood during ontogeny and disease. *Exp Hematol* 83:35-47, 2020.

**Ganzel C, Wang XV, Rowe JM, Richards SM, Buck G, Marks DI, Litzow MR, Paietta EM, Foroni L, Luger SM, Willman CL, Mullighan CG, Roberts KG, Wiernik PH, Douer D, Lazarus HM, Tallman MS, Goldstone AH.** At three years, patients with acute lymphoblastic leukaemia are still at risk for relapse. Results of the international MRC UKALLXII/ECOG E2993 trial. *Br J Haematol* 191:37-43, 2020.

**Garcia MB, Ness KK, Schadler KL.** Exercise and physical activity in patients with osteosarcoma and survivors. *Adv Exp Med Biol* 1257:193-207, 2020.

**Garcia-Lopez J, Wallace K, Otero JH, Olsen R, Wang YD, Finkelstein D, Gudenas BL, Rehg JE, Northcott P, Davidoff AM, Freeman KW.** Large 1p36 deletions affecting Arid1a locus facilitate MYCN-driven oncogenesis in neuroblastoma. *Cell Rep* 30:454-464.e5, 2020.

**Gartrell J, Kaste SC, Sandlund JT, Flerlage J, Zhou Y, Cheng C, Estep J, Metzger ML.** The association of mediastinal mass in the formation of thrombi in pediatric patients with non-lymphoblastic lymphomas. *Pediatr Blood Cancer* 67:e28057, 2020.

**Gartrell J, Pappo A.** Recent advances in understanding and managing pediatric rhabdomyosarcoma. *F1000Res* 9:F1000 Faculty Rev-685, 2020.

**Gatti A, Haruyama R, Elit L, Howard SC, Lam CG, Ilbawi A, Angioli R, Cao X, Fidarova E.** How to reduce the impact of cervical cancer worldwide: Gaps and priority areas identified through the essential cancer and primary care packages: An analysis of effective interventions. *Cancer* 126:4697-4705, 2020.

**Gaudelli NM, Lam DK, Rees HA, Solá-Esteves NM, Barrera LA, Born DA, Edwards A, Gehrke JM, Lee SJ, Liquori AJ, Murray R, Packer MS, Rinaldi C, Slaymaker IM, Yen J, Young LE, Ciaramella G.** Directed evolution of adenine base editors with increased activity and therapeutic application. *Nat Biotechnol* 38:892-900, 2020.

**Gaur AH, McCarthy JS, Panetta JC, Dallas RH, Woodford J, Tang L, Smith AM, Stewart TB, Branum KC, Freeman BB 3rd, Patel ND, John E, Chalon S, Ost S, Heine RN, Richardson JL, Christensen R, Flynn PM, Van Gessel Y, Mitasev B, Mohrle JJ, Gusovsky F, Bebrevska L, Guy RK.** Safety, tolerability, pharmacokinetics, and antimalarial efficacy of a novel Plasmodium falciparum ATP4 inhibitor SJ733: A first-in-human and induced blood-stage malaria phase 1a/b trial. *Lancet Infect Dis* 20:964-975, 2020.

**Geel JA, Eyal KC, Hendricks MG, Myezo KH, Stones DK, Omar F, Goga Y, van Zyl A, van Emmenes B, Vaithilingum M,**

- Irusen S, Bandini RM, Wedi O, Rowe B, Ballot DE, Metzger ML.** Prognostic factors affecting survival in children and adolescents with HIV and Hodgkin lymphoma in South Africa.  
*Leuk Lymphoma* 1-14, 2020.
- Goerger B, Kang HJ, Yalon-Oren M, Marshall LV, Vezina C, Pappo A, Laetsch TW, Petrilli AS, Ebinger M, Toporski J, Glade-Bender J, Nicholls W, Fox E, DuBois SG, Macy ME, Cohn SL, Pathiraja K, Diede SJ, Ebbinghaus S, Pinto N.** Pembrolizumab in paediatric patients with advanced melanoma or a PD-L1-positive, advanced, relapsed, or refractory solid tumour or lymphoma (KEYNOTE-051): Interim analysis of an open-label, single-arm, phase 1-2 trial.  
*Lancet Oncol* 21:121-133, 2020.
- Gertz SJ, McArthur J, Hsing DD, Nitu ME, Smith LS, Loomis A, Fitzgerald JC, Duncan CN, Mahadeo KM, Moffet J, Hall MW, Pinos EL, Cheifetz IM, Rowan CM.** Respiratory pathogens associated with intubated pediatric patients following hematopoietic cell transplant.  
*Transpl Infect Dis* 22:e13297, 2020.
- Gibbs E, Perrone B, Hassan A, Kümmerle R, Kriwacki R.** NPM1 exhibits structural and dynamic heterogeneity upon phase separation with the p14ARF tumor suppressor.  
*J Magn Reson* 310:106646, 2020.
- Girodat D, Blanchard SC, Wieden HJ, Sanbonmatsu KY.** Elongation factor-Tu switch I element is a gate for aminoacyl-tRNA selection.  
*J Mol Biol* 432:3064-3077, 2020.
- Girodat D, Pati AK, Terry DS, Blanchard SC, Sanbonmatsu KY2.** Quantitative comparison between sub-millisecond time resolution single-molecule FRET measurements and 10-second molecular simulations of a biosensor protein.  
*PLoS Comput Biol* 16:e1008293, 2020.
- Glassberg JA, Linton EA, Burson K, Hendershot T, Telfair J, Kanter J, Gordeuk VR, King AA, Melvin CL, Shah N, Hankins JS, Epié AY, Richardson LD.** Publication of data collection forms from NHLBI funded sickle cell disease implementation consortium (SCDIC) registry.  
*Orphanet J Rare Dis* 15:178, 2020.
- Goggin KP, Gonzalez-Pena V, Inaba Y, Allison KJ, Hong DK, Ahmed AA, Hollemon D, Natarajan S, Mahmud O, Kuenzinger W, Youssef S, Brenner A, Maron G, Choi J, Rubnitz JE, Sun Y, Tang L, Wolf J, Gawad C.** Evaluation of plasma microbial cell-free DNA sequencing to predict bloodstream infection in pediatric patients with relapsed or refractory cancer.  
*JAMA Oncol* 6:552-556, 2020.
- Goldberg J, Bender J, Jeha S, Sulis ML, Gardner R, Pollard J, Aquino V, Laetsch T, Winick N, Fu C, Marcus L, Sun W, Verma A, Burke M, Ho P, Manley T, Mody R, Tchong W, Thomson B, Park J, Sposto R, Messinger Y, Hijiya N, Gaynon P, Barredo J.** A phase I study of panobinostat in children with relapsed and refractory hematologic malignancies.  
*Pediatr Hematol Oncol* 37:465-474, 2020.
- Goldberg JL, Navid F, Hank JA, Erbe AK, Santana V, Gan J, de Bie F, Javaid AM, Hoefges A, Merdler M, Carmichael L, Kim K, Bishop MW, Meagher MM, Gillies SD, Pandey JP, Sondel PM.** Pre-existing antitherapeutic antibodies against the Fc region of the hu14.18K322A mAb are associated with outcome in patients with relapsed neuroblastoma.  
*J Immunother Cancer* 8:e000590, 2020.
- Goldman S, Pollack IF, Jakacki RI, Billups CA, Poussaint TY, Adesina AM, Panigrahy A, Parsons DW, Broniscer A, Robinson GW, Robison NJ, Partap S, Kilburn LB, Onar-Thomas A, Dunkel IJ, Fouladi M.** Phase II study of peginterferon alpha-2b for patients with unresectable or recurrent craniopharyngiomas: A Pediatric Brain Tumor Consortium report.  
*Neuro Oncol* 22:1696-1704, 2020.
- Gomaa MR, El Rifay AS, Abu Zeid D, Elabd MA, Elabd E, Kandeil A, Shama NMA, Kamel MN, Marouf MA, Barakat A, Refaey S, Naguib A, McKenzie PP, Webby RJ, Ali MA, Kayali G.** Incidence and seroprevalence of avian influenza in a cohort of backyard poultry growers, Egypt, August 2015-March 2019.  
*Emerg Infect Dis* 26:2129-2136, 2020.
- Gomes GW, Krzeminski M, Namini A, Martin EW, Mittag T, Head-Gordon T, Forman-Kay JD, Gradinaru CC.** Conformational ensembles of an intrinsically disordered protein consistent with NMR, SAXS, and single-molecule FRET.  
*J Am Chem Soc* 142:15697-15710, 2020.
- Gordon ML, Rodriguez VM, Balk SJ, Chitkara M, Halpern A, Geller AC, Hay JL.** Skin cancer risk-reduction counseling with adolescents: Pediatrician perspectives.  
*Psychooncology* 29:1363-1365, 2020.

**Gose T, Shafi T, Fukuda Y, Das S, Wang Y, Allcock A, Gavan McHarg A, Lynch J, Chen T, Tamai I, Shelat A, Ford RC, Schuetz JD.** ABCG2 requires a single aromatic amino acid to "clamp" substrates and inhibitors into the binding pocket. *FASEB J* 34:4890-4903, 2020.

**Gotfryd K, Boesen T, Mortensen JS, Khelashvili G, Quick M, Terry DS, Missel JW, LeVine MV, Gourdon P, Blanchard SC, Javitch JA, Weinstein H, Loland CJ, Nissen P, Gether U.** X-ray structure of LeuT in an inward-facing occluded conformation reveals mechanism of substrate release. *Nat Commun* 11:1005, 2020.

**Graetz D, Kaye EC, Garza M, Ferrara G, Rodriguez M, Soberanis Vásquez DJ, Méndez Aceituno A, Antillon-Klussmann F, Gattuso JS, Mandrell BN, Baker JN, Rodriguez-Galindo C, Mack JW, Agulnik A.** Qualitative study of pediatric early warning systems' impact on interdisciplinary communication in two pediatric oncology hospitals with varying resources. *JCO Glob Oncol* 6:1079-1086, 2020.

**Graetz DE.** Finding grace in grief. *J Clin Oncol* 38:645-646, 2020.

**Graetz DE, Garza M, Rodriguez-Galindo C, Mack JW.** Pediatric cancer communication in low- and middle-income countries: A scoping review. *Cancer* 126:5030-5039, 2020.

**Graham RT, Bell EH, Webb A, Zhao Y, Timmers C, Fleming JL, Sells BE, Robison NJ, Palmer JD, Finlay JL, Chakravarti A.** Pediatric gliosarcoma with and without neurofibromatosis type 1: A whole-exome comparison of 2 patients. *J Pediatr Hematol Oncol*, 2020.

**Green AM, Wolf J.** Early recognition of sepsis saves lives, but a 1-hour antibiotic target misses the mark. *Hosp Pediatr* 10:381-383, 2020.

**Green DM.** Augmentation of therapy for combined loss of heterozygosity 1p and 16q in favorable histology Wilms tumor. *J Clin Oncol* 38:772-773, 2020.

**Green DM, Wang M, Krasin MJ, Davidoff AM, Srivastava D, Jay DW, Ness KK, Shulkin BL, Spunt SL, Jones DP, Lanctot JQ, Shelton KC, Brennan RC, Mulrooney DA, Ehrhardt MJ, Gibson TM, Kurt BA, Robison LL, Hudson MM.** Long-term renal function after treatment for unilateral, nonsyndromic Wilms tumor. A report from the St. Jude Lifetime Cohort Study. *Pediatr Blood Cancer* 67:e28271, 2020.

**Green DR.** Dances with cells. *Crit Rev Immunol* 40:355-366, 2020.

**Green DR.** Immiscible immunity. *Science* 370:294-295, 2020.

**Green DR.** SARS-CoV2 vaccines: Slow is fast. *Sci Adv* 6:eabc7428, 2020.

**Greengard E, Mosse YP, Liu X, Minard CG, Reid JM, Voss S, Wilner K, Fox E, Balis F, Blaney SM, Adamson PC, Weigel BJ.** Safety, tolerability and pharmacokinetics of crizotinib in combination with cytotoxic chemotherapy for pediatric patients with refractory solid tumors or anaplastic large cell lymphoma (ALCL): A Children's Oncology Group phase 1 consortium study (ADV1212). *Cancer Chemother Pharmacol* 86:829-840, 2020.

**Grossoehme DH, Friebert S, Baker JN, Tweddle M, Needle J, Chrastek J, Thompkins J, Wang J, Cheng YI, Lyon ME.** Association of religious and spiritual factors with patient-reported outcomes of anxiety, depressive symptoms, fatigue, and pain interference among adolescents and young adults with cancer. *JAMA Netw Open* 3:e206696, 2020.

**Grzegorzewicz AE, Gee C, Das S, Liu J, Belardinelli JM, Jones V, McNeil MR, Lee RE, Jackson M.** Mechanisms of resistance associated with the inhibition of the dehydration step of Type II fatty acid synthase in mycobacterium tuberculosis. *ACS Infect Dis* 6:195-204, 2020.

**Grzegorzewicz AE, Lelièvre J, Esquivias J, Angala B, Liu J, Lee RE, McNeil MR, Jackson M.** Lack of specificity of phenotypic screens for inhibitors of the mycobacterium tuberculosis FAS-II system.

**Guan P, Schaub R, Nichols KE, Das R.** Combination of NKT14m and low dose IL-12 promotes invariant natural killer T cell IFN-gamma production and tumor control.  
*Int J Mol Sci* 21:5085, 2020.

**Guo H, Zhang Q, Dai R, Yu B, Hoekzema K, Tan J, Tan S, Jia X, Chung WK, Hernan R, Alkuraya FS, Alsulaiman A, Al-Muhaizea MA, Lesca G, Pons L, Labalme A, Laux L, Bryant E, Brown NJ, Savva E, Ayres S, Eratne D, Peeters H, Bilan F, Letienne-Cejudo L, Gilbert-Dussardier B, Ruiz-Arana IL, Merlini JM, Boizot A, Bartoloni L, Santoni F, Karłowicz D, McDonald M, Wu H, Hu Z, Chen G, Ou J, Brasch-Andersen C, Fagerberg CR, Dreyer I, Chun-Hui Tsai A, Slegesky V, McGee RB, Daniels B, Sellars EA, Carpenter LA, Schaefer B, Sacoto MJG, Begtrup A, Schnur RE, Punj S, Wentzensen IM, Rhodes L, Pan Q, Bernier RA, Chen C, Eichler EE, Xia K.** NCKAP1 disruptive variants lead to a neurodevelopmental disorder with core features of autism.  
*Am J Hum Genet* 107:963-976, 2020.

**Guo S, Beleites C, Neugebauer U, Abalde-Cela S, Afseth NK, Alsamad F, Anand S, Araujo-Andrade C, Aškračić S, Avci E, Baia M, Baranska M, Baria E, Batista de Carvalho LAE, de Bettignies P, Bonifacio A, Bonnier F, Brauchle EM, Byrne HJ, Chourpa I, Cicchi R, Cuisinier F, Culha M, Dahms M, David C, Duponchel L, Duraipandian S, El-Mashtoly SF, Ellis DI, Eppe G, Falgayrac G, Gamulin O, Gardner B, Gardner P, Gerwert K, Giamarellos-Bourboulis EJ, Gizurarson S, Gnyba M, Goodacre R, Gysan P, Guntinas-Lichius O, Helgadottir H, Grošev VM, Kendall C, Kiselev R, Kölbach M, Krafft C, Krishnamoorthy S, Kubryck P, Lendl B, Loza-Alvarez P, Lyng FM, Machill S, Malherbe C, Marro M, Marques MPM, Matuszyk E, Morasso CF, Moreau M, Muhamadali H, Mussi V, Notinger I, Pacia MZ, Pavone FS, Penel G, Petersen D, Piot O, Rau JV, Richter M, Rybarczyk MK, Salehi H, Schenke-Layland K, Schlucker S, Schosserer M, Schütze K, Sergo V, Sinjab F, Smulko J, Sockalingum GD, Stiebing C, Stone N1, Untereiner V, Vanna R, Wieland K, Popp J, Bocklitz T.** Comparability of Raman spectroscopic configurations: A large scale cross-laboratory study.  
*Anal Chem* 92:15745-15756, 2020.

**Gupta S, Aitken J, Bartels U, Bhakta N, Bucurenci M, Brierley JD, De Camargo B, Chokunonga E, Clymer J, Coza D, Fraser C, Fuentes-Alabi S, Gatta G, Gross T, Jakab Z, Kohler B, Kutluk T, Moreno F, Nakata K, Nur S, Parkin DM, Penberthy L, Pole J, Poynter JN, Pritchard-Jones K, Ramirez O, Renner L, Steliarova-Foucher E, Sullivan M, Swaminathan R, Van Eycken L, Vora T, Frazier AL.** Development of paediatric non-stage prognosticator guidelines for population-based cancer registries and updates to the 2014 Toronto Paediatric Cancer Stage Guidelines.  
*Lancet Oncol* 21:e444-e451, 2020.

**Gupta S, Wang C, Raetz EA, Schore R, Salzer WL, Larsen EC, Maloney KW, Mattano LA Jr, Carroll WL, Winick NJ, Hunger SP, Loh ML, Devidas M.** Impact of asparaginase discontinuation on outcome in childhood acute lymphoblastic leukemia: A report from the Children's Oncology Group.  
*J Clin Oncol* 38:1897-1905, 2020.

**Ha L, Mizrahi D, Ness KK.** A decision-making algorithm for children with suspected coronavirus disease 2019.  
*JAMA Pediatr* 174:1222, 2020.

**Habel JR, Nguyen THO, van de Sandt CE, Juno JA, Chaurasia P, Wragg K, Koutsakos M, Hensen L, Jia X, Chua B, Zhang W, Tan HX, Flanagan KL, Doolan DL, Torresi J, Chen W, Wakim LM, Cheng AC, Doherty PC, Petersen J, Rossjohn J, Wheatley AK, Kent SJ, Rowntree LC, Kedzierska K.** Suboptimal SARS-CoV-2-specific CD8(+) T cell response associated with the prominent HLA-A\*02:01 phenotype.  
*Proc Natl Acad Sci U S A* 117:24384-24391, 2020.

**Haenig C, Atias N, Taylor AK, Mazza A, Schaefer MH, Russ J, Riechers SP, Jain S, Coughlin M, Fontaine JF, Freibaum BD, Brusendorf L, Zenkner M, Porras P, Stroedicke M, Schnoegl S, Arnsburg K, Boeddrich A, Pigazzini L, Heutink P, Taylor JP, Kirstein J, Andrade-Navarro MA, Sharan R, Wanker EE.** Interactome mapping provides a network of neurodegenerative disease proteins and uncovers widespread protein aggregation in affected brains.  
*Cell Rep* 32:108050, 2020.

**Hafez N, Rugo HS, Tempero MA, Fox E, Reaman GH, Lyerly HK, Walker D, LoRusso PM.** Novel therapeutic interventions early in the disease trajectory: Drug development beyond the refractory setting.  
*Clin Cancer Res* 26:4743-4747, 2020.

**Hagiwara K, Ding L, Edmonson MN, Rice SV, Newman S, Easton J, Dai J, Meshinchi S, Ries RE, Rusch M, Zhang J.** RNAIndel: Discovering somatic coding indels from tumor RNA-Seq data.  
*Bioinformatics* 36:1382-1390, 2020.

**Hagleitner MM, Metzger ML, Flerlage JE, Kelly KM, Voss SD, Kluge R, Kurch L, Cho S, Mauz-Koerholz C, Beishuizen A.** Liver involvement in pediatric Hodgkin lymphoma: A systematic review by an international collaboration on Staging Evaluation



and Response Criteria Harmonization (SEARCH) for Children, Adolescent, and Young Adult Hodgkin Lymphoma (CAYAHL). *Pediatr Blood Cancer* 67:e28365, 2020.

**Hailu D, Fufu Hordofa D, Adam Endalew H, Karimi Mutua D, Bekele W, Bonilla M, Çeliker MY, Challinor J, Dotan A, Habashy C, Kumar PN, Rodriguez-Galindo C, Wali RM, Weitzman S, Broas J, Korones DN, Alexander TB, Shad AT.** Training pediatric hematologist/oncologists for capacity building in Ethiopia. *Pediatr Blood Cancer* 67:e28760, 2020.

**Hakim H, Billett AL, Xu J, Tang L, Richardson T, Winkle C, Werner EJ, Hord JD, Bundy DG, Gaur AH.** Mucosal barrier injury-associated bloodstream infections in pediatric oncology patients. *Pediatr Blood Cancer* 67:e28234, 2020.

**Halalsheh H, Kaste SC, Krasin MJ, Sykes A, Sahr N, Spunt SL, Federico SM, Bishop MW.** Clinical impact of post-induction resolution of pulmonary lesions in metastatic Ewing sarcoma. *Pediatr Blood Cancer* 67:e28150, 2020.

**Han MJ, Annunziata I, Weesner J, Campos Y, Salie M, O'Reilly C, d'Azzo A.** Generation of human induced pluripotent stem cells (hiPSCs) from sialidosis types I and II patients with pathogenic neuraminidase 1 mutations. *Stem Cell Res* 46:101836, 2020.

**Han W, Ding Y, Chen Z, Langowski JL, Bellamacina C, Rico A, Nishiguchi GA, Lan J, Atallah G, Lindvall M, Lin S, Zang R, Feucht P, Zavorotinskaya T, Dai Y, Garcia P, Burger MT.** Synthesis and structure-activity relationship of tetra-substituted cyclohexyl diol inhibitors of proviral insertion of Moloney virus (PIM) kinases. *J Med Chem* 63:14885-14904, 2020.

**Handel A, La Gruta NL, Thomas PG.** Simulation modelling for immunologists. *Nat Rev Immunol* 20:186-195, 2020.

**Hankins JS, Shah N.** Tackling adherence in sickle cell disease with mHealth. *Lancet Haematol* 7:e713-e714, 2020.

**Hankins JS, Shah N, DiMartino L, Brambrilla D, Fernandez ME, Gibson RW, Gordeuk VR, Lottenberg R, Kutlar A, Melvin C, Simon J, Wun T, Treadwell M, Calhoun C, Baumann A, Potter MB, Klesges L, Bosworth H.** Integration of mobile health into sickle cell disease care to increase hydroxyurea utilization: Efficacy and implementation study. *JMIR Res Protoc* 9:e16319, 2020.

**Hao Shi, Yan KK, Ding L, Qian C, Chi H, Yu J.** Network approaches for dissecting the immune system. *iScience* 23:101354, 2020.

**Hardin RN, Russell KM, Flynn JS, Gammel HL, Eddinger JR, Schenck LA, Klosky JL.** Factors associated with intention of human papillomavirus (HPV) vaccine initiation among females with and without a history of childhood cancer. *J Clin Psychol Med Settings* 27:716-726, 2020.

**Hardison RC, Zhang Y, Keller CA, Xiang G, Heuston EF, An L, Lichtenberg J, Giardine BM, Bodine D, Mahony S, Li Q, Yue F, Weiss MJ, Blobel GA, Taylor J, Hughes J, Higgs DR, Gottgens B.** Systematic integration of GATA transcription factors and epigenomes via IDEAS paints the regulatory landscape of hematopoietic cells. *IUBMB Life* 72:27-38, 2020.

**Hargest V, Sharp B, Livingston B, Cortez V, Schultz-Cherry S.** Astrovirus replication is inhibited by nitazoxanide in vitro and in vivo. *J Virol* 94:e01706-19, 2020.

**Harman JL, Molnar AE, Jacola LM, Corr A, Scott A, Potter B, Schwartzberg S, Boyer H, Greeae J, Willard V.** Establishing a hospital-based early intervention program for young children with cancer: A quality improvement initiative. *Clin Pract Pediatr Psychol*, 2020.

**Harreld JH, Kaufman RA, Kang G, Maron G, Mitchell W, Thompson JW, Srinivasan A.** The use of imaging to identify immunocompromised children requiring biopsy for invasive fungal rhinosinusitis. *Pediatr Blood Cancer* 67:e28676, 2020.

**Harreld JH, Kaufman RA, Kang G, Maron G, Mitchell W, Thompson JW, Srinivasan A.** Utility of pre-hematopoietic cell transplantation sinus CT screening in children and adolescents. *AJNR Am J Neuroradiol* 41:911-916, 2020.

**Harris CJ, Helenowski I, Murphy AJ, Mansfield SA, LaQuaglia MP, Heaton TE, Cavalli M, Murphy JT, Newman E, Overmen RE, Kartal TT, Cooke-Barber J, Donaher A, Malek MM, Kalsi R, Kim ES, Zobel MJ, Goodhue CJ, Naik-Mathuria BJ, Jefferson IN, Roach JP, Mata C, Piché N, Joharifard S, Sultan S, Short SS, Meyers RL, Bleicher J, Le HD, Janek K, Bütter A, Davidson J, Aldrink JH, Richards HW, Tracy ET, Commander SJ, Fialkowski EA, Troutt M, Dasgupta R, Lautz TB.** Implications of tumor characteristics and treatment modality on local recurrence and functional outcomes in children with chest wall sarcoma: A Pediatric Surgical Oncology Research Collaborative Study.  
*Ann Surg*, 2020.

**Hassan MM, Islam A, Hasan RB, Rahman MK, Webby RJ, Hoque MA, El Zowalaty ME.** Prevalence and distribution of avian influenza viruses in domestic ducks at the waterfowl-chicken interface in wetlands.  
*Pathogens* 9:953, 2020.

**Haugen M, Skeens M, Hancock D, Ureda T, Arthur M, Hockenberry M.** Implementing a pediatric oncology nursing multisite trial.  
*J Spec Pediatr Nurs* 25:e12293, 2020.

**Hawkins C, Pfister S, Jones DTW, Shah NN, Gilbertson RJ, Sweet-Cordero EA, Dyer MA, Mosse YP, Haber M, DuBois SG.** Advances and challenges in pediatric and childhood cancers.  
*Cancer Cell* 38:429-432, 2020.

**Haworth KB.** #purpose.  
*J Palliat Med* 23:143, 2020.

**Hayashi RJ, Winter SS, Dunsmore KP, Devidas M, Chen Z, Wood BL, Hermiston ML, Teachey DT, Perkins SL, Miles RR, Raetz EA, Loh ML, Winick NJ, Carroll WL, Hunger SP, Lim MS, Gross TG, Bollard CM.** Successful outcomes of newly diagnosed T lymphoblastic lymphoma: Results from Children's Oncology Group AALL0434.  
*J Clin Oncol* 38:3062-3070, 2020.

**Hayden RT, Caliendo AM.** Persistent challenges of interassay variability in transplant viral load testing.  
*J Clin Microbiol* 58:e00782-20, 2020.

**Hayek S, Brinkman TM, Plana JC, Joshi VM, Leupker RV, Durand JB, Green DM, Partin RE, Santucci AK, Howell RM, Srivastava DK, Hudson MM, Robison LL, Armstrong GT, Ness KK.** Association of exercise intolerance with emotional distress, attainment of social roles, and health-related quality of life among adult survivors of childhood cancer.  
*JAMA Oncol* 6:1194-1202, 2020.

**Hayek S, Gibson TM, Leisenring WM, Guida JL, Gramatges MM, Lupo PJ, Howell RM, Oeffinger KC, Bhatia S, Edelstein K, Hudson MM, Robison LL, Nathan PC, Yasui Y, Krull KR, Armstrong GT, Ness KK.** Prevalence and predictors of frailty in childhood cancer survivors and siblings: A report From the Childhood Cancer Survivor Study.  
*J Clin Oncol* 38:232-247, 2020.

**He H, Lin X, Wu D, Wang J, Guo J, Green DR, Zhang H, Xu B.** Enzymatic noncovalent synthesis for mitochondrial genetic engineering of cancer cells.  
*Cell Rep Phys Sci* 1:100270, 2020.

**Heckmann BL, Teubner BJW, Boada-Romero E, Tummers B, Guy C, Fitzgerald P, Mayer U, Carding S, Zakharenko SS, Wileman T, Green DR.** Noncanonical function of an autophagy protein prevents spontaneous Alzheimer's disease.  
*Sci Adv* 6:eabb9036, 2020.

**Heidelberg RE, Alschuler KN, Ramsey WA, Alberts NM.** Hypnosis for pain in pediatric oncology: Relevant and effective or an intervention of the past?  
*Pain* 161:901-915, 2020.

**Helis CA, Hughes RT, Munley MT, Bourland JD, Jacobson T, Lucas JT, Cramer CK, Tatter SB, Laxton AW, Chan MD.** Results of a third Gamma Knife radiosurgery for trigeminal neuralgia.  
*J Neurosurg* 134:1237-1243, 2020.

**Helmig S, Cox Jennifer, Mehta B, Burlison J, Morgan J, Russo C.** Handoff communication between remote healthcare facilities.  
*Pediatr Qual Saf* 5:e269, 2020.

**Henderson R, Lu M, Zhou Y, Mu Z, Parks R, Han Q, Hsu AL, Carter E, Blanchard SC, Edwards RJ, Wiehe K, Saunders KO, Borgnia MJ, Bartesaghi A, Mothes W, Haynes BF, Acharya P, Munir Alam S.** Disruption of the HIV-1 Envelope allosteric

network blocks CD4-induced rearrangements.  
*Nat Commun* 11:520, 2020.

**Henson HE, Taylor MR.** A *sart1* zebrafish mutant results in developmental defects in the central nervous system.  
*Cells* 9:2340, 2020.

**Henssen AG, Koche R, Zhuang J, Jiang E, Reed C, Eisenberg A, Still E, MacArthur IC, Rodríguez-Fos E, Gonzalez S, Puigròs M, Blackford AN, Mason CE, de Stanchina E, Gönen M, Emde AK, Shah M, Arora K, Reeves C, Socci ND, Perlman E, Antonescu CR, Roberts CWM, Steen H, Mullen E, Jackson SP, Torrents D, Weng Z, Armstrong SA, Kentsis A.** Author Correction: PGBD5 promotes site-specific oncogenic mutations in human tumors.  
*Nat Genet* 52:1265, 2020.

**Hersh DS, Kumar R, Moore KA, Smith LGF, Tinkle CL, Chiang J, Patay Z, Gajjar A, Choudhri AF, Lee-Diaz JA, Vaughn B, Klimo P.** Safety and efficacy of brainstem biopsy in children and young adults.  
*J Neurosurg Pediatr* 1-11, 2020.

**Hicks JK, Bishop JR, Gammal RS, Sangkuhl K, Bousman CA, Leeder JS, Llerena A, Mueller DJ, Ramsey LB, Scott SA, Skaar TC, Caudle KE, Klein TE, Gaedigk A.** A call for clear and consistent communications regarding the role of pharmacogenetics in antidepressant pharmacotherapy.  
*Clin Pharmacol Ther* 107:50-52, 2020.

**Hickson M, McHugh K, McCarville B.** Primary synovial sarcomas in the paediatric and young adult population: A pictorial review.  
*Eur J Radiol* 133:109376, 2020.

**Higgins D, Mukherjee N, Pal C, Sulaiman IM, Jiang Y, Hanna S, Dunn JR, Karmaus W, Banerjee P.** Association of virulence and antibiotic resistance in salmonella-statistical and computational insights into a selected set of clinical isolates.  
*Microorganisms* 8:1465, 2020.

**Hodges JR, Phillips SM, Norell S, Nwosu C, Khan H, Luo L, Badawy SM, King A, Tanabe P, Treadwell M, Rojas Smith L, Calhoun C, Hankins JS, Porter J.** Intentional and unintentional nonadherence to hydroxyurea among people with sickle cell disease: A qualitative study.  
*Blood Adv* 4:4463-4473, 2020.

**Hoehn ME, Vestal R, Calderwood J, Gannon E, Cook B, Rochester R, Hartford C, Triplett B, Sunkara A, Kang G, Walton RC.** Ocular complications in school-age children and adolescents after allogeneic bone marrow transplantation.  
*Am J Ophthalmol* 213:153-160, 2020.

**Hoffman DP, Shtengel G, Xu CS, Campbell KR, Freeman M, Wang L, Milkie DE, Pasolli HA, Iyer N, Bogovic JA, Stabley DR, Shirinifard A, Pang S, Peale D, Schaefer K, Pomp W, Chang CL, Lippincott-Schwartz J, Kirchhausen T, Solecki DJ, Betzig E, Hess HF.** Correlative three-dimensional super-resolution and block-face electron microscopy of whole vitreously frozen cells.  
*Science* 367:eaaz5357, 2020.

**Hoffman RM, Warshaw MG, Amico KR, Pilotto J, Masheto G, Achalapong J, Machado E, Chokephaibulkit K, Duarte G, Joao E, Graham KK, Knapp KM, Stek AM, Scott GB, Coletti A, Loftis AJ, Chakhtoura N, Currier JS.** Predictors of viremia in postpartum women on antiretroviral therapy.  
*J Acquir Immune Defic Syndr* 83:72-80, 2020.

**Honce R, Karlsson EA, Wohlgemuth N, Estrada LD, Meliopoulos VA, Yao J, Schultz-Cherry S.** Obesity-related microenvironment promotes emergence of virulent influenza virus strains.  
*MBio* 11:e03341-19, 2020.

**Honce R, Schultz-Cherry S.** Recipe for zoonosis: How influenza virus leaps into human circulation.  
*Cell Host Microbe* 28:506-508, 2020.

**Honce R, Schultz-Cherry S.** A tale of two pandemics: Obesity and COVID-19.  
*J Travel Med* 27:taaa097, 2020.

**Honce R, Schultz-Cherry S.** They are what you eat: Shaping of viral populations through nutrition and consequences for virulence.  
*PLoS Pathog* 16:e1008711, 2020.

**Honce R, Wohlgemuth N, Meliopoulos VA, Short KR, Schultz-Cherry S.** Influenza in high-risk hosts-Lessons learned from

animal models.

*Cold Spring Harb Perspect Med* 10:a038604, 2020.

**Hong DS, DuBois SG, Kummur S, Farago AF, Albert CM, Rohrberg KS, van Tilburg CM, Nagasubramanian R, Berlin JD, Federman N, Mascarenhas L, Georger B, Dowlati A, Pappo AS, Bielack S, Doz F, McDermott R, Patel JD, Schilder RJ, Tahara M, Pfister SM, Witt O, Ladanyi M, Rudzinski ER, Nanda S, Childs BH, Laetsch TW, Hyman DM, Drilon A.** Larotrectinib in patients with TRK fusion-positive solid tumours: A pooled analysis of three phase 1/2 clinical trials. *Lancet Oncol* 21:531-540, 2020.

**Hoppe RT, Advani RH, Ai WZ, Ambinder RF, Armand P, Bello CM, Benitez CM, Bierman PJ, Boughan KM, Dabaja B, Gordon LI, Hernandez-Ilizaliturri FJ, Herrera AF, Hochberg EP, Huang J, Johnston PB, Kaminski MS, Kenkre VP, Khan N, Lynch RC, Maddocks K, McConathy J, McKinney M, Metzger M, Morgan D, Mulrone C, Rabinovitch R, Rosenspire KC, Seropian S, Tao R, Winter JN, Yahalom J, Burns JL, Ogba N.** Hodgkin Lymphoma, Version 2.2020, NCCN Clinical Practice Guidelines in Oncology. *J Natl Compr Canc Netw* 18:755-781, 2020.

**Hoppmann A, Williams AP, Coleman A, Tynes C, Williams GR, Mroczek-Musulman E, Aye J, Whelan KF, Clay MR, Ranganathan S, Beierle EA.** Partial response to carboplatin, etoposide phosphate, and atezolizumab in a pediatric patient with high-grade metastatic tumor with rhabdoid and focal neuroendocrine features. *Pediatr Blood Cancer* 67:e28048, 2020.

**Horwood PF, Fabrizio T, Horm SV, Metlin A, Ros S, Tok S, Jeevan T, Seiler P, Y P, Rith S, Suttie A, Buchy P, Karlsson EA, Webby R, Dussart P.** Transmission experiments support clade-level differences in the transmission and pathogenicity of Cambodian influenza A/H5N1 viruses. *Emerg Microbes Infect* 9:1702-1711, 2020.

**Hoshitsuki K, Crews KR, Yang W, Smith CA, Hankins JS, Turner AJ, Broeckel U, McMillin GA, Relling MV, Haidar CE.** Challenges in clinical implementation of CYP2D6 genotyping: choice of variants to test affects phenotype determination. *Genet Med* 22:232-233, 2020.

**Hoshitsuki K, Molinelli AR, Inaba H, Rubnitz JE, Barker PJ.** Metabolic acidosis in a pediatric patient with leukemia and fungal infection. *Clin Chem* 66:518-522, 2020.

**Hovestadt V, Ayrault O, Swartling FJ, Robinson GW, Pfister SM, Northcott PA.** Medulloblastomics revisited: biological and clinical insights from thousands of patients. *Nat Rev Cancer* 20:42-56, 2020.

**Howard LM, Edwards KM, Zhu Y, Williams DJ, Self WH, Jain S, Ampofo K, Pavia AT, Arnold SR, McCullers JA, Anderson EJ, Wunderink RG, Grijalva CG.** Parainfluenza virus types 1-3 infections among children and adults hospitalized with community-acquired pneumonia. *Clin Infect Dis* ciaa973, 2020.

**Howard TP, Oberlick EM, Rees MG, Arnoff TE, Pham MN, Brenan L, DoCarmo M, Hong AL, Kugener G, Chou HC, Drosos Y, Mathias KM, Ramos P, Seashore-Ludlow B, Giacomelli AO, Wang X, Freeman BB, Blankenship K, Hoffman L, Tiv HL, Gokhale PC, Johannessen CM, Stewart E, Schreiber SL, Hahn WC, Roberts CWM.** Rhabdoid tumors are sensitive to the protein-translation inhibitor homoharringtonine. *Clin Cancer Res* 26:4995-5006, 2020.

**Howard TP, Roberts CWM.** Partitioning of chemotherapeutics into nuclear condensates-Opening the door to new approaches for drug development. *Mol Cell* 79:544-545, 2020.

**Howard Sharp KM, Fisher RS, Clark OE, Dunnells ZDO, Murphy LK, Prussien KV, Vannatta K, Compas BE, Gerhardt CA.** Long-term trajectories of depression symptoms in mothers of children with cancer. *Health Psychol* 39:89-98, 2020.

**Howard Sharp KM, Jurbergs N, Ouma A, Harrison L, Gerhardt E, Taylor L, Hamilton K, McGee RB, Nuccio R, Quinn E, Hines-Dowell S, Kesserwan C, Sunkara A, Gattuso JS, Pritchard M, Mandrell B, Relling MV, Haidar CE, Kang G, Johnson LM, Nichols KE.** Factors associated with declining to participate in a pediatric oncology next generation sequencing study. *JCO Precis Oncol* 4:202-211, 2020.

**Howell CR, Wilson CL, Yasui Y, Srivastava DK, Liu W, Bjornard KL, Ehrhardt MJ, Brinkman TM, Chemaitilly W, Hodges JR, Lanctot JQ, Robison LL, Hudson MM, Ness KK.** Neighborhood effect and obesity in adult survivors of pediatric cancer: A

report from the St. Jude Lifetime Cohort Study.  
*Int J Cancer* 147:338-349, 2020.

**Hrusak O, Kalina T, Wolf J, Balduzzi A, Provenzi M, Rizzari C, Rives S, Del Pozo Carlavilla M, Alonso MEV, Dominguez-Pinilla N, Bourquin JP, Schmiegelow K, Attarbaschi A, Grillner P, Mellgren K, van der Werff Ten Bosch J, Pieters R, Brozou T, Borkhardt A, Escherich G, Lauten M, Stanulla M, Smith O, Yeoh AEJ, Elitzur S, Vora A, Li CK, Ariffin H, Kolenova A, Dallapozza L, Farah R, Lazic J, Manabe A, Styczynski J, Kovacs G, Ottoff G, Felice MS, Buldini B, Conter V, Sary J, Schrappe M.** Flash survey on severe acute respiratory syndrome coronavirus-2 infections in paediatric patients on anticancer treatment.  
*Eur J Cancer* 132:11-16, 2020.

**Hu M, Yang G, DeBeauchamp J, Crumpton JC, Kim H, Li L, Wan XF, Kercher L, Bowman AS, Webster RG, Webby RJ, Russell CJ.** HA stabilization promotes replication and transmission of swine H1N1 gamma influenza viruses in ferrets.  
*Elife* 9:e56236, 2020.

**Hu Q, Zhu L, Liu Y, Sun J, Srivastava DK, Robison LL.** Nonparametric screening and feature selection for ultrahigh-dimensional Case II interval-censored failure time data.  
*Biom J* 10.1002/bimj.201900154, 2020.

**Hua CH, Vern-Gross TZ, Hess CB, Olch AJ, Alaei P, Sathiseelan V, Deng J, Ulin K, Laurie F, Gopalakrishnan M, Esiashvili N, Wolden SL, Krasin MJ, Merchant TE, Donaldson SS, FitzGerald TJ, Constine LS, Hodgson DC, Haas-Kogan DA, Mahajan A, Laack NN, Marcus KJ, Taylor PA, Ahern VA, Followill DS, Buchsbaum JC, Breneman JC, Kalapurakal JA.** Practice patterns and recommendations for pediatric image-guided radiotherapy: A Children's Oncology Group report.  
*Pediatr Blood Cancer* 67:e28629, 2020.

**Huang D, Lee J, Song N, Cho S, Choe S, Shin A.** Gallstones, cholecystectomy and the risk of hepatobiliary and pancreatic cancer: A nationwide population-based cohort study in Korea.  
*J Cancer Prev* 25:164-172, 2020.

**Huang H, Long L, Zhou P, Chapman NM, Chi H.** mTOR signaling at the crossroads of environmental signals and T-cell fate decisions.  
*Immunol Rev* 295:15-38, 2020.

**Huang IC, Alberts NM, Buckley MG, Li Z, Ehrhardt MJ, Brinkman TM, Allen J, Krull KR, Klosky JL, Greene WL, Srivastava DK, Robison LL, Hudson MM, Anghelescu DL.** Change in pain status and subsequent opioid and marijuana use among long-term adult survivors of childhood cancer.  
*JNCI Cancer Spectr* 4:pkaa070, 2020.

**Huddart R, Li G, Sangkuhl K, Thorn CF, Whirl-Carrillo M, Caudle KE, Relling MV, Klein TE.** Response to: Unveiling the guidance heterogeneity for genome-informed drug treatment interventions among regulatory bodies and research consortia.  
*Pharmacol Res* 158:104838, 2020.

**Hurwitz JL.** B cells, viruses, and the SARS-CoV-2/COVID-19 pandemic of 2020.  
*Viral Immunol* 33:251-252, 2020.

**Hwang SN.** Editorial for "Practical approaches to bone marrow fat fraction quantification across magnetic resonance imaging platforms".  
*J Magn Reson Imaging* 52:307-308, 2020.

**Im A, Rashidi A, Wang T, Hemmer M, MacMillan ML, Pidala J, Jagasia M, Pavletic S, Majhail NS, Weisdorf D, Abdel-Azim H, Agrawal V, Al-Homsi AS, Aljurf M, Askar M, Auletta JJ, Bashey A, Beitinjaneh A, Bhatt VR, Byrne M, Cahn JY, Cairo M, Castillo P, Cerny J, Chhabra S, Choe H, Ciurea S, Daly A, Perez MAD, Farhadfar N, Gadalla SM, Gale R, Ganguly S, Gergis U, Hanna R, Hematti P, Herzig R, Hildebrandt GC, Lad DP, Lee C, Lehmann L, Lekakis L, Kamble RT, Kharfan-Dabaja MA, Khandelwal P, Martino R, Murthy HS, Nishihori T, O'Brien TA, Olsson RF, Patel SS, Perales MA, Prestidge T, Qayed M, Romee R, Schoemans H, Seo S, Sharma A, Solh M, Strair R, Teshima T, Urbano-Ispizua A, Van der Poel M, Vij R, Wagner JL, William B, Wirk B, Yared JA, Spellman SR, Arora M, Hamilton BK.** Risk factors for graft-versus-host disease in haploidentical hematopoietic cell transplantation using post-transplant cyclophosphamide.  
*Biol Blood Marrow Transplant* 26:1459-1468, 2020.

**Im C, Qin N, Wang Z, Qiu W, Howell CR, Sapkota Y, Moon W, Chemaitilly W, Gibson TM, Mulrooney DA, Ness KK, Wilson CL, Morton LM, Armstrong GT, Bhatia S, Zhang J, Hudson MM, Robison LL, Yasui Y.** Generalizability of "GWAS hits" in clinical populations: Lessons from childhood cancer survivors.  
*Am J Hum Genet* 107:636-653, 2020.

- Inaba H, Cao X, Chang JY, Karol SE, Panetta JC, Ness KK, Cheng C, Pui CH, Relling MV, Kaste SC.** Incidence of hip and knee osteonecrosis and their associations with bone mineral density in children with acute lymphoblastic leukaemia. *Br J Haematol* 189:e177-e181, 2020.
- Inaba H, Mullighan CG.** Pediatric acute lymphoblastic leukemia. *Haematologica* 105:2524-2539, 2020.
- Inaba H, Pui CH.** Intensive but tender care for infant ALL. *Blood* 136:1797-1798, 2020.
- Inaba H, Varchtchouk O, Neel MD, Ehrhardt MJ, Metzger ML, Karol SE, Ness KK, Ribeiro RC, Pui CH, Relling MV, Sandlund JT, Kaste SC.** Whole-joint magnetic resonance imaging to assess osteonecrosis in pediatric patients with acute lymphoblastic lymphoma. *Pediatr Blood Cancer* 67:e28336, 2020.
- Indelicato DJ, Rotondo RL, Krasin MJ, Mailhot Vega RB, Uezono H, Bradfield S, Agarwal V, Morris CG, Bradley JA.** Outcomes following proton therapy for group III pelvic rhabdomyosarcoma. *Int J Radiat Oncol Biol Phys* 106:968-976, 2020.
- Ingersoll MA, Malloy EA, Caster LE, Holland EM, Xu Z, Zallocchi M, Currier D, Liu H, He DZZ, Min J, Chen T, Zuo J, Teitz T.** BRAF inhibition protects against hearing loss in mice. *Sci Adv* 6: 2020.
- Inusa BPD, Stewart CE, Mathurin-Charles S, Porter J, Hsu LL, Atoyebi W, De Montalembert M, Diaku-Akinwumi I, Akinola NO, Andemariam B, Abboud MR, Treadwell M.** Paediatric to adult transition care for patients with sickle cell disease: A global perspective. *Lancet Haematol* 7:e329-e341, 2020.
- Isack A, Santana VM, Russo C, Klosky JL, Fasciano K, Block SD, Mack JW.** Communication Regarding Therapeutic Clinical Trial Enrollment Between Oncologists and Adolescents and Young Adults with Cancer. *J Adolesc Young Adult Oncol* 9:608-612, 2020.
- Ivashchenko AA, Mitkin OD, Jones JC, Nikitin AV, Koryakova AG, Ryakhovskiy A, Karapetian RN, Kravchenko DV, Aladinskiy V, Leneva IA, Falynskova IN, Glubokova EA, Govorkova EA, Ivachtchenko AV.** Non-rigid diarylmethyl analogs of baloxavir as cap-dependent endonuclease inhibitors of influenza viruses. *J Med Chem* 63:9403-9420, 2020.
- Jabbour E, Richard-Carpentier G, Sasaki Y, Konopleva M, Patel K, Roberts K, Gu Z, Wang F, Huang X, Sasaki K, Short NJ, Jain N, Ravandi F, Daver NG, Kadia TM, Alvarado Y, DiNardo CD, Issa GC, Pemmaraju N, Garcia-Manero G, Verstovsek S, Wang S, Khoury JD, Jorgensen J, Champlin R, Khouri I, Kebriaei P, Schroeder H, Khouri M, Mullighan CG, Takahashi K, O'Brien SM, Kantarjian H.** Hyper-CVAD regimen in combination with ofatumumab as frontline therapy for adults with Philadelphia chromosome-negative B-cell acute lymphoblastic leukaemia: A single-arm, phase 2 trial. *Lancet Haematol* 7:e523-e533, 2020.
- Jacobson DL, Lindsey JC, Gordon C, Hazra R, Spiegel H, Ferreira F, Amaral FR, Pagano-Therrien J, Gaur A, George K, Benson J, Siberry GK.** Alendronate improves bone mineral density in perinatally HIV-infected children and adolescents with low bone mineral density for age. *Clin Infect Dis* 71:1281-1288, 2020.
- Jacola LM, Anghelescu DL, Hall L, Russell K, Zhang H, Wang F, Peters JB, Rossi M, Schreiber JE, Gajjar A.** Anesthesia exposure during therapy predicts neurocognitive outcomes in survivors of childhood medulloblastoma. *J Pediatr* 223:141-147.e4, 2020.
- James N, Marwaha S, Brough S, John TT.** Impact of single sign-on adoption in an assessment triage unit: A hospital's journey to higher efficiency. *J Nurs Adm* 50:159-164, 2020.
- Jang Y, Kim YS, Wielgosz MM, Ferrara F, Ma Z, Condori J, Palmer LE, Zhao X, Kang G, Rawlings DJ, Zhou S, Ryu BY.** Optimizing lentiviral vector transduction of hematopoietic stem cells for gene therapy. *Gene Ther* 27:545-556, 2020.
- Jeong JH, Choi WS, Antigua KJC, Choi YK, Govorkova EA, Webby RJ, Baek YH, Song MS.** In vitro profiling of laninamivir-resistant substitutions in N3 to N9 avian influenza neuraminidase subtypes and their association with in vivo susceptibility. *J Virol* 95:e01679-20, 2020.

**Ji L, Chen M, Oravec Z, Cummings EM, Lu ZH, Chow SM.** A Bayesian vector autoregressive model with nonignorable missingness in dependent variables and covariates: Development, evaluation, and application to family processes. *Struct Equ Modeling* 27:442-467, 2020.

**Jiang J, Hu YC, Tyagi N, Wang C, Lee N, Deasy JO, Sean B, Veeraraghavan H.** Self-derived organ attention for unpaired CT-MRI deep domain adaptation based MRI segmentation. *Phys Med Biol* 65:205001, 2020.

**Jiang Y, Liu T, Lee CH, Chang Q, Yang J, Zhang Z.** The NAD(+)-mediated self-inhibition mechanism of pro-neurodegenerative Sarm1. *Nature* 588:658-663, 2020.

**Jiao F, Li Z, He C, Xu W, Yang G, Liu T, Shen H, Cai J, Anastas JN, Mao Y, Yu Y, Lan F, Shi YG, Jones C, Xu Y, Baker SJ, Shi Y, Guo R.** RACK7 recognizes H3.3G34R mutation to suppress expression of MHC class II complex components and their delivery pathway in pediatric glioblastoma. *Sci Adv* 6:eaba2113, 2020.

**Jin H, Kasper LH, Larson JD, Wu G, Baker SJ, Zhang J, Fan Y.** ChIPseqSpikeInFree: A ChIP-seq normalization approach to reveal global changes in histone modifications without spike-in. *Bioinformatics* 36:1270-1272, 2020.

**Johnson LM, Duenas DM, Wilfond BS.** Click here to complete this survey: Online research, adolescents, and parental consent. *Am J Bioeth* 20:82-83, 2020.

**Johnson LM, Duenas DM, Wilfond BS.** Ethical drug development for rare childhood diseases: When there are limited but promising data in adults, how to choose between safety or efficacy studies? *Am J Bioeth* 20:111-113, 2020.

**Jones BG, Penkert RR, Surman SL, Sealy RE, Hurwitz JL.** Nuclear receptors, ligands and the mammalian B cell. *Int J Mol Sci* 21:4997, 2020.

**Jones BG, Sealy RE, Penkert RR, Surman SL, Birshtein BK, Xu B, Neale G, Maul RW, Gearhart PJ, Hurwitz JL.** From influenza virus infections to lupus: Synchronous estrogen receptor  $\alpha$  and RNA polymerase II binding within the immunoglobulin heavy chain locus. *Viral Immunol* 33:307-315, 2020.

**Jones JC, Pascua PNQ, Fabrizio TP, Marathe BM, Seiler P, Barman S, Webby RJ, Webster RG, Govorkova EA.** Influenza A and B viruses with reduced baloxavir susceptibility display attenuated in vitro fitness but retain ferret transmissibility. *Proc Natl Acad Sci U S A* 117:8593-8601, 2020.

**Jones LC, Kaste SC, Karol SE, DeFeo B, Kim HKW, Neel MD, Levin AS.** Team approach: Management of osteonecrosis in children with acute lymphoblastic leukemia. *Pediatr Blood Cancer* 67:e28509, 2020.

**Jones SC, Ng YC, Ost SR.** HIV health care transition readiness: Embracing the opportunity and challenge. *J Assoc Nurses AIDS Care* 30:521-530, 2020.

**Kachuri L, Francis SS, Morrison ML, Wendt GA, Bossé Y, Cavazos TB, Rashkin SR, Ziv E, Witte JS.** The landscape of host genetic factors involved in immune response to common viral infections. *Genome Med* 12:93, 2020.

**Kahalley LS, Peterson R, Ris MD, Janzen L, Okcu MF, Grosshans DR, Ramaswamy V, Paulino AC, Hodgson D, Mahajan A, Tsang DS, Laperriere N, Whitehead WE, Dauser RC, Taylor MD, Conklin HM, Chintagumpala M, Bouffet E, Mabbott D.** Superior intellectual outcomes after proton radiotherapy compared with photon radiotherapy for pediatric medulloblastoma. *J Clin Oncol* 38:454-461, 2020.

**Kahn JM, Brazauskas R, Tecca HR, Bo-Subait S, Buchbinder D, Battiwala M, Flowers MED, Savani BN, Phelan R, Broglie L, Abraham AA, Keating AK, Daly A, Wirk B, George B, Alter BP, Ustun C, Freytes CO, Beitinjaneh AM, Duncan C, Copelan E, Hildebrandt GC, Murthy HS, Lazarus HM, Auletta JJ, Myers KC, Williams KM, Page KM, Vrooman LM, Norkin M, Byrne M, Diaz MA, Kamani N, Bhatt NS, Rezvani A, Farhadfar N, Mehta PA, Hematti P, Shaw PJ, Kamble RT, Schears R, Olsson RF, Hayashi RJ, Gale RP, Mayo SJ, Chhabra S, Rotz SJ, Badawy SM, Ganguly S, Pavletic S, Nishihori T, Prestidge T, Agrawal V, Hogan WJ, Inamoto Y, Shaw BE, Satwani P.** Subsequent neoplasms and late mortality in children undergoing allogeneic transplantation for nonmalignant diseases.

*Blood Adv* 4:2084-2094, 2020.

**Kaluarachchi M, Moskvin V, Pirlepsov F, Wilson LJ, Xie F, Faught AM.** Automation of Monte Carlo-based treatment plan verification for proton therapy.

*J Appl Clin Med Phys* 21:131-138, 2020.

**Kandeil A1, Goma MR, El Taweel A, Mostafa A, Shehata M, Kayed AE, Kutkat O, Moatasim Y, Mahmoud SH, Kamel MN, Shama NMA, El Sayes M, El-Shesheny R, Yassien MA, Webby RJ, Kayali G.** Common childhood vaccines do not elicit a cross-reactive antibody response against SARS-CoV-2.

*PLoS One* 15:e0241471, 2020.

**Kanneganti TD.** Intracellular innate immune receptors: Life inside the cell.

*Immunol Rev* 297:5-12, 2020.

**Kanter J, Gibson R, Lawrence RH, Smeltzer MP, Pugh NL, Glassberg J, Masese RV, King AA, Calhoun C, Hankins JS, Treadwell M.** Perceptions of US adolescents and adults with sickle cell disease on their quality of care.

*JAMA Netw Open* 3:e206016, 2020.

**Kanwar VS, Schwartz KR, Salifu N, Abdelfattah AM, Anim B, Cayrol J, Sniderman E, Eden T.** The role of twinning in sustainable care for children with cancer: A TIPPING point? SIOP PODC Working Group on Twinning, Collaboration, and Support.

*Pediatr Blood Cancer* 67:e28667, 2020.

**Karayel Ö, Xu P, Bludau I, Bhoopalan SV, Yao Y, Ana Rita FC, Santos A, Schulman BA, Alpi AF, Weiss MJ, Mann M.** Integrative proteomics reveals principles of dynamic phosphosignaling networks in human erythropoiesis.

*Mol Syst Biol* 16:e9813, 2020.

**Karki R, Lee E, Sharma BR, Banoth B, Kanneganti TD.** IRF8 regulates gram-negative bacteria-mediated NLRP3 inflammasome activation and cell death.

*J Immunol* 204:2514-2522, 2020.

**Karki R, Sharma BR, Lee E, Banoth B, Malireddi RKS, Samir P, Tuladhar S, Mummareddy H, Burton AR, Vogel P, Kanneganti TD.** Interferon regulatory factor 1 regulates PANoptosis to prevent colorectal cancer.

*JCI Insight* 5:e136720, 2020.

**Karlson CW, Alberts NM, Liu W, Brinkman TM, Annett RD, Mulrooney DA, Schulte F, Leisenring WM, Gibson TM, Howell RM, Srivastava D, Oeffinger KC, Robison LL, Armstrong GT, Zeltzer LK, Krull KR.** Longitudinal pain and pain interference in long-term survivors of childhood cancer: A report from the Childhood Cancer Survivor Study.

*Cancer* 126:2915-2923, 2020.

**Karnak İ, Gedikoğlu G, Oğuz B, Söylemezoğlu F, Bahrami A, Chiang J, Kutluk T.** High-grade neuroepithelial tumor with medulloepithelioma-like areas out of the central nervous system in an infant with hemihypertrophy: A unique association.

*Turk J Pediatr* 62:836-842, 2020.

**Karol SE, Alexander TB, Budhraj A, Pounds SB, Canavera K, Wang L, Wolf J, Klco JM, Mead PE, Das Gupta S, Kim SY, Salem AH, Palenski T, Lacayo NJ, Pui CH, Opferman JT, Rubnitz JE.** Venetoclax in combination with cytarabine with or without idarubicin in children with relapsed or refractory acute myeloid leukaemia: A phase 1, dose-escalation study.

*Lancet Oncol* 21:551-560, 2020.

**Karol SE, Cooper TM, Mead PE, Crews KR, Panetta JC, Alexander TB, Taub JW, Lacayo NJ, Heym KM, Kuo DJ, Schiff DE, Bhojwani D, Ge Y, Klco JM, Ribeiro RC, Inaba H, Pui CH, Rubnitz JE.** Safety, pharmacokinetics, and pharmacodynamics of panobinostat in children, adolescents, and young adults with relapsed acute myeloid leukemia.

*Cancer* 126:4800-4805, 2020.

**Karol SE, Pui CH.** Personalized therapy in pediatric high-risk B-cell acute lymphoblastic leukemia.

*Ther Adv Hematol* 11:2040620720927575, 2020.

**Karol SE, Sun Y, Tang L, Pui CH, Ferrolino J, Allison KJ, Cross SJ, Evans WE, Crews KR, Jeha S, Wolf J.** Fluoroquinolone prophylaxis does not increase risk of neuropathy in children with acute lymphoblastic leukemia.

*Cancer Med* 9:6550-6555, 2020.

**Karol SE, Yang JJ.** Pharmacogenomics and ALL treatment: How to optimize therapy.

*Semin Hematol* 57:130-136, 2020.



**Karra L, Romero-Moya D, Ksionda O, Krush M, Gu Z, Mues M, Depeille P, Mullighan C, Roose JP.** Increased baseline RASGRP1 signals enhance stem cell fitness during native hematopoiesis.

*Oncogene* 39:6920-6934, 2020.

**Kasper LH, Baker SJ.** Invited review: Emerging functions of histone H3 mutations in paediatric diffuse high-grade gliomas.

*Neuropathol Appl Neurobiol* 46:73-85, 2020.

**Kaste S, Suliman AY, Li Y, Keerthi D, Kang G, Triplett B, Srinivasan A.** Pre- and post-magnetic resonance imaging of hips and knees for detecting osteonecrosis in children and adolescents undergoing hematopoietic cell transplantation.

*Bone Marrow Transplant* 55:1837-1839, 2020.

**Kaye EC.** Finding faith.

*JAMA* 323:609-610, 2020.

**Kaye EC.** One in four - The importance of comprehensive fertility benefits for the medical workforce.

*N Engl J Med* 382:1491-1493, 2020.

**Kaye EC, Applegarth J, Gattas M, Kiefer A, Reynolds J, Zalud K, Baker JN.** Hospice nurses request paediatric-specific educational resources and training programs to improve care for children and families in the community: Qualitative data analysis from a population-level survey.

*Palliat Med* 34:403-412, 2020.

**Kaye EC, Cannone D, Snaman JM, Baker JN, Spraker-Perlman H.** The state of the science for communication training in pediatric oncology: A systematic review.

*Pediatr Blood Cancer* 67:e28607, 2020.

**Kaye EC, Gattas M, Bluebond-Langner M, Baker JN.** Longitudinal investigation of prognostic communication: Feasibility and acceptability of studying serial disease reevaluation conversations in children with high-risk cancer.

*Cancer* 126:131-139, 2020.

**Kaye EC, Gattas M, Kiefer A, Reynolds J, Zalud K, Li C, Lu Z, Baker JN.** Investigation of modifiable variables to increase hospice nurse comfort with care provision to children and families in the community: A population-level study across Tennessee, Mississippi, and Arkansas.

*J Pain Symptom Manage* 60:1144-1153, 2020.

**Kaye EC, Kegel A, Weber M, Cartwright C, Spraker-Perlman H, Robinson GW, Baker JN.** Food is love: Partnering with families to provide nourishment at the end of life.

*J Clin Oncol* 38:1864-1867, 2020.

**Kaye EC, Kiefer A, Blazin L, Spraker-Perlman H, Clark L, Baker JN.** Bereaved parents, hope, and realism.

*Pediatrics* 145:e20192771, 2020.

**Keating R, Johnson JL, Brice DC, Labombarde JG, Dent AL, McGargill MA.** Broadly reactive influenza antibodies are not limited by germinal center competition with high-affinity antibodies.

*MBio* 11: 2020.

**Keenan C, Graham RT, Harreld JH, Lucas JT Jr, Finkelstein D, Wheeler D, Li X, Dalton J, Upadhyaya SA, Raimondi SC, Boop FA, DeCuypere M, Zhang J, Vinitzky A, Wang L, Chiang J.** Infratentorial C11orf95-fused gliomas share histologic, immunophenotypic, and molecular characteristics of supratentorial RELA-fused ependymoma.

*Acta Neuropathol* 140:963-965, 2020.

**Keim G, Yehya N, Spear D, Hall MW, Loftis LL, Alten JA, McArthur J, Patwari PP, Freishtat RJ, Willson DF, Straumanis JP, Thomas NJ, Pediatric Acute Lung Injury and Sepsis Investigators PALISI Network.** Development of persistent respiratory morbidity in previously healthy children after acute respiratory failure.

*Crit Care Med* 48:1120-1128, 2020.

**Kennedy DE, Okoreeh MK, Maienschein-Cline M, Ai J, Veselits M, McLean KC, Dhungana Y, Wang H, Peng J, Chi H, Mandal M, Clark MR.** Novel specialized cell state and spatial compartments within the germinal center.

*Nat Immunol* 21:660-670, 2020.

**Kennedy WR, DeWees TA, Acharya S, Mahmood M, Knutson NC, Goddu SM, Kavanaugh JA, Mitchell TJ, Rich KM, Kim AH, Leuthardt EC, Dowling JL, Dunn GP, Chicoine MR, Perkins SM, Huang J, Tsien CI, Robinson CG, Abraham CD.** Internal dose escalation associated with increased local control for melanoma brain metastases treated with stereotactic radiosurgery.

*J Neurosurg* 1-7, 2020.

**Kenney AE, Harman JL, Molnar AE Jr, Jurbergs N, Willard VW.** Early cognitive and adaptive functioning of clinically referred infants and toddlers with cancer.

*J Clin Psychol Med Settings* 27:41-47, 2020.

**Kerpel A, Yalon M, Soudack M, Chiang J, Gajjar A, Nichols KE, Patay Z, Shrot S, Hoffmann C.** Neuroimaging findings in children with constitutional mismatch repair deficiency syndrome.

*AJNR Am J Neuroradiol* 41:904-910, 2020.

**Kesavardhana S, Kanneganti TD.** ZBP1: A STARGATE to decode the biology of Z-nucleic acids in disease.

*J Exp Med* 217:e20200885, 2020.

**Kesavardhana S, Malireddi RKS, Burton AR, Porter SN, Vogel P, Pruett-Miller SM, Kanneganti TD.** The Z $\alpha$ 2 domain of ZBP1 is a molecular switch regulating influenza-induced PANoptosis and perinatal lethality during development.

*J Biol Chem* 295:8325-8330, 2020.

**Kesavardhana S, Malireddi RKS, Kanneganti TD.** Caspases in cell death, inflammation, and gasdermin-induced pyroptosis.

*Annu Rev Immunol* 38:567-595, 2020.

**Kesselheim J, Baker JN, Kersun L, Lee-Miller C, Moerdler S, Snaman JM, Warwick A, Weng S, Zhang Z.** Humanism and professionalism training for pediatric hematology-oncology fellows: Results of a multicenter randomized trial.

*Pediatr Blood Cancer* 67:e28308, 2020.

**Khalatbari H, Shulkin BL, Parisi MT.** Pictorial review of the clinical applications of MIBG in neuroblastoma: Current practices.

*Clin Transl Imaging* 8:483-507, 2020.

**Kim EM, Kim SA, Lee JR, Burlison JD, Oh EG.** Psychometric properties of Korean version of the Second Victim Experience and Support Tool (K-SVEST).

*J Patient Saf* 16:179-186, 2020.

**Kim H, Jang JH, Song YE, Seo T.** Kaposi's sarcoma-associated herpesvirus viral protein kinase phosphorylates extracellular signal-regulated kinase and activates MAPK/ERK signaling pathway.

*Biochem Biophys Res Commun* 521:1083-1088, 2020.

**Kim H, Jeon BT, Kim IM, Bennett SJ, Lorch CM, Viana MP, Myers JF, Trupp CJ, Whipps ZT, Kundu M, Chung S, Sun X, Khalimonchuk O, Lee J, Ro SH.** Sestrin2 phosphorylation by ULK1 induces autophagic degradation of mitochondria damaged by copper-induced oxidative stress.

*Int J Mol Sci* 21:6130, 2020.

**Kim H, Seiler P, Jones JC, Ridout G, Camp KP, Fabrizio TP, Jeevan T, Miller LA, Throm RE, Ferrara F, Fredrickson RL, Lowe JF, Wang L, Odemuyiwa SO, Wan XF, Webby RJ.** Antibody responses to SARS-CoV-2 antigens in humans and animals.

*Vaccines (Basel)* 8:684, 2020.

**Kim JY, Bai Y, Jayne LA, Hector RD, Persaud AK, Ong SS, Rojesh S, Raj R, Feng MJHH, Chung S, Cianciolo RE, Christman JW, Campbell MJ, Gardner DS, Baker SD, Sparreboom A, Govindarajan R, Singh H, Chen T, Poi M, Susztak K, Cobb SR, Pabla NS.** A kinome-wide screen identifies a CDKL5-SOX9 regulatory axis in epithelial cell death and kidney injury.

*Nat Commun* 11:1924, 2020.

**Kim TH, Tao X, Moya B, Jiao Y, Basso KB, Zhou J, Lang Y, Sutaria DS, Zavascki AP, Barth AL, Reeve SM, Schweizer HP, Deveson Lucas D, Boyce JD, Bonomo RA, Lee RE, Shin BS, Louie A, Drusano GL, Bulitta JB.** Novel cassette assay to quantify the outer membrane permeability of five  $\beta$ -lactams simultaneously in carbapenem-resistant *Klebsiella pneumoniae* and *Enterobacter cloacae*.

*MBio* 11:e03189-19, 2020.

**Kim TK, Lee I, Cho JH, Canine B, Keller A, Price ND, Hwang D, Carlson G, Hood L.** Core transcriptional regulatory circuits in prion diseases.

*Mol Brain* 13:10, 2020.

**Kim YI, Kim SG, Kim SM, Kim EH, Park SJ, Yu KM, Chang JH, Kim EJ, Lee S, Casel MAB, Um J, Song MS, Jeong HW, Lai VD, Kim Y, Chin BS, Park JS, Chung KH, Foo SS, Poo H, Mo IP, Lee OJ, Webby RJ, Jung JU, Choi YK.** Infection and rapid transmission of SARS-CoV-2 in ferrets.

*Cell Host Microbe* 27:704-709.e2, 2020.

**Kimura S, Mullighan CG.** Molecular markers in ALL: Clinical implications.  
*Best Pract Res Clin Haematol* 33:101193, 2020.

**Kjellin M, Qudeimat A, Browne E, Keerthi D, Sunkara A, Kang G, Winfield A, Giannini MA, Maron G, Hayden R, Leung W, Triplett B, Srinivasan A.** Effectiveness of bath wipes after hematopoietic cell transplantation: A randomized trial.  
*J Pediatr Oncol Nurs* 37:390-397, 2020.

**Klossowski S, Miao H, Kempinska K, Wu T, Purohit T, Kim E, Linhares BM, Chen D, Jih G, Perkey E, Huang H, He M, Wen B, Wang Y, Yu K, Lee SC, Danet-Desnoyers G, Trotman W, Kandarpa M, Cotton A, Abdel-Wahab O, Lei H, Dou Y, Guzman M, Peterson L, Gruber T, Choi S, Sun D, Ren P, Li LS, Liu Y, Burrows F, Maillard I, Cierpicki T, Grembecka J.** Menin inhibitor MI-3454 induces remission in MLL1-rearranged and NPM1-mutated models of leukemia.  
*J Clin Invest* 130:981-997, 2020.

**Knox-Brown P, Rindfleisch T, Gunther A, Balow K, Bremer A, Walther D, Miettinen MS, Hinch DK, Thalhammer A.** Similar yet different-structural and functional diversity among *Arabidopsis thaliana* LEA\_4 proteins.  
*Int J Mol Sci* 21:2794, 2020.

**Koelink PJ, Bloemendaal FM, Li B, Westera L, Vogels EWM, van Roest M, Gloudemans AK, van 't Wout AB, Korf H, Vermeire S, Te Velde AA, Ponsioen CY, D'Haens GR, Verbeek JS, Geiger TL, Wildenberg ME, van den Brink GR.** Anti-TNF therapy in IBD exerts its therapeutic effect through macrophage IL-10 signaling.  
*Gut* 69:1053-1063, 2020.

**Koirala S, Klein J, Zheng Y, Glenn NO, Eisemann T, Fon Tacer K, Miller DJ, Kulak O, Lu M, Finkelstein DB, Neale G, Tillman H, Vogel P, Strand DW, Lum L, Brautigam CA, Pascal JM, Clements WK, Potts PR.** Tissue-specific regulation of the Wnt/ $\beta$ -catenin pathway by PAGE4 inhibition of tankyrase.  
*Cell Rep* 32:107922, 2020.

**Kozyra EJ, Pastor VB, Lefkopoulos S, Sahoo SS, Busch H, Voss RK, Erlacher M, Lebrecht D, Szvetnik EA, Hirabayashi S, Pasauliene R, Pedace L, Tartaglia M, Klemann C, Metzger P, Boerries M, Catala A, Hasle H, de Haas V, Kallay K, Masetti R, De Moerloose B, Dworzak M, Schmutz M, Smith O, Stary J, Mejstrikova E, Ussowicz M, Morris E, Singh P, Collin M, Derecka M, Gohring G, Flotho C, Strahm B, Locatelli F, Niemeyer CM, Trompouki E, Wlodarski MW.** Synonymous GATA2 mutations result in selective loss of mutated RNA and are common in patients with GATA2 deficiency.  
*Leukemia* 34:2673-2687, 2020.

**Krantz MS, Liu Y, Phillips EJ, Stone CA Jr.** Anaphylaxis to PEGylated liposomal echocardiogram contrast in a patient with IgE-mediated macrogol allergy.  
*J Allergy Clin Immunol Pract* 8:1416-1419.e3, 2020.

**Kratz CP, Villani A, Nichols KE, Schiffman J, Malkin D.** Cancer surveillance for individuals with Li-Fraumeni syndrome.  
*Eur J Hum Genet* 28:1481-1482, 2020.

**Krull KR.** Dexamethasone and neurocognitive outcomes in survivors of childhood acute lymphoblastic leukemia.  
*Pediatr Blood Cancer* 67:e28118, 2020.

**Krull KR, Pui CH.** Association of anesthesia care and cognitive outcomes in survivors of childhood acute lymphoblastic leukemia-Reply.  
*JAMA Oncol* 6:158-159, 2020.

**Krull MR, Howell CR, Partin RE, Lancot J, Phipps S, Klosky JL, Carney G, Mulrooney DA, Robison LL, Hudson MM, Ness KK.** Protein supplementation and resistance training in childhood cancer survivors.  
*Med Sci Sports Exerc* 52:2069-2077, 2020.

**Kullmann JA, Trivedi N, Howell D, Laumonerie C, Nguyen V, Banerjee SS, Stabley DR, Shirinifard A, Rowitch DH, Solecki DJ.** Oxygen tension and the VHL-Hif1 $\alpha$  pathway determine onset of neuronal polarization and cerebellar germinal zone exit.  
*Neuron* 106:607-623.e5, 2020.

**Kumar R, Dhanda SK.** Bird eye view of protein subcellular localization prediction.  
*Life (Basel)* 10:347, 2020.

**Kumar R, Dhanda SK.** Current status on population genome catalogues in different countries.  
*Bioinformatics* 16:297-300, 2020.

**Kumar R, Liu APY, Northcott PA.** Medulloblastoma genomics in the modern molecular era.  
*Brain Pathol* 30:679-690, 2020.

**Kumaran M, Ghosh S, Joy AA, Mackey JR, Cass CE, Zheng W, Yasui Y, Damaraju S.** Fine-mapping of a novel premenopausal breast cancer susceptibility locus at Chr4q31.22 in Caucasian women and validation in African and Chinese women.  
*Int J Cancer* 146:1219-1229, 2020.

**Kutscher LM, Okonechnikov K, Batora NV, Clark J, Silva PBG, Vouri M, van Rijn S, Sieber L, Statz B, Gearhart MD, Shiraishi R, Mack N, Orr BA, Korshunov A, Gudenas BL, Smith KS, Mercier AL, Ayrault O, Hoshino M, Kool M, von Hoff K, Graf N, Fleishhack G, Bardwell VJ, Pfister SM, Northcott PA, Kawachi D.** Functional loss of a noncanonical BCOR-PRC1.1 complex accelerates SHH-driven medulloblastoma formation.  
*Genes Dev* 34:1161-1176, 2020.

**Lafay-Cousin L, Bouffet E, Strother D, Rudneva V, Hawkins C, Eberhart C, Horbinski C, Heier L, Souweidane M, Williams-Hughes C, Onar-Thomas A, Billups CA, Fouladi M, Northcott P, Robinson G, Gajjar A.** Phase II study of nonmetastatic desmoplastic medulloblastoma in children younger than 4 years of age: A report of the Children's Oncology Group (ACNS1221).  
*J Clin Oncol* 38:223-231, 2020.

**Laizure SC, Hu ZY, Potter PM, Parker RB.** Inhibition of carboxylesterase-1 alters clopidogrel metabolism and disposition.  
*Xenobiotica* 50:245-251, 2020.

**Lamba JK, Cao X, Raimondi S, Downing J, Ribeiro R, Gruber TA, Rubnitz J, Pounds S.** DNA methylation clusters and their relation to cytogenetic features in pediatric AML.  
*Cancers (Basel)* 12:3024, 2020.

**Lambrix AA, Swanson HD, Pauley JL, Bragg AW, Carias DC, Bourque MS, Zhou Y, Cheng C, Greene WL, Maron G.** Experience using intravenous posaconazole in paediatric and young adult oncology patients.  
*J Antimicrob Chemother* 75:3682-3687, 2020.

**Land CA, Musich PR, Haydar D, Krenciute G, Xie Q.** Chimeric antigen receptor T-cell therapy in glioblastoma: Charging the T cells to fight.  
*J Transl Med* 18:428, 2020.

**Larkin T, Li P, Horn B.** Parvovirus B19 infection masquerading as relapsed acute lymphoblastic leukaemia following haematopoietic stem cell transplantation.  
*BMJ Case Rep* 13:e235837, 2020.

**Lazzarotto CR, Malinin NL, Li Y, Zhang R, Yang Y, Lee G, Cowley E, He Y, Lan X, Jividen K, Katta V, Kolmakova NG, Petersen CT, Qi Q, Strelcov E, Maragh S, Krenciute G, Ma J, Cheng Y, Tsai SQ.** CHANGE-seq reveals genetic and epigenetic effects on CRISPR-Cas9 genome-wide activity.  
*Nat Biotechnol* 38:1317-1327, 2020.

**Lee AK, Klein J, Fon Tacer K, Lord T, Oatley MJ, Oatley JM, Porter SN, Pruett-Miller SM, Tikhonova EB, Karamyshev AL, Wang YD, Yang P, Korff A, Kim HJ, Taylor JP, Potts PR.** Translational repression of G3BP in cancer and germ cells suppresses stress granules and enhances stress tolerance.  
*Mol Cell* 79:645-659.e9, 2020.

**Lee JC, Villanueva-Meyer JE, Ferris SP, Cham EM, Zucker J, Cooney T, Gilani A, Kleinschmidt-DeMasters BK, Trembath D, Mafra M, Chiang J, Ellison DW, Cho SJ, Horvai AE, Van Ziffle J, Onodera C, Devine P, Grenert JP, de Voijs CMA, van Blokland WTM, de Leng WWJ, Ploegmakers MJ, Flucke U, Pekmezci M, Bollen AW, Tihan T, Koelsche C, von Deimling A, Wesseling P, Solomon DA, Perry A.** Clinicopathologic and molecular features of intracranial desmoplastic small round cell tumors.  
*Brain Pathol* 30:213-225, 2020.

**Lee RE, Yoshida M.** Winners of the 2019 JA Ōmura Awards for excellence.  
*J Antibiot (Tokyo)* 73:737-738, 2020.

**Lee S, Channappanavar R, Kanneganti TD.** Coronaviruses: Innate immunity, inflammasome activation, inflammatory cell death, and cytokines.  
*Trends Immunol* 41:1083-1099, 2020.

- Lehmann V, Kuttah WH, Sparrow CK, Bjornard KL, Klosky JL.** Fertility-related services in pediatric oncology across the cancer continuum: A clinic overview.  
*Support Care Cancer* 28:3955-3964, 2020.
- Lehrnbecher T, Fisher BT, Phillips B, Alexander S, Ammann RA, Beauchemin M, Carlesse F, Castagnola E, Davis BL, Dupuis LL, Egan G, Groll AH, Haeusler GM, Santolaya M, Steinbach WJ, van de Wetering M, Wolf J, Cabral S, Robinson PD, Sung L.** Guideline for antibacterial prophylaxis administration in pediatric cancer and hematopoietic stem cell transplantation.  
*Clin Infect Dis* 71:226-236, 2020.
- LeMessurier KS, Rooney R, Ghoneim HE, Liu B, Li K, Smallwood HS, Samarasinghe AE.** Influenza A virus directly modulates mouse eosinophil responses.  
*J Leukoc Biol* 108:151-168, 2020.
- Lenzi L, Lee-Jones L, Mostofa MA, de Andrade DP, Ribeiro RC, Figueiredo BC.** Second primary malignancy after acute promyelocytic leukemia: A population-based study.  
*Cancers (Basel)* 12:3610, 2020.
- Levine DR, Van Noy K, Talleur AC, Snyder A, Kaye EC, Baker JN.** Thoughts from the threshold: Patient and family hopes, fears, values, and goals at the onset of pediatric hematopoietic cell transplantation.  
*Bone Marrow Transplant* 55:1103-1113, 2020.
- Lewis J, McCarten K, Kurch L, Flerlage JE, Kaste SC, Kluge R, Stoevesandt D, Voss SD, Kelly KM, Mauz-Korholz C, Drachtman RA, Metzger ML.** Definition of cortical bone involvement in the staging of newly diagnosed pediatric Hodgkin lymphoma: A report from the International Working Group on Staging Evaluation and Response Criteria Harmonization (SEARCH).  
*Pediatr Blood Cancer* 67:e28142, 2020.
- Lezzerini M, Penzo M, O'Donohue MF, Marques Dos Santos Vieira C, Saby M, Elfrink HL, Diets IJ, Hesse AM, Coute Y, Gastou M, Nin-Velez A, Nikkels PGJ, Olson AN, Zonneveld-Huijssoon E, Jongmans MCJ, Zhang G, van Weeghel M, Houtkooper RH, Wlodarski MW, Kuiper RP, Bierings MB, van der Werff Ten Bosch J, Leblanc T, Montanaro L, Dinman JD, Da Costa L, Gleizes PE, MacInnes AW.** Ribosomal protein gene RPL9 variants can differentially impair ribosome function and cellular metabolism.  
*Nucleic Acids Res* 48:770-787, 2020.
- Li B, Brady SW, Ma X, Shen S, Zhang Y, Li Y, Szlachta K, Dong L, Liu Y, Yang F, Wang N, Flasch DA, Myers MA, Mulder HL, Ding L, Liu Y, Tian L, Hagiwara K, Xu K, Zhou X, Sioson E, Wang T, Yang L, Zhao J, Zhang H, Shao Y, Sun H, Sun L, Cai J, Sun HY, Lin TN, Du L, Li H, Rusch M, Edmonson MN, Easton J, Zhu X, Zhang J, Cheng C, Raphael BJ, Tang J, Downing JR, Alexandrov LB, Zhou BS, Pui CH, Yang JJ, Zhang J.** Therapy-induced mutations drive the genomic landscape of relapsed acute lymphoblastic leukemia.  
*Blood* 135:41-55, 2020.
- Li BK, Vasiljevic A, Dufour C, Yao F, Ho BLB, Lu M, Hwang EI, Gururangan S, Hansford JR, Fouladi M, Nobusawa S, Laquerriere A, Delisle MB, Fangusaro J, Forest F, Toledano H, Solano-Paez P, Leary S, Birks D, Hoffman LM, Szathmari A, Faure-Contier C, Fan X, Catchpoole D, Zhou L, Schultz KAP, Ichimura K, Gauchotte G, Jabado N, Jones C, Loussouarn D, Mokhtari K, Rousseau A, Ziegler DS, Tanaka S, Pomeroy SL, Gajjar A, Ramaswamy V, Hawkins C, Grundy RG, Hill DA, Bouffet E, Huang A, Jouvet A.** Pineoblastoma segregates into molecular sub-groups with distinct clinico-pathologic features: A Rare Brain Tumor Consortium registry study.  
*Acta Neuropathol* 139:223-241, 2020.
- Li C, Lane S, McKeever S.** Do not get burnt by damn statistics.  
*J Child Health Care* 24:449-501, 2020.
- Li C, Pan H.** A phase I dose-finding design with incorporation of historical information and adaptive shrinking boundaries.  
*PLoS One* 15:e0237254, 2020.
- Li J, Wang YN, Xu BS, Liu YP, Zhou M, Long T, Li H, Dong H, Nie Y, Chen PR, Wang ED, Liu RJ.** Intellectual disability-associated gene ftsj1 is responsible for 2'-O-methylation of specific tRNAs.  
*EMBO Rep* 21:e50095, 2020.
- Li Z, Jiang N, Lim EH, Chin WHN, Lu Y, Chiew KH, Kham SKY, Yang W, Quah TC, Lin HP, Tan AM, Ariffin H, Yang JJ, Yeoh AE.** Identifying IGH disease clones for MRD monitoring in childhood B-cell acute lymphoblastic leukemia using RNA-Seq.  
*Leukemia* 34:2418-2429, 2020.

**Li Z, Li W, Lu M, Bess J Jr, Chao CW, Gorman J, Terry DS, Zhang B, Zhou T, Blanchard SC, Kwong PD, Lifson JD, Mothes W, Liu J.** Subnanometer structures of HIV-1 envelope trimers on aldrithiol-2-inactivated virus particles. *Nat Struct Mol Biol* 27:726-734, 2020.

**Liang WH, Federico SM, London WB, Naranjo A, Irwin MS, Volchenboum SL, Cohn SL.** Tailoring therapy for children with neuroblastoma on the basis of risk group classification: Past, present, and future. *JCO Clin Cancer Inform* 4:895-905, 2020.

**Lichtenthal WG, Roberts KE, Catarozoli C, Schofield E, Holland JM, Fogarty JJ, Coats TC, Barakat LP, Baker JN, Brinkman TM, Neimeyer RA, Prigerson HG, Zaider T, Breitbart W, Wiener L.** Regret and unfinished business in parents bereaved by cancer: A mixed methods study. *Palliat Med* 34:367-377, 2020.

**Liem RI, Baynard T, Hsu LL, Garofano R, Green NS, Hankins JS, Ness KK, Rodeghier M, Radom-Aizik S.** The Sickle Cell Pro-Inflammatory Response to Interval Testing Study (SPRINTS) in children and young adults with sickle cell anemia - Study design and methodological strategies. *Contemp Clin Trials Commun* 20:100668, 2020.

**Lin B, Kesserwan C, Quinn EA, Einhaus SL, Wright KD, Azzato EM, Orr BA, Upadhyaya SA.** Anaplastic astrocytoma in a child with Coffin-Siris syndrome and a germline SMARCE1 mutation: A case report. *J Pediatr Hematol Oncol* 42:e177-e180, 2020.

**Lin W, Bwayi M, Wu J, Li Y, Chai SC, Huber AD, Chen T.** CITCO directly binds to and activates human pregnane X receptor. *Mol Pharmacol* 97:180-190, 2020.

**Lin W, Li Y, Min J, Liu J, Yang L, Lee RE, Chen T.** Development of BODIPY FL thalidomide as a high-affinity fluorescent probe for cereblon in a time-resolved fluorescence resonance energy transfer assay. *Bioconjug Chem* 31:2564-2575, 2020.

**Lin W, Li Y, Yang L, Chen T.** Development of BODIPY FL VH032 as a high-affinity and selective von Hippel-Lindau E3 ligase fluorescent probe and its application in a time-resolved fluorescence resonance energy-transfer assay. *ACS Omega* 6:680-695, 2020.

**Lin SH, Sampson JN, Grünewald TGP, Surdez D, Reynaud S, Mirabeau O, Karlins E, Rubio RA, Zaidi S, Grossetête-Lalami S, Ballet S, Lapouble E, Laurence V, Michon J, Pierron G, Kovar H, Kontny U, González-Neira A, Alonso J, Patino-Garcia A, Corradini N, Bérard PM, Miller J, Freedman ND, Rothman N, Carter BD, Dagnall CL, Burdett L, Jones K, Manning M, Wyatt K, Zhou W, Yeager M, Cox DG, Hoover RN, Khan J, Armstrong GT, Leisenring WM, Bhatia S, Robison LL, Kulozik AE, Kriebel J, Meitinger T, Metzler M, Krumbholz M, Hartmann W, Strauch K, Kirchner T, Dirksen U, Mirabello L, Tucker MA, Tirode F, Morton LM, Chanock SJ, Delattre O, Machiela MJ.** Low-frequency variation near common germline susceptibility loci are associated with risk of Ewing sarcoma. *PLoS One* 15:e0237792, 2020.

**Ling T, Hadi V, Bollinger J, Rivas F.** Identification of rapid access to polycyclic systems via a base-catalyzed cascade cyclization reaction and their biological evaluation. *Bioorg Chem* 99:103846, 2020.

**Linton EA, Goodin DA, Hankins JS, Kanter J, Preiss L, Simon J, Souffront K, Tanabe P, Gibson R, Hsu LL, King A, Richardson LD, Glassberg JA.** A survey-based needs assessment of barriers to optimal sickle cell disease care in the emergency department. *Ann Emerg Med* 76:S64-S72, 2020.

**Liu APY, Gudenas B, Lin T, Orr BA, Klimo P Jr, Kumar R, Bouffet E, Gururangan S, Crawford JR, Kellie SJ, Chintagumpala M, Fisher MJ, Bowers DC, Hassall T, Indelicato DJ, Onar-Thomas A, Ellison DW, Boop FA, Merchant TE, Robinson GW, Northcott PA, Gajjar A.** Correction to: Risk-adapted therapy and biological heterogeneity in pineoblastoma: Integrated clinico-pathological analysis from the prospective, multi-center SJMB03 and SJYC07 trials. *Acta Neuropathol* 139:273-275, 2020.

**Liu APY, Gudenas B, Lin T, Orr BA, Klimo P Jr, Kumar R, Bouffet E, Gururangan S, Crawford JR, Kellie SJ, Chintagumpala M, Fisher MJ, Bowers DC, Hassall T, Indelicato DJ, Onar-Thomas A, Ellison DW, Boop FA, Merchant TE, Robinson GW, Northcott PA, Gajjar A.** Risk-adapted therapy and biological heterogeneity in pineoblastoma: Integrated clinico-pathological analysis from the prospective, multi-center SJMB03 and SJYC07 trials. *Acta Neuropathol* 139:259-271, 2020.

**Liu APY, Liu Q, Shing MMK, Ku DTL, Fu E, Luk CW, Ling SC, Cheng KKF, Kwong DLW, Ho WWS, Ng HK, Gajjar A,**

- Yasui Y, Chan GCF, Armstrong GT.** Incidence and outcomes of CNS tumors in Chinese children: Comparative analysis with the surveillance, epidemiology, and end results program.  
*JCO Glob Oncol* 6:704-721, 2020.
- Liu APY, Priesterbach-Ackley LP, Orr BA, Li BK, Gudenas B, Reddingius RE, Suñol M, Lavarino CE, Olaciregui NG, Santa-María López V, Fisher MJ, Hazrati LN, Bouffet E, Huang A, Robinson GW, Wesseling P, Northcott PA, Gajjar A.** WNT-activated embryonal tumors of the pineal region: ectopic medulloblastomas or a novel pineoblastoma subgroup?  
*Acta Neuropathol* 140:595-597, 2020.
- Liu APY, Wu G, Orr BA, Lin T, Ashford JM, Bass JK, Bowers DC, Hassall T, Fisher PG, Indelicato DJ, Klimo P Jr, Boop F, Conklin H, Onar-Thomas A, Merchant TE, Ellison DW, Gajjar A, Robinson GW.** Outcome and molecular analysis of young children with choroid plexus carcinoma treated with non-myeloablative therapy: Results from the SJYC07 trial.  
*Neurooncol Adv* 3:vdaa168, 2020.
- Liu H, Guinipero TL, Schieffer KM, Carter C, Colace S, Leonard JR, Orr BA, Kahwash SB, Brennan PJ, Fitch JR, Kelly B, Magrini VJ, White P, Wilson RK, Mardis ER, Cottrell CE, Boue DR.** De novo primary central nervous system pure erythroid leukemia/sarcoma with t(1;16)(p31;q24) NFIA/CBFA2T3 translocation.  
*Haematologica* 105:e194-e197, 2020.
- Liu SJ, Magill ST, Vasudevan HN, Hilz S, Villanueva-Meyer JE, Lastella S, Daggubati V, Spatz J, Choudhury A, Orr BA, Demaree B, Seo K, Ferris SP, Abate AR, Oberheim Bush NA, Bollen AW, McDermott MW, Costello JF, Raleigh DR.** Multiplatform molecular profiling reveals epigenomic intratumor heterogeneity in ependymoma.  
*Cell Rep* 30:1300-1309.e5, 2020.
- Liu X, Zhao X, Liu T, Liu Q, Tang L, Zhang H, Luo W, Daskalakis ZJ, Yuan TF.** The effects of repetitive transcranial magnetic stimulation on cue-induced craving in male patients with heroin use disorder.  
*EBioMedicine* 56:102809, 2020.
- Liu X, Zhao X, Shen Y, Liu T, Liu Q, Tang L, Zhang H, Luo W, Yuan TF.** The effects of DLPFC-targeted repetitive transcranial magnetic stimulation on craving in male methamphetamine patients.  
*Clin Transl Med* 10:e48, 2020.
- Liu Y, Li C, Shen S, Chen X, Szlachta K, Edmonson MN, Shao Y, Ma X, Hyle J, Wright S, Ju B, Rusch MC, Liu Y, Li B, Macias M, Tian L, Easton J, Qian M, Yang JJ, Hu S, Look AT, Zhang J.** Discovery of regulatory noncoding variants in individual cancer genomes by using cis-X.  
*Nat Genet* 52:811-818, 2020.
- Liu Y, Panetta JC, Yang W, Karol SE, Cheng C, Yang JJ, Evans WE, Inaba H, Pui CH, Jeha S, Relling MV.** Dosing-related saturation of toxicity and accelerated drug clearance with pegaspargase treatment.  
*Blood* 136:2955-2958, 2020.
- Livingston J, Cheng YI, Wang J, Tweddle M, Friebert S, Baker JN, Thompkins J, Lyon ME.** Shared spiritual beliefs between adolescents with cancer and their families.  
*Pediatr Blood Cancer* 67:e28696, 2020.
- Locatelli F, Zugmaier G, Mergen N, Bader P, Jeha S, Schlegel PG, Bourquin JP, Handgretinger R, Brethon B, Rossig C, Chen-Santel C.** Blinatumomab in pediatric patients with relapsed/refractory acute lymphoblastic leukemia: Results of the RIALTO trial, an expanded access study.  
*Blood Cancer J* 10:77, 2020.
- Loew M, Williams JL, Russell K, Rupff R, Hankins JS, Porter J.** The adolescent and caregiver aickle cell disease aelf-management akills checklist: Preliminary reliability and validity.  
*J Pediatr Hematol Oncol* 42:12-19, 2020.
- Loh L, Gherardin NA, Sant S, Grzelak L, Crawford JC, Bird NL, Koay HF, van de Sandt CE, Moreira ML, Lappas M, Allen EK, Crowe J, Loudovaris T, Flanagan KL, Quinn KM, Rossjohn J, Thomas PG, Eckle SBG, McCluskey J, Godfrey DI, Kedzierska K.** Human mucosal-associated invariant T cells in older individuals display expanded TCR $\alpha\beta$  clonotypes with potent antimicrobial responses.  
*J Immunol* 204:1119-1133, 2020.
- López de Los Santos Y, Bernard DN, Egesborg P, Létourneau M, Lafortune C, Cuneo MJ, Urvoas A, Chatenet D, Mahy JP, St-Pierre Y, Ricoux R, Doucet N.** Binding of a soluble meso-tetraarylporphyrin to human galectin-7 induces oligomerization and modulates its pro-apoptotic activity.  
*Biochemistry* 59:4591-4600, 2020.

**Lopez-Lopez E, Autry RJ, Smith C, Yang W, Paugh SW, Panetta JC, Crews KR, Bonten EJ, Smart B, Pei D, McCorkle JR, Diouf B, Roberts KG, Shi L, Pounds S, Cheng C, Mullighan CG, Pui CH, Relling MV, Evans WE.** Pharmacogenomics of intracellular methotrexate polyglutamates in patients' leukemia cells in vivo.  
*J Clin Invest* 130:6600-6615, 2020.

**Louis DN, Wesseling P, Aldape K, Brat DJ, Capper D, Cree IA, Eberhart C, Figarella-Branger D, Fouladi M, Fuller GN, Giannini C, Haberler C, Hawkins C, Komori T, Kros JM, Ng HK, Orr BA, Park SH, Paulus W, Perry A, Pietsch T, Reifenberger G, Rosenblum M, Rous B, Sahm F, Sarkar C, Solomon DA, Tabori U, van den Bent MJ, von Deimling A, Weller M, White VA, Ellison DW.** cIMPACT-NOW update 6: new entity and diagnostic principle recommendations of the cIMPACT-Utrecht meeting on future CNS tumor classification and grading.  
*Brain Pathol* 30:844-856, 2020.

**Louis DN, Wesseling P, Brandner S, Brat DJ, Ellison DW, Giangaspero F, Hattab EM, Hawkins C, Judge MJ, Kleinschmidt-DeMasters B, Komori T, McLean C, Paulus W, Perry A, Reifenberger G, Weller M, Rous B.** Data sets for the reporting of tumors of the central nervous system: Recommendations from the International Collaboration on Cancer Reporting.  
*Arch Pathol Lab Med* 144:196-206, 2020.

**Lu M, Ma X, Reichard N, Terry DS, Arthos J, Smith AB 3rd, Sodroski JG, Blanchard SC, Mothes W.** Correction for Lu et al., "Shedding-resistant HIV-1 envelope glycoproteins adopt downstream conformations that remain responsive to conformation-preferring ligands".  
*J Virol* 94: 2020.

**Lu M, Ma X, Reichard N, Terry DS, Arthos J, Smith AB 3rd, Sodroski JG, Blanchard SC, Mothes W.** Shedding-resistant HIV-1 envelope glycoproteins adopt downstream conformations that remain responsive to conformation-preferring ligands.  
*J Virol* 94:e00597-20, 2020.

**Lu M, Uchil PD, Li W, Zheng D, Terry DS, Gorman J, Shi W, Zhang B, Zhou T, Ding S, Gasser R, Prévost J, Beaudoin-Bussièrès G, Anand SP, Laumaea A, Grover JR, Liu L, Ho DD, Mascola JR, Finzi A, Kwong PD, Blanchard SC, Mothes W.** Real-time conformational dynamics of SARS-CoV-2 spikes on virus particles.  
*Cell Host Microbe* 28:880-891.e8, 2020.

**Lubas MM, Lu Y, Gehr AW, Ghabach B, Tanna B, Narra K, Brinkman TM, Ojha RP.** Adult cancer survivors' engagement and interest in patient-centered research.  
*Cancer Epidemiol Biomarkers Prev* 29:329-335, 2020.

**Lubas MM, Mirzaei Salehabadi S, Lavecchia J, Alberts NM, Krull KR, Ehrhardt MJ, Srivastava D, Robison LL, Hudson MM, Brinkman TM.** Suicidality among adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort Study.  
*Cancer* 126:5347-5355, 2020.

**Lucafò M, Sicari D, Chicco A, Curci D, Bellazzo A, Di Silvestre A, Pegolo C, Autry R, Cecchin E, De Iudicibus S, Collavin L, Evans W, Decorti G, Stocco G.** miR-331-3p is involved in glucocorticoid resistance reversion by rapamycin through suppression of the MAPK signaling pathway.  
*Cancer Chemother Pharmacol* 86:361-374, 2020.

**Lugli E, Galletti G, Boi SK, Youngblood BA.** Stem, effector, and hybrid states of memory CD8(+) T cells.  
*Trends Immunol* 41:17-28, 2020.

**Luo B, Wu Y, Liu SL, Li XY, Zhu HR, Zhang L, Zheng F, Liu XY, Guo LY, Wang L, Song HX, Lv YX, Cheng ZS, Chen SY, Wang JN, Tang JM.** Vagus nerve stimulation optimized cardiomyocyte phenotype, sarcomere organization and energy metabolism in infarcted heart through FoxO3A-VEGF signaling.  
*Cell Death Dis* 11:971, 2020.

**Luu AR, Wong C, Agrawal V, Wise N, Handyside B, Lo MJ, Pacheco G, Felix JB, Giaramita A, d'Azzo A, Vincelette J, Bullens S, Bunting S, Christianson TM, Hague CM, LeBowitz JH, Yogalingam G.** Correction: Intermittent enzyme replacement therapy prevents Neu1 deficiency.  
*J Biol Chem* 295:15794, 2020.

**Luu AR, Wong C, Agrawal V, Wise N, Handyside B, Lo MJ, Pacheco G, Felix JB, Giaramita A, d'Azzo A, Vincelette J, Bullens S, Bunting S, Christianson TM, Hague CM, LeBowitz JH, Yogalingam G.** Intermittent enzyme replacement therapy with recombinant human  $\beta$ -galactosidase prevents neuraminidase 1 deficiency.  
*J Biol Chem* 295:13556-13569, 2020.

**Lyon ME, D'Angelo LJ, Cheng YI, Dallas RH, Garvie PA, Wang J.** The influence of religious beliefs and practices on health



care decision-making among HIV positive adolescents.  
*AIDS Care* 32:896-900, 2020.

**Ma X, Arunachalam S, Liu Y.** Applications of probability and statistics in cancer genomics.  
*Quant Biol* 2020: 2020.

**Ma X, Claus LAN, Leslie ME, Tao K, Wu Z, Liu J, Yu X, Li B, Zhou J, Savatin DV, Peng J, Tyler BM, Heese A, Russinova E, He P, Shan L.** Ligand-induced monoubiquitination of BIK1 regulates plant immunity.  
*Nature* 581:199-203, 2020.

**MacCain WJ, Tuomanen EI.** Mini-review: Bioactivities of bacterial cell envelopes in the central nervous system.  
*Front Cell Infect Microbiol* 10:588378, 2020.

**Maciaszek JL, Oak N, Nichols KE.** Recent advances in Wilms' tumor predisposition.  
*Hum Mol Genet* 29:R138-R149, 2020.

**Mack JW, Cronin AM, Uno H, Shusterman S, Twist CJ, Bagatell R, Rosenberg A, Marachelian A, Granger MM, Glade Bender J, Baker JN, Park J, Cohn SL, Levine A, Taddei S, Diller LR.** Unrealistic parental expectations for cure in poor-prognosis childhood cancer.  
*Cancer* 126:416-424, 2020.

**Mack JW, McFatrigh M, Withycombe JS, Maurer SH, Jacobs SS, Lin L, Lucas NR, Baker JN, Mann CM, Sung L, Tomlinson D, Hinds PS, Reeve BB.** Agreement between child self-report and caregiver-proxy report for symptoms and functioning of children undergoing cancer treatment.  
*JAMA Pediatr* 174:e202861, 2020.

**Mack JW, Uno H, Twist CJ, Bagatell R, Rosenberg AR, Marachelian A, Granger MM, Glade Bender J, Baker JN, Park JR, Cohn SL, Fernandez JH, Diller LR, Shusterman S.** Racial and ethnic differences in communication and care for children with advanced cancer.  
*J Pain Symptom Manage* 60:782-789, 2020.

**Mahadeo KM, Bajwa R, Abdel-Azim H, Lehmann LE, Duncan C, Zantek N, Vittorio J, Angelo J, McArthur J, Schadler K, Chan S, Tewari P, Khazal S, Auletta JJ, Choi SW, Shoberu B, Kalwak K, Harden A, Kebriaei P, Abe JI, Li S, Moffet JR, Abraham S, Tambaro FP, Kleinschmidt K, Richardson PG, Corbacioglu S.** Diagnosis, grading, and treatment recommendations for children, adolescents, and young adults with sinusoidal obstructive syndrome: An international expert position statement.  
*Lancet Haematol* 7:e61-e72, 2020.

**Mai PL, Sand SR, Saha N, Oberti M, Dolafi T, DiGianni L, Root EJ, Kong X, Bremer RC, Santiago KM, Bojadzieva J, Barley D, Novokmet A, Ketchum KA, Nguyen N, Jacob S, Nichols KE, Kratz CP, Schiffman JD, Evans DG, Achatz MI, Strong LC, Garber JE, Ladwa SA, Malkin D, Weitzel JN.** Li-Fraumeni Exploration Consortium Data Coordinating Center: Building an interactive web-based resource for collaborative international cancer epidemiology research for a rare condition.  
*Cancer Epidemiol Biomarkers Prev* 29:927-935, 2020.

**Majumdar A, Trinh V, Moore KJ, Smallwood CR, Kumar A, Yang T, Scott DC, Long NJ, Newton SM, Klebba PE.** Conformational rearrangements in the N-domain of Escherichia coli FepA during ferric enterobactin transport.  
*J Biol Chem* 295:4974-4984, 2020.

**Makepeace L, Scoggins M, Mitrea B, Li Y, Edwards A, Tinkle CL, Hwang S, Gajjar A, Patay Z.** MRI patterns of extrapontine lesion extension in diffuse intrinsic pontine gliomas.  
*AJNR Am J Neuroradiol* 41:323-330, 2020.

**Malik F, Santiago T, Newman S, McCarville B, Pappo AS, Clay MR.** An addition to the evolving spectrum of lipofibromatosis and lipofibromatosis-like neural tumor: Molecular findings in an unusual phenotype aid in accurate classification.  
*Pathol Res Pract* 216:152942, 2020.

**Malik F, Wang L, Yu Z, Edelman MC, Miles L, Clay MR, Hedges D, Brennan RC, Nichols KE, McCarville MB, Bahrami A.** Benign infiltrative myofibroblastic neoplasms of childhood with USP6 gene rearrangement.  
*Histopathology* 77:760-768, 2020.

**Malik F, Zreik RT, Hedges DJ, Nakitandwe J, Lee S, Ward RA, McCarville MB, Pappo A, Bahrami A.** Primary bone sarcoma with BCOR internal tandem duplication.  
*Virchows Arch* 476:915-920, 2020.

**Malireddi RKS, Gurung P, Kesavardhana S, Samir P, Burton A, Mummareddy H, Vogel P, Pelletier S, Burgula S, Kanneganti TD.** Innate immune priming in the absence of TAK1 drives RIPK1 kinase activity-independent pyroptosis, apoptosis, necroptosis, and inflammatory disease.

*J Exp Med* 217:jem.20191644, 2020.

**Malireddi RKS, Tweedell RE, Kanneganti TD.** PANoptosis components, regulation, and implications.

*Aging (Albany NY)* 12:11163-11164, 2020.

**Maloney KW, Devidas M, Wang C, Mattano LA, Friedmann AM, Buckley P, Borowitz MJ, Carroll AJ, Gastier-Foster JM, Heerema NA, Kadan-Lottick N, Loh ML, Matloub YH, Marshall DT, Stork LC, Raetz EA, Wood B, Hunger SP, Carroll WL, Winick NJ.** Outcome in Children with Standard-Risk B-Cell Acute Lymphoblastic Leukemia: Results of Children's Oncology Group Trial AALL0331.

*J Clin Oncol* 38:602-612, 2020.

**Mamcarz E, Madden R, Qudeimat A, Srinivasan A, Talleur A, Sharma A, Suliman A, Maron G, Sunkara A, Kang G, Leung W, Gottschalk S, Triplett BM.** Improved survival rate in T-cell depleted haploidentical hematopoietic cell transplantation over the last 15 years at a single institution.

*Bone Marrow Transplant* 55:929-938, 2020.

**Mandrell BN, LaRosa K, Hancock D, Caples M, Sykes A, Lu Z, Wise MS, Khan RB, Merchant TE, McLaughlin-Crabtree V.** Predictors of narcolepsy and hypersomnia due to medical disorder in pediatric craniopharyngioma.

*J Neurooncol* 148:307-316, 2020.

**Mandrell BN, Withycombe JS.** Symptom biomarkers for children receiving treatment for cancer: State of the science.

*J Pediatr Oncol Nurs* 36:280-286, 2020.

**Manolio TA, Bult CJ, Chisholm RL, Deverka PA, Ginsburg GS, Goldrich M, Jarvik GP, Mensah GA, Relling MV, Roden DM, Rowley R, Tamburro C, Williams MS, Green ED.** Genomic Medicine Year in Review: 2020.

*Am J Hum Genet* 107:1007-1010, 2020.

**Mansfield SA, El Gohary Y, Kimble A, Wynn L, Hall EA, Anghelescu DL, Davidoff AM, Murphy AJ.** A quality improvement intervention to decrease postoperative opioid prescriptions in pediatric oncology patients.

*J Pediatr Hematol Oncol* 42:e207-e212, 2020.

**Mansfield SA, Murphy AJ, Talbot L, Prajapati H, Maller V, Pappo A, Singhal S, Krasin MJ, Davidoff AM, Abdelhafeez A.** Alternative approaches to retroperitoneal lymph node dissection for paratesticular rhabdomyosarcoma.

*J Pediatr Surg* 55:2677-2681, 2020.

**Marathe BM, Asthagiri Arunkumar G, Vogel P, Pascua PNQ, Jones J, Webby RJ, Krammer F, Govorkova EA.** Monoclonal antibody therapy protects pharmacologically immunosuppressed mice from lethal infection with influenza B virus.

*Antimicrob Agents Chemother* 64: 2020.

**Markham MJ, Wachter K, Agarwal N, Bertagnolli MM, Chang SM, Dale W, Diefenbach CSM, Rodriguez-Galindo C, George DJ, Gilligan TD, Harvey RD, Johnson ML, Kimple RJ, Knoll MA, LoConte N, Maki RG, Meisel JL, Meyerhardt JA, Pennell NA, Rocque GB, Sabel MS, Schilsky RL, Schneider BJ, Tap WD, Uzzo RG, Westin SN.** Clinical cancer advances 2020: Annual report on progress against cancer from the American Society of Clinical Oncology.

*J Clin Oncol* 38:1081, 2020.

**Marks DK, Gartrell RD, El Asmar M, Boboila S, Hart T, Lu Y, Pan Q, Yu J, Hibshoosh H, Guo H, Andreopoulou E, Wiechmann L, Crew K, Sparano J, Hershman D, Connolly E, Saenger Y, Kalinsky K.** Akt inhibition is associated with favorable immune profile changes within the tumor microenvironment of hormone receptor positive, HER2 negative breast cancer.

*Front Oncol* 10:968, 2020.

**Maroda AJ, Coca KK, McLevy-Bazzanella JD, Wood JW, Grissom EC, Sheyn AM.** Perioperative analgesia in pediatric patients undergoing otolaryngologic surgery.

*Otolaryngol Clin North Am* 53:819-830, 2020.

**Martin EW, Holehouse AS.** Intrinsically disordered protein regions and phase separation: Sequence determinants of assembly or lack thereof.

*Emerg Top Life Sci* 4:307-329, 2020.

**Martin EW, Holehouse AS, Peran I, Farag M, Incicco JJ, Bremer A, Grace CR, Soranno A, Pappu RV, Mittag T.** Valence and patterning of aromatic residues determine the phase behavior of prion-like domains.

*Science* 367:694-699, 2020.

**Martin LJ, Chen Y, Serrano-Lomelin J, Talbot J, Yasui Y.** Higher levels of social and material deprivation are associated with higher rates of influenza-like illness-related emergency department visits: Edmonton, Alberta, 2004-2014.

*Public Health* 189:117-122, 2020.

**Martinez-Sobrido L, Blanco-Lobo P, Rodriguez L, Fitzgerald T, Zhang H, Nguyen P, Anderson CS, Holden-Wiltse J, Bandyopadhyay S, Nogales A, DeDiego ML, Wasik BR, Miller BL, Henry C, Wilson PC, Sangster MY, Treanor JJ, Topham DJ, Byrd-Leotis L, Steinhauer DA, Cummings RD, Luczo JM, Tompkins SM, Sakamoto K, Jones CA, Steel J, Lowen AC, Danzy S, Tao H, Fink AL, Klein SL, Wohlgemuth N, Fenstermacher KJ, El Najjar F, Pekosz A, Sauer L, Lewis MK, Shaw-Saliba K, Rothman RE, Liu ZY, Chen KF, Parrish CR, Voorhees IEH, Kawaoka Y, Neumann G, Chiba S, Fan S, Hatta M, Kong H, Zhong G, Wang G, Uccellini MB, Garcia-Sastre A, Perez DR, Ferreri LM, Herfst S, Richard M, Fouchier R, Burke D, Pattinson D, Smith DJ, Meliopoulos V, Freiden P, Livingston B, Sharp B, Cherry S, Dib JC, Yang G, Russell CJ, Barman S, Webby RJ, Krauss S, Danner A, Woodard K, Peiris M, Perera RAPM, Chan MCW, Govorkova EA, Marathe BM, Pascua PNQ, Smith G, Li YT, Thomas PG, Schultz-Cherry S.** Characterizing emerging canine H3 influenza viruses.

*PLoS Pathog* 16:e1008409, 2020.

**Marti-Solano M, Crilly SE, Malinverni D, Munk C, Harris M, Pearce A, Quon T, Mackenzie AE, Wang X, Peng J, Tobin AB, Ladds G, Milligan G, Gloriam DE, Puthenveedu MA, Babu MM.** Author Correction: Combinatorial expression of GPCR isoforms affects signalling and drug responses.

*Nature* 588:E24, 2020.

**Marti-Solano M, Crilly SE, Malinverni D, Munk C, Harris M, Pearce A, Quon T, Mackenzie AE, Wang X, Peng J, Tobin AB, Ladds G, Milligan G, Gloriam DE, Puthenveedu MA, Babu MM.** Combinatorial expression of GPCR isoforms affects signalling and drug responses.

*Nature* 587:650-656, 2020.

**Maser B, Force LM, Friedrich P, Antillon F, Arora RS, Herrera CA, Rodriguez-Galindo C, Atun R, Denburg A.** Paediatric Oncology System Integration Tool (POSIT) for the joint analysis of the performance of childhood cancer programs and health systems.

*J Cancer Policy* 23:100208, 2020.

**Mast KJ, Taub JW, Alonzo TA, Gamis AS, Mosse CA, Mathew P, Berman JN, Wang YC, Jones HM, Campana D, Coustan-Smith E, Raimondi SC, Hirsch B, Hitzler JK, Head DR.** Pathologic features of Down syndrome myelodysplastic syndrome and acute myeloid leukemia: A report from the Children's Oncology Group protocol AAML0431.

*Arch Pathol Lab Med* 144:466-472, 2020.

**Masuho I, Balaji S, Muntean BS, Skamangas NK, Chavali S, Tesmer JJG, Babu MM, Martemyanov KA.** A global map of G protein signaling regulation by RGS proteins.

*Cell* 183:503-521.e19, 2020.

**Mathieu C, Pappu RV, Taylor JP.** Beyond aggregation: Pathological phase transitions in neurodegenerative disease.

*Science* 370:56-60, 2020.

**Mayer EF, Maron G, Dallas RH, Ferrolino J, Tang L, Sun Y, Danziger-Isakov L, Paulsen GC, Fisher BT, Vora SB, Englund J, Steinbach WJ, Michaels M, Green M, Yeganeh N, Gibson JE, Dominguez SR, Nicholson MR, Dulek DE, Ardura MI, Rajan S, Gonzalez BE, Beneri C, Herold BC.** A multicenter study to define the epidemiology and outcomes of *Clostridioides difficile* infection in pediatric hematopoietic cell and solid organ transplant recipients.

*Am J Transplant* 20:2133-2142, 2020.

**McFatrigh M, Brondon J, Lucas NR, Hinds PS, Maurer SH, Mack JW, Freyer DR, Jacobs SS, Baker JN, Mowbray C, Wang M, Castellino SM, Barz Leahy A, Reeve BB.** Mapping child and adolescent self-reported symptom data to clinician-reported adverse event grading to improve pediatric oncology care and research.

*Cancer* 126:140-147, 2020.

**McGowan J, Peter C, Kim J, Popli S, Veerman B, Saul-McBeth J, Conti H, Pruett-Miller SM, Chattopadhyay S, Chakravarti R.** 14-3-3 $\zeta$ -TRAF5 axis governs interleukin-17A signaling.

*Proc Natl Acad Sci U S A* 117:25008-25017, 2020.

**McNally DJ, Piras BA, Willis CM, Lockey TD, Meagher MM.** Development and optimization of a hydrophobic interaction chromatography-based method of AAV harvest, capture, and recovery.

*Mol Ther Methods Clin Dev* 19:275-284, 2020.

**McNeill DR, Whitaker AM, Stark WJ, Illuzzi JL, McKinnon PJ, Freudenthal BD, Wilson DM 3rd.** Functions of the major abasic endonuclease (APE1) in cell viability and genotoxin resistance.

*Mutagenesis* 35:27-38, 2020.

**McNeil MJ, Namisango E, Hunt J, Powell RA, Baker JN.** Grief and bereavement in parents after the death of a child in low- and middle-income countries.  
*Children (Basel)* 7:39, 2020.

**Meador BN, Albano A, Sekizkardes H, Delaney A.** Heterozygous deletions in MKRN3 cause central precocious puberty without Prader-Willi Syndrome.  
*J Clin Endocrinol Metab* 105:2732-2739, 2020.

**Melgar M, Reljic T, Barahona G, Camacho K, Chang A, Contreras J, Espinoza D, Estripeaut D, Gamero M, Luque M, Mentor G, Zacasa P, Homsí M, Caniza MA, Kumar A, Mukkada S.** Guidance statement for the management of febrile neutropenia in pediatric patients receiving cancer-directed therapy in Central America and the Caribbean.  
*JCO Glob Oncol* 6:508-517, 2020.

**Meliopoulos V, Cherry S, Wohlgemuth N, Honce R, Barnard K, Gauger P, Davis T, Shult P, Parrish C, Schultz-Cherry S.** Primary swine respiratory epithelial cell lines for the efficient isolation and propagation of influenza A viruses.  
*J Virol* 94:e01091-20, 2020.

**Mendel LL, Pousson MA, Bass JK, Coffelt JA, Morris M, Lane KA.** Spanish pediatric picture identification test.  
*Am J Audiol* 29:318-328, 2020.

**Merad M, Posey AD Jr, Olivero O, Singh PK, Mounceimne G, Li L, Wallace LM, Hayes TK.** Diversity is a strength of cancer research in the U.S.  
*Cancer Cell* 38:297-300, 2020.

**Mercuri E, Pera MC, Scoto M, Finkel R, Muntoni F.** Spinal muscular atrophy - Insights and challenges in the treatment era.  
*Nat Rev Neurol* 16:706-715, 2020.

**Meyer L, Verbist KC, Albeituni S, Scull BP, Bassett R, Stroh AN, Tillman H, Allen CE, Hermiston M, Nichols KE.** JAK/STAT pathway inhibition sensitizes CD8 T cells to dexamethasone-induced apoptosis in hyperinflammation.  
*Blood* 136:657-668, 2020.

**Michaël G, Strother D, Gottardo N, Bartels U, Coltin H, Hukin J, Wilson B, Zelcer S, Hansford JR, Hassall T, AbdelBaki MS, Cole KA, Hoffman L, Smiley NP, Smith A, Vinitsky A, Vitanza NA, Wright A, Yeo KK, Chow LML, Vanan MI, Dhall G, Bouffet E, Lafay-Cousin L.** Intracranial growing teratoma syndrome (iGTS): An international case series and review of the literature.  
*J Neurooncol* 147:721-730, 2020.

**Michel G, Brinkman TM, Wakefield CE, Grootenhuis M.** Psychological outcomes, health-related quality of life, and neurocognitive functioning in survivors of childhood cancer and their parents.  
*Pediatr Clin North Am* 67:1103-1134, 2020.

**Michmerhuizen NL, Klco JM, Mullighan CG.** Mechanistic insights and potential therapeutic targets for NUP98-rearranged hematologic malignancies.  
*Blood* 136:2275-2289, 2020.

**Miller-Vedam LE, Bräuning B, Popova KD, Schirle Oakdale NT, Bonnar JL, Prabu JR, Boydston EA, Sevillano N, Shurtleff MJ, Stroud RM, Craik CS, Schulman BA, Frost A, Weissman JS.** Structural and mechanistic basis of the EMC-dependent biogenesis of distinct transmembrane clients.  
*Elife* 9:e62611, 2020.

**Mirabello L, Zhu B, Koster R, Karlins E, Dean M, Yeager M, Gianferante M, Spector LG, Morton LM, Karyadi D, Robison LL, Armstrong GT, Bhatia S, Song L, Pankratz N, Pinheiro M, Gastier-Foster JM, Gorlick R, de Toledo SRC, Petrilli AS, Patino-Garcia A, Lecanda F, Gutierrez-Jimeno M, Serra M, Hattinger C, Picci P, Scotlandi K, Flanagan AM, Tirabosco R, Amary MF, Kurucu N, Ilhan IE, Ballinger ML, Thomas DM, Barkauskas DA, Mejia-Baltodano G, Valverde P, Hicks BD, Zhu B, Wang M, Hutchinson AA, Tucker M, Sampson J, Landi MT, Freedman ND, Gapstur S, Carter B, Hoover RN, Chanock SJ, Savage SA.** Frequency of pathogenic germline variants in cancer-susceptibility genes in patients with osteosarcoma.  
*JAMA Oncol* 6:724-734, 2020.

**Mirea AM, Stienstra R, Kanneganti TD, Tack CJ, Chavakis T, Toonen EJM, Joosten LAB.** Mice deficient in the IL-1 $\beta$  activation genes Prtn3, Elane, and Casp1 are protected against the development of obesity-induced NAFLD.  
*Inflammation* 43:1054-1064, 2020.

**MirzaeiSalehabadi S, Sengupta D, Ghosal R.** Estimating menarcheal age distribution from partially recalled data. *Biostatistics* 21:876-894, 2020.

**Mittag T, Strader LC.** I will survive: How NPR1 condensation promotes plant cell survival. *Cell* 182:1072-1074, 2020.

**Mittal P, Roberts CWM.** The SWI/SNF complex in cancer - Biology, biomarkers and therapy. *Nat Rev Clin Oncol* 17:435-448, 2020.

**Mizrahi D, Fardell JE, Cohn RJ, Partin RE, Howell CR, Hudson MM, Robison LL, Ness KK, McBride J, Field P, Wakefield CE, Simar D.** The 6-minute walk test is a good predictor of cardiorespiratory fitness in childhood cancer survivors when access to comprehensive testing is limited. *Int J Cancer* 147:847-855, 2020.

**Mizumoto M, Oshiro Y, Pan H, Wang F, Kaste SC, Gajjar A, Chemaitilly W, Merchant TE.** Height after photon craniospinal irradiation in pediatric patients treated for central nervous system embryonal tumors. *Pediatr Blood Cancer* 67:e28617, 2020.

**Mo G, Wang HW, Talleur AC, Shahani SA, Yates B, Shalabi H, Douvas MG, Calvo KR, Shern JF, Chaganti S, Patrick K, Song Y, Fry TJ, Wu X, Triplett BM, Khan J, Gardner RA, Shah NN.** Diagnostic approach to the evaluation of myeloid malignancies following CAR T-cell therapy in B-cell acute lymphoblastic leukemia. *J Immunother Cancer* 8:e00153, 2020.

**Mody R, Yu AL, Naranjo A, Zhang FF, London WB, Shulkin BL, Parisi MT, Servaes SE, Diccianni MB, Hank JA, Felder M, Birstler J, Sondel PM, Asgharzadeh S, Glade-Bender J, Katzenstein H, Maris JM, Park JR, Bagatell R.** Irinotecan, temozolomide, and dinutuximab with GM-CSF in children with refractory or relapsed neuroblastoma: A report from the Children's Oncology Group. *J Clin Oncol* 38:2160-2169, 2020.

**Moffet JR, Mahadeo KM, McArthur J, Hsing DD, Gertz SJ, Smith LS, Loomis A, Fitzgerald JC, Nitu ME, Duncan CN, Hall MW, Pinos EL, Tamburro RF, Simmons RA, Troy J, Cheifetz IM, Rowan CM, Investigators of the Pediatric Acute Lung Injury and Sepsis Network.** Acute respiratory failure and the kinetics of neutrophil recovery in pediatric hematopoietic cell transplantation: A multicenter study. *Bone Marrow Transplant* 55:341-348, 2020.

**Moffet JR, Mahadeo KM, McArthur J, Hsing DD, Gertz SJ, Smith LS, Loomis A, Fitzgerald JC, Nitu ME, Duncan CN, Hall MW, Pinos EL, Tamburro RF, Simmons RA, Troy J, Cheifetz IM, Rowan CM, Investigators of the Pediatric Acute Lung Injury and Sepsis Network.** Correction to: Acute respiratory failure and the kinetics of neutrophil recovery in pediatric hematopoietic cell transplantation: a multicenter study. *Bone Marrow Transplant* 55:476, 2020.

**Mohamed M, Ghonim MA, Abouzeid MM, Salas MAP.** Does rabbit anti-thymocyte globulin dose and antiviral prophylaxis alter the risk of the development of PTLD in renal transplant population? *Ren Fail* 42:673-674, 2020.

**Mohammed A, Podila PSB, Davis RL, Ataga KI, Hankins JS, Kamaleswaran R.** Using machine learning to predict early onset acute organ failure in critically ill intensive care unit patients with sickle cell disease: Retrospective study. *J Med Internet Res* 22:e14693, 2020.

**Moldoveanu T, Czabotar PE.** BAX, BAK, and BOK: A coming of age for the BCL-2 family effector proteins. *Cold Spring Harb Perspect Biol* 12:a036319, 2020.

**Mondal B, Jin H, Kallappagoudar S, Sedkov Y, Martinez T, Sentmanat MF, Poet GJ, Li C, Fan Y, Pruett-Miller SM, Herz HM.** The histone deacetylase complex MiDAC regulates a neurodevelopmental gene expression program to control neurite outgrowth. *Elife* 9:e57519, 2020.

**Mondal G, Lee JC, Ravindranathan A, Villanueva-Meyer JE, Tran QT, Allen SJ, Barreto J, Gupta R, Doo P, Van Ziffle J, Onodera C, Devine P, Grenert JP, Samuel D, Li R, Metrock LK, Jin LW, Antony R, Alashari M, Cheshier S, Whipple NS, Bruggers C, Raffel C, Gupta N, Kline CN, Reddy A, Banerjee A, Hall MD, Mehta MP, Khatib Z, Maher OM, Brathwaite C, Pekmezci M, Phillips JJ, Bollen AW, Tihan T, Lucas JT Jr, Broniscer A, Berger MS, Perry A, Orr BA, Solomon DA.** Pediatric bithalamic gliomas have a distinct epigenetic signature and frequent EGFR exon 20 insertions resulting in potential sensitivity to targeted kinase inhibition.

**Moore A, Kane E, Wang Z, Panagiotou OA, Teras LR, Monnereau A, Wong Doo N, Machiela MJ, Skibola CF, Slager SL, Salles G, Camp NJ, Bracci PM, Nieters A, Vermeulen RCH, Vijai J, Smedby KE, Zhang Y, Vajdic CM, Cozen W, Spinelli JJ, Hjalgrim H, Giles GG, Link BK, Clavel J, Arslan AA, Purdue MP, Tinker LF, Albanes D, Ferri GM, Habermann TM, Adami HO, Becker N, Benavente Y, Bisanzi S, Boffetta P, Brennan P, Brooks-Wilson AR, Canzian F, Conde L, Cox DG, Curtin K, Foretova L, Gapstur SM, Ghesquieres H, Glenn M, Glimelius B, Jackson RD, Lan Q, Liebow M, Maynadie M, McKay J, Melbye M, Miligi L, Milne RL, Molina TJ, Morton LM, North KE, Offit K, Padoan M, Patel AV, Piro S, Ravichandran V, Riboli E, de Sanjose S, Severson RK, Southey MC, Staines A, Stewart C, Travis RC, Weiderpass E, Weinstein S, Zheng T, Chanock SJ, Chatterjee N, Rothman N, Birmann BM, Cerhan JR, Berndt SI.** Genetically determined height and risk of non-Hodgkin lymphoma.

*Front Oncol* 9:1539, 2020.

**Morales-Hernández A, Benaksas C, Chabot A, Caprio C, Ferdous M, Zhao X, Kang G, McKinney-Freeman S.** GPRASP proteins are critical negative regulators of hematopoietic stem cell transplantation.

*Blood* 135:1111-1123, 2020.

**Moreira DC, Rajagopal R, Navarro-Martin Del Campo RM, Polanco AC, Alcasabas AP, Arredondo-Navarro LA, Campos D, Casavilca-Zambrano S, Diaz Coronado RY, Faizal N, Ganesan D, Hamid SA, Khan R, Khu K, Loh J, Lukban M, Negreiros T, Pineda E, Yaqoob N, Zia N, Gajjar A, Rodriguez-Galindo C, Qaddoumi I.** Bridging the gap in access to care for children with CNS tumors worldwide.

*JCO Glob Oncol* 6:583-584, 2020.

**Moreira DC, Venkataraman S, Subramanian A, Desisto J, Balakrishnan I, Prince E, Pierce A, Griesinger A, Green A, Eberhardt CG, Foreman NK, Vibhakar R.** Targeting MYC-driven replication stress in medulloblastoma with AZD1775 and gencitabine.

*J Neurooncol* 147:531-545, 2020.

**Moreno L, DuBois SG, Marshall LV, Fox E, Carceller F, Pearson AD.** How to address challenges and opportunities in pediatric cancer drug development?

*Expert Opin Drug Discov* 15:869-872, 2020.

**Morgan KJ, Rossi M, Chemaitilly W.** The role of glucocorticoid supplementation in children with secondary adrenal insufficiency undergoing anaesthesia for imaging examinations.

*Anaesthesia* 75:1395-1396, 2020.

**Morris KM, Hindle MM, Boitard S, Burt DW, Danner AF, Eory L, Forrest HL, Gourichon D, Gros J, Hillier LW, Jaffredo T, Khoury H, Lansford R, Leterrier C, Loudon A, Mason AS, Meddle SL, Minvielle F, Minx P, Pitel F, Seiler JP, Shimmura T, Tomlinson C, Vignal A, Webster RG, Yoshimura T, Warren WC, Smith J.** The quail genome: Insights into social behaviour, seasonal biology and infectious disease response.

*BMC Biol* 18:14, 2020.

**Morse JC, Girodat D, Burnett BJ, Holm M, Altman RB, Sanbonmatsu KY, Wieden HJ, Blanchard SC.** Elongation factor-Tu can repetitively engage aminoacyl-tRNA within the ribosome during the proofreading stage of tRNA selection.

*Proc Natl Acad Sci U S A* 117:3610-3620, 2020.

**Morton LM, Karyadi DM, Hartley SW, Frone MN, Sampson JN, Howell RM, Neglia JP, Arnold MA, Hicks BD, Jones K, Zhu B, Dagnall CL, Karlins E, Yeager MS, Leisenring WM, Yasui Y, Turcotte LM, Smith SA, Weathers RE, Miller J, Sigel BS, Merino DM, Berrington de Gonzalez A, Bhatia S, Robison LL, Tucker MA, Armstrong GT, Chanock SJ.** Subsequent neoplasm risk associated with rare variants in DNA damage response and clinical radiation sensitivity syndrome genes in the Childhood Cancer Survivor Study.

*JCO Precis Oncol* 4:926-936, 2020.

**Mosca R, Vlekkert DV, Campos Y, Fremuth LE, Cadaoas J, Koppaka V, Kakkis E, Tifft C, Toro C, Allievi S, Gellera C, Canafoglia L, Visser G, Annunziata I, d'Azzo A.** Conventional and unconventional therapeutic strategies for sialidosis type I.

*J Clin Med* 9:695, 2020.

**Mostafa A, Kandeil A, Shehata M, El Shesheny R, Samy AM, Kayali G, Ali MA.** Middle East Respiratory Syndrome Coronavirus (MERS-CoV): State of the science.

*Microorganisms* 8:991, 2020.

**Mostafa A, Mahmoud SH, Shehata M, Müller C, Kandeil A, El-Shesheny R, Nooh HZ, Kayali G, Ali MA, Pleschka S.** PA from a recent H9N2 (G1-like) avian influenza A virus (AIV) strain carrying lysine 367 confers altered replication efficiency and pathogenicity to contemporaneous H5N1 in mammalian systems.

**Mostafa HH, Lamson DM, Uhteg K, Geahr M, Gluck L, de Cárdenas JNB, Morehead E, Forman M, Carroll KC, Hayden RT, George KS.** Multicenter evaluation of the NeuMoDx™ SARS-CoV-2 Test.  
*J Clin Virol* 130:104583, 2020.

**Moujalled DM, Hanna DT, Hediye-Zadeh S, Pomilio G, Brown L, Litalien V, Bartolo R, Fleming S, Chanrion M, Banquet S, Maragno AL, Kraus-Berthier L, Schoumacher M, Mullighan CG, Georgiou A, White CA, Lessene G, Huang DCS, Roberts AW, Geneste O, Rasmussen L, Davis MJ, Ekert PG, Wei A, Ng AP, Khaw SL.** Cotargeting BCL-2 and MCL-1 in high-risk B-ALL.  
*Blood Adv* 4:2762-2767, 2020.

**Mudd PA, Crawford JC, Turner JS, Souquette A, Reynolds D, Bender D, Bosanquet JP, Anand NJ, Striker DA, Martin RS, Boon ACM, House SL, Remy KE, Hotchkiss RS, Presti RM, O'Halloran JA, Powderly WG, Thomas PG, Ellebedy AH.** Distinct inflammatory profiles distinguish COVID-19 from influenza with limited contributions from cytokine storm.  
*Sci Adv* 6:eabe3024, 2020.

**Mueller S, Kline CN, Buerki RA, Chen Y, Yasui Y, Howell R, Oeffinger KC, Leisenring WM, Robison LL, Armstrong GT, Fullerton HJ, Krull KR.** Stroke impact on mortality and psychologic morbidity within the Childhood Cancer Survivor Study.  
*Cancer* 126:1051-1059, 2020.

**Muendlein HI, Sarhan J, Liu BC, Connolly WM, Schworer SA, Smirnova I, Tang AY, Ilyukha V, Pietruska J, Tahmasebi S, Sonenberg N, Degtarev A, Poltorak A.** Constitutive interferon attenuates RIPK1/3-mediated cytokine translation.  
*Cell Rep* 30:699-713.e4, 2020.

**Mukherjee N, Nolan VG, Dunn JR, Banerjee P.** Exposures associated with non-typhoidal Salmonella infections caused by Newport, Javiana, and Mississippi serotypes in Tennessee, 2013-2015: A case-case analysis.  
*Pathogens* 9:78, 2020.

**Mukkada S, Hakim H.** Fever in neutropenia: Time to re-evaluate an old paradigm?  
*Lancet Child Adolesc Health* 4:480-487, 2020.

**Mulder RL, Hudson MM, Bhatia S, Landier W, Levitt G, Constine LS, Wallace WH, van Leeuwen FE, Ronckers CM, Henderson TO, Moskowitz CS, Friedman DN, Ng AK, Jenkinson HC, Demoor-Goldschmidt C, Skinner R, Kremer LCM, Oeffinger KC.** Updated breast cancer surveillance recommendations for female survivors of childhood, adolescent, and young adult cancer from the International Guideline Harmonization Group.  
*J Clin Oncol* 38:4194-4207, 2020.

**Mulder RL, van Kalsbeek RJ, Hudson MM, Skinner R, Kremer LCM.** The critical role of clinical practice guidelines and indicators in high-quality survivorship after childhood cancer.  
*Pediatr Clin North Am* 67:1069-1081, 2020.

**Muller I, Strozyk E, Schindler S, Beissert S, Oo HZ, Sauter T, Lucarelli P, Raeth S, Hausser A, Al Nakouzi N, Fazli L, Gleave ME, Liu H, Simon HU, Walczak H, Green DR, Bartek J, Daugaard M, Kulms D.** Cancer cells employ nuclear Caspase-8 to overcome the p53-dependent G2/M checkpoint through cleavage of USP28.  
*Mol Cell* 77:970-984.e7, 2020.

**Mulrooney DA, Hyun G, Ness KK, Ehrhardt MJ, Yasui Y, Duprez D, Howell RM, Leisenring WM, Constine LS, Tonorezos E, Gibson TM, Robison LL, Oeffinger KC, Hudson MM, Armstrong GT.** Major cardiac events for adult survivors of childhood cancer diagnosed between 1970 and 1999: Report from the Childhood Cancer Survivor Study cohort.  
*BMJ* 368:16794, 2020.

**Muraleedharan R, Gawali MV, Tiwari D, Sukumaran A, Oatman N, Anderson J, Nardini D, Bhuiyan MAN, Tkáč I, Ward AL, Kundu M, Waclaw R, Chow LM, Gross C, Rao R, Schirmeier S, Dasgupta B.** AMPK-regulated astrocytic lactate shuttle plays a non-cell-autonomous role in neuronal survival.  
*Cell Rep* 32:108092, 2020.

**Murray A, Warren NS, Bosanko K, Williamson Dean L.** Genetic counseling graduate training to address religion and spirituality in clinical practice: A qualitative exploration of programs in North America.  
*J Genet Couns* 29:1245-1258, 2020.

**Nagy P, Dudley S, Sheyn A.** Supraglottoplasty in neonates under one month of age.  
*Ann Otol Rhinol Laryngol* 129:494-497, 2020.

**Nahata L, Gomez-Lobo V, Meacham L, Appiah L, Childress K, Hoefgen H, Dwiggins M, Whiteside S, Bjornard K, Rios J, Anazodo A, Finlayson C, Frias O, Woodruff T, Moravek M.** 2019 pediatric initiative network: Progress, proceedings, and plans. *J Adolesc Young Adult Oncol* 9:457-463, 2020.

**Nakano TA, Lau BW, Dickerson KE, Wlodarski M, Pollard J, Shimamura A, Hofmann I, Sasa G, Elghetany T, Cada M, Dror Y, Ding H, Allen SW, Hanna R, Campbell K, Olson TS.** Diagnosis and treatment of pediatric myelodysplastic syndromes: A survey of the North American Pediatric Aplastic Anemia Consortium. *Pediatr Blood Cancer* 67:e28652, 2020.

**Namineni S, O'Connor T, Faure-Dupuy S, Johansen P, Riedl T, Liu K, Xu H, Singh I, Shinde P, Li F, Pandya A, Sharma P, Ringelhan M, Muschaweckh A, Borst K, Blank P, Lampl S, Durantel D, Farhat R, Weber A, Lenggenhager D, Kundig TM, Staeheli P, Protzer U, Wohlleber D, Holzmann B, Binder M, Breuhahn K, Assmus LM, Nattermann J, Abdullah Z, Rolland M, Dejardin E, Lang PA, Lang KS, Karin M, Lucifora J, Kalinke U, Knolle PA, Heikenwalder M.** A dual role for hepatocyte-intrinsic canonical NF- $\kappa$ B signaling in virus control. *J Hepatol* 72:960-975, 2020.

**Ness KK, Gilchrist L.** Innovations in rehabilitation for people who have cancer or who have survived cancer. *Phys Ther* 100:361-362, 2020.

**Ness KK, Plana JC, Joshi VM, Luepker RV, Durand JB, Green DM, Partin RE, Santucci AK, Howell RM, Srivastava DK, Hudson MM, Robison LL, Armstrong GT.** Exercise intolerance, mortality, and organ system impairment in adult survivors of childhood cancer. *J Clin Oncol* 38:29-42, 2020.

**Ness KK, Wogksch MD.** Frailty and aging in cancer survivors. *Transl Res* 221:65-82, 2020.

**Neville SL, Eijkelkamp BA, Lothian A, Paton JC, Roberts BR, Rosch JW, McDevitt CA.** Cadmium stress dictates central carbon flux and alters membrane composition in *Streptococcus pneumoniae*. *Commun Biol* 3:694, 2020.

**Newman JH, Chesson CB, Herzog NL, Bommarreddy PK, Aspromonte SM, Pepe R, Estupinian R, Aboelatta MM, Buddhadev S, Tarabichi S, Lee M, Li S, Medina DJ, Giurini EF, Gupta KH, Guevara-Aleman G, Rossi M, Nowicki C, Abed A, Goldufsky JW, Broucek JR, Redondo RE, Rotter D, Jhavar SR, Wang SJ, Kohlhapp FJ, Kaufman HL, Thomas PG, Gupta V, Kuzel TM, Reiser J, Paras J, Kane MP, Singer EA, Malhotra J, Denzin LK, Sant'Angelo DB, Rabson AB, Lee LY, Lasfar A, Langenfeld J, Schenkel JM, Fidler MJ, Ruiz ES, Marzo AL, Rudra JS, Silk AW, Zloza A.** Intratumoral injection of the seasonal flu shot converts immunologically cold tumors to hot and serves as an immunotherapy for cancer. *Proc Natl Acad Sci U S A* 117:1119-1128, 2020.

**Nguyen P, Okeke E, Clay M, Haydar D, Justice J, O'Reilly C, Pruett-Miller S, Papizan J, Moore J, Zhou S, Throm R, Krenciute G, Gottschalk S, DeRenzo C.** Route of 41BB/41BBL costimulation determines effector function of B7-H3-CAR.CD28 $\zeta$  T cells. *Mol Ther Oncolytics* 18:202-214, 2020.

**Nguyen R, Sahr N, Sykes A, McCarville MB, Federico SM, Sooter A, Cullins D, Rooney B, Janssen WE, Talleur AC, Triplett BM, Anthony G, Dyer MA, Pappo AS, Leung WH, Furman WL.** Longitudinal NK cell kinetics and cytotoxicity in children with neuroblastoma enrolled in a clinical phase II trial. *J Immunother Cancer* 8:e000176, 2020.

**Nichols KE, Hines MR.** NK cells: Energized yet exhausted in adult HLH. *Blood* 136:524-525, 2020.

**Nicolaides T, Nazemi KJ, Crawford J, Kilburn L, Minturn J, Gajjar A, Gauvain K, Leary S, Dhall G, Aboian M, Robinson G, Long-Boyle J, Wang H, Molinaro AM, Mueller S, Prados M.** Phase I study of vemurafenib in children with recurrent or progressive BRAF(V600E) mutant brain tumors: Pacific Pediatric Neuro-Oncology Consortium study (PNOC-002). *Oncotarget* 11:1942-1952, 2020.

**Niel K, LaRosa KN, Klages KL, Merchant TE, Wise MS, Witcraft SM, Hancock D, Caples M, Mandrell BN, Crabtree VM.** Actigraphy versus Polysomnography to Measure Sleep in Youth Treated for Craniopharyngioma. *Behav Sleep Med* 18:589-597, 2020.

**Nisar S, Bhat AA, Hashem S, Yadav SK, Rizwan A, Singh M, Bagga P, Macha MA, Frenneaux MP, Reddy R, Haris M.** Non-invasive biomarkers for monitoring the immunotherapeutic response to cancer.



*J Transl Med* 18:471, 2020.

**Nishimoto AT, Rosch JW, Tuomanen EI.** Pneumolysin: Pathogenesis and therapeutic target.  
*Front Microbiol* 11:1543, 2020.

**Nobre L, Zapotocky M, Khan S, Fukuoka K, Fonseca A, McKeown T, Sumerauer D, Vicha A, Grajkowska WA, Trubicka J, Li KKW, Ng HK, Massimi L, Lee JY, Kim SK, Zelcer S, Vasiljevic A, Faure-Contier C, Hauser P, Lach B, van Veelen-Vincent ML, French PJ, Van Meir EG, Weiss WA, Gupta N, Pollack IF, Hamilton RL, Nageswara Rao AA, Giannini C, Rubin JB, Moore AS, Chambless LB, Vibhakar R, Ra YS, Massimino M, McLendon RE, Wheeler H, Zollo M, Ferruci V, Kumabe T, Faria CC, Sterba J, Jung S, Lopez-Aguilar E, Mora J, Carlotti CG, Olson JM, Leary S, Cain J, Krskova L, Zamecnik J, Hawkins CE, Tabori U, Huang A, Bartels U, Northcott PA, Taylor MD, Yip S, Hansford JR, Bouffet E, Ramaswamy V.** Pattern of relapse and treatment response in WNT-activated medulloblastoma.  
*Cell Rep Med* 1:100038, 2020.

**Nola M, Oikonomou EK, silversides CK, Hines MR, Thompson KA, Campbell BA, Amir E, Maxwell C, Thavendiranathan P.** Impact of cancer therapy-related cardiac dysfunction on risk of heart failure in pregnancy.  
*JACC CardioOncol* 2:153-162, 2020.

**Norsker FN, Pedersen C, Armstrong GT, Robison LL, McBride ML, Hawkins M, Kuehni CE, de Vathaire F, Berbis J, Kremer LC, Haupt R, Kenborg L, Winther JF.** Late effects in childhood cancer survivors: Early studies, survivor cohorts, and significant contributions to the field of late effects.  
*Pediatr Clin North Am* 67:1033-1049, 2020.

**Oak N, Cherniack AD, Mashl RJ, Hirsch FR, Ding L, Beroukhir R, Gumus ZH, Plon SE, Huang KL.** Ancestry-specific predisposing germline variants in cancer.  
*Genome Med* 12:51, 2020.

**Ode Z, Condori J, Peterson N, Zhou S, Krenciute G.** CRISPR-mediated non-viral site-specific gene integration and expression in T cells: Protocol and application for T-cell therapy.  
*Cancers (Basel)* 12:1704, 2020.

**Ogg S, Klosky JL, Chemaitilly W, Srivastava DK, Wang M, Carney G, Ojha R, Robison LL, Cox CL, Hudson MM.** Breastfeeding practices among childhood cancer survivors.  
*J Cancer Surviv* 14:586-599, 2020.

**Oh JW, Muthu M, Haga SW, Anthonydhasan, Paul P, Chun S.** Reckoning the dearth of bioinformatics in the arena of diabetic nephropathy (DN)—Need to improvise.  
*Processes (Basel)* 8:808, 2020.

**Ohnota H, Nakazawa H, Hayashi M, Okuhara Y, Honda T, d'Azzo A, Sekijima Y.** Skeletal muscle cells derived from mouse skin cultures.  
*Biochem Biophys Res Commun* 528:398-403, 2020.

**Oikonomou C, Hendershot LM.** Disposing of misfolded ER proteins: A troubled substrate's way out of the ER.  
*Mol Cell Endocrinol* 500:110630, 2020.

**Okda FA, Griffith E, Sakr A, Nelson E, Webby R.** New diagnostic assays for differential diagnosis between the two distinct lineages of bovine influenza D viruses and human influenza C viruses.  
*Front Vet Sci* 7:605704, 2020.

**Oladimeji PO, Bakke J, Wright WC, Chen T.** KANSL2 and MBNL3 are regulators of pancreatic ductal adenocarcinoma invasion.  
*Sci Rep* 10:1485, 2020.

**Oluyomi A, Aldrich KD, Foster KL, Badr H, Kamdar KY, Scheurer ME, Lupo PJ, Brown AL.** Neighborhood deprivation index is associated with weight status among long-term survivors of childhood acute lymphoblastic leukemia.  
*J Cancer Surviv* 2020.

**Ong T, Trivedi N, Wakefield R, Frase S, Solecki DJ.** Siah2 integrates mitogenic and extracellular matrix signals linking neuronal progenitor ciliogenesis with germinal zone occupancy.  
*Nat Commun* 11:5312, 2020.

**Orgel E, Alexander TB, Wood BL, Kahwash SB, Devidas M, Dai Y, Alonzo TA, Mullighan CG, Inaba H, Hunger SP, Raetz EA, Gamis AS, Rabin KR, Carroll AJ 3rd, Heerema NA, Berman JN, Woods WG, Loh ML, Zweidler-McKay PA, Horan**

**JT.** Mixed-phenotype acute leukemia: A cohort and consensus research strategy from the Children's Oncology Group Acute Leukemia of Ambiguous Lineage Task Force.

*Cancer* 126:593-601, 2020.

**Orr BA.** Pathology, diagnostics, and classification of medulloblastoma.

*Brain Pathol* 30:664-678, 2020.

**Orr BA, Clay MR, Pinto EM, Kesserwan C.** An update on the central nervous system manifestations of Li-Fraumeni syndrome.

*Acta Neuropathol* 139:669-687, 2020.

**Ortiz MV, Gerdemann U, Raju SG, Henry D, Smith S, Rothenberg SM, Cox MC, Proust S, Bender JG, Frazier AL, Anderson P, Pappo AS.** Activity of the highly specific RET inhibitor selpercatinib (LOXO-292) in pediatric patients with tumors harboring RET gene alterations.

*JCO Precis Oncol* 4:341-347, 2020.

**Oshiro Y, Mizumoto M, Pan H, Kaste SC, Gajjar A, Merchant TE.** Spinal changes after craniospinal irradiation in pediatric patients.

*Pediatr Blood Cancer* 67:e28728, 2020.

**Othman MY, Blair S, Nah SA, Ariffin H, Assanasen C, Soh SY, Jacobsen AS, Lam C, Loh AHP.** Pediatric solid tumor care and multidisciplinary tumor boards in low- and middle-income countries in Southeast Asia.

*JCO Glob Oncol* 6:1328-1345, 2020.

**Paetow U, Bader P, Chemaitilly W.** A systematic approach to the endocrine care of survivors of pediatric hematopoietic stem cell transplantation.

*Cancer Metastasis Rev* 39:69-78, 2020.

**Pai AA, Devasia AJ, Panetta JC, Mani S, Stallon Illangeswaran RS, Mohanan E, Balakrishnan B, Lakshmi KM, Kulkarni U, Aboobacker FN, Korula A, Abraham A, Srivastava A, Mathews V, George B, Balasubramanian P.** Pharmacokinetics and efficacy of generic melphalan is comparable to innovator formulation in patients with multiple myeloma undergoing autologous stem cell transplantation.

*Clin Lymphoma Myeloma Leuk* 20:130-135.e1, 2020.

**Pai ALH, Chardon ML, Mara CA, Basile NL, Schwartz LA, Phipps S.** Parental efficacy and control questionnaire in hematopoietic stem cell transplant: Preliminary validation.

*J Natl Cancer Inst* 45:454-462, 2020.

**Pak-Yin Liu A, Moreira DC, Sun C, Krull L, Gao Y, Yang B, Zhang C, He K, Yuan X, Chi-Fung Chan G, Sun X, Ma X, Qaddoumi IA.** Challenges and opportunities for managing pediatric central nervous system tumors in China.

*Pediatr Investig* 4:211-217, 2020.

**Pan H, Cheng C, Yuan Y.** Bayesian adaptive linearization method for phase I drug combination trials with dimension reduction.

*Pharm Stat* 19:561-582, 2020.

**Pan H, Lin R, Zhou Y, Yuan Y.** Keyboard design for phase I drug-combination trials.

*Contemp Clin Trials* 92:105972, 2020.

**Panetta JC, Liu Y, Swanson HD, Karol SE, Pui CH, Inaba H, Jeha S, Relling MV.** Higher plasma asparaginase activity after intramuscular than intravenous Erwinia asparaginase.

*Pediatr Blood Cancer* 67:e28244, 2020.

**Panetta JC, Roberts JK, Huang J, Lin T, Daryani VM, Harstead KE, Patel YT, Onar-Thomas A, Campagne O, Ward DA, Broniscer A, Robinson G, Gajjar A, Stewart CF.** Pharmacokinetic basis for dosing high-dose methotrexate in infants and young children with malignant brain tumours.

*Br J Clin Pharmacol* 86:362-371, 2020.

**Panwalkar P, Pratt D, Chung C, Dang D, Le P, Martinez D, Bayliss JM, Smith KS, Adam M, Potter S, Northcott P, Mascarenhas L, Shows J, Pawel B, Margol A, Huang A, Judkins AR, Venneti S.** SWI/SNF complex heterogeneity relates with polyphenotypic differentiation, prognosis and immune response in rhabdoid tumors.

*Neuro Oncol* 22:785-796, 2020.

**Papanicolaou GA, Dvorak CC, Dadwal S, Maron G, Prasad VK, Giller R, Abdel-Azim H, Sadanand A, Casciano R, Chandak A, Huang S, Nichols G, Brundage T, Vainorius E, Mozaffari E, Hutcheson R.** Practice patterns and incidence of

adenovirus infection in allogeneic hematopoietic cell transplant recipients: Multicenter survey of transplant centers in the United States.

*Transpl Infect Dis* 22:e13283, 2020.

**Pardo LM, Voigt AP, Alonzo TA, Wilson ER, Gerbing RB, Paine DJ, Dai F, Menssen AJ, Raimondi SC, Hirsch BA, Gamis AS, Meshinchi S, Wells DA, Brodersen LE, Loken MR.** Deciphering the significance of CD56 expression in pediatric acute myeloid leukemia: A report from the Children's Oncology Group.

*Cytometry B Clin Cytom* 98:52-56, 2020.

**Parris KR, Harman JL, Jurbergs N, Allen JM, Canavera KE.** Beyond clinical practice in pediatric psychology: Illustrative experiences in influencing practice changes, public opinion, and governmental policies.

*Psychol Serv* 7:98-109, 2020.

**Partanen M, Kang G, Wang WC, Krull K, King AA, Schreiber JE, Porter JS, Hodges J, Hankins JS, Jacola LM.** Association between hydroxycarbamide exposure and neurocognitive function in adolescents with sickle cell disease.

*Br J Haematol* 189:1192-1203, 2020.

**Partridge EC, Chhetri SB, Prokop JW, Ramaker RC, Jansen CS, Goh ST, Mackiewicz M, Newberry KM, Brandsmeier LA, Meadows SK, Messer CL, Hardigan AA, Coppola CJ, Dean EC, Jiang S, Savic D, Mortazavi A, Wold BJ, Myers RM, Mendenhall EM.** Occupancy maps of 208 chromatin-associated proteins in one human cell type.

*Nature* 583:720-728, 2020.

**Pascua PNQ, Marathe BM, Bisen S, Webby RJ, Govorkova EA.** Influenza B viruses from different genetic backgrounds are variably impaired by neuraminidase inhibitor resistance-associated substitutions.

*Antiviral Res* 173:104669, 2020.

**Patel NP, Guan P, Bahal D, Hashem T, Scheuplein F, Schaub R, Nichols KE, Das R.** Cancer immunotherapeutic potential of NKTT320, a novel, invariant, natural killer T cell-activating, humanized monoclonal antibody.

*Int J Mol Sci* 21:4317, 2020.

**Pati AK, El Bakouri O, Jockusch S, Zhou Z, Altman RB, Fitzgerald GA, Asher WB, Terry DS, Borgia A, Holsey MD, Batchelder JE, Abeywickrama C, Huddle B, Rufa D, Javitch JA, Ottosson H, Blanchard SC.** Tuning the Baird aromatic triplet-state energy of cyclooctatetraene to maximize the self-healing mechanism in organic fluorophores.

*Proc Natl Acad Sci U S A* 117:24305-24315, 2020.

**Patmore DM, Jassim A, Nathan E, Gilbertson RJ, Tahan D, Hoffmann N, Tong Y, Smith KS, Kanneganti TD, Suzuki H, Taylor MD, Northcott P, Gilbertson RJ.** DDX3X suppresses the susceptibility of hindbrain lineages to medulloblastoma.

*Dev Cell* 54:455-470.e5, 2020.

**Paul P, Antonydhasan V, Gopal J, Haga SW, Hasan N, Oh JW.** Bioinformatics for renal and urinary proteomics: Call for aggrandization.

*Int J Mol Sci* 21:961, 2020.

**Pearson AD, Stegmaier K, Bourdeaut F, Reaman G, Heenen D, Meyers ML, Armstrong SA, Brown P, De Carvalho D, Jabado N, Marshall L, Rivera M, Smith M, Adamson PC, Barone A, Baumann C, Blackman S, Buenger V, Donoghue M, Duncan AD, Fox E, Gadbaw B, Hattersley M, Ho P, Jacobs I, Kelly MJ, Kieran M, Lesa G, Ligas F, Ludwinski D, McDonough J, Nikolova Z, Norga K, Senderowicz A, Taube T, Weiner S, Karres D, Vassal G.** Paediatric Strategy Forum for medicinal product development of epigenetic modifiers for children: ACCELERATE in collaboration with the European Medicines Agency with participation of the Food and Drug Administration.

*Eur J Cancer* 139:135-148, 2020.

**Pedrosa F, Coustan-Smith E, Zhou Y, Cheng C, Pedrosa A, Lins MM, Pedrosa M, Lucena-Silva N, Ramos AML, Vinhas E, Rivera GK, Campana D, Ribeiro RC.** Reduced-dose intensity therapy for pediatric lymphoblastic leukemia: Long-term results of the Recife RELLA05 pilot study.

*Blood* 135:1458-1466, 2020.

**Peitzsch M, Butch ER, Lovorn E, Mangelis A, Furman WL, Santana VM, Hero B, Berthold F, Shulkin BL, Huebner A, Eisenhofer G.** Biochemical testing for neuroblastoma using plasma free 3-O-methyl-dopa, 3-methoxytyramine, and normetanephrine.

*Pediatr Blood Cancer* 67:e28081, 2020.

**Pelletier S, Tummers B, Green DR.** Generation of Casp8 (FL122/123GG) mice using CRISPR-Cas9 technology.

*STAR Protoc* 1:100181, 2020.

- Pellett Madan R, Penkert RR, Surman SL, Jones BG, Houston J, Lamour JM, Del Rio M, Herold BC, Hurwitz JL.** Persistent hypogammaglobulinemia in pediatric solid organ transplant recipients.  
*Clin Transplant* 34:e14021, 2020.
- Penas-Prado M, Theeler BJ, Cordeiro B, Dunkel IJ, Hau P, Mahajan A, Robinson GW, Willmarth N, Aboud O, Aldape K, Butman JA, Gajjar A, Kelly W, Rao G, Raygada M, Siegel C, Romo CG, Armstrong TS.** Proceedings of the Comprehensive Oncology Network Evaluating Rare CNS Tumors (NCI-CONNECT) adult medulloblastoma workshop.  
*Neurooncol Adv* 2:vdaa097, 2020.
- Penkert RR, Cortez V, Karlsson EA, Livingston B, Surman SL, Li Y, Catharine Ross A, Schultz-Cherry S, Hurwitz JL.** Vitamin A corrects tissue deficits in diet-induced obese mice and reduces influenza infection after vaccination and challenge.  
*Obesity (Silver Spring)* 28:1631-1636, 2020.
- Penkert RR, Hankins JS, Young NS, Hurwitz JL.** Vaccine design informed by virus-induced immunity.  
*Viral Immunol* 33:342-350, 2020.
- Pennella RA, Ayers KA, Brandt HM.** Understanding how adolescents think about the HPV vaccine.  
*Vaccines (Basel)* 8:693, 2020.
- Peran I, Martin EW, Mittag T.** Walking along a protein phase diagram to determine coexistence points by static light scattering.  
*Methods Mol Biol* 2141:715-730, 2020.
- Peran I, Mittag T.** Molecular structure in biomolecular condensates.  
*Curr Opin Struct Biol* 60:17-26, 2020.
- Peran I, Sabri N, Mittag T.** Managing hyperosmotic stress through phase separation.  
*Trends Biochem Sci* 45:721-723, 2020.
- Pergert P, Sullivan CE, Adde M, Afungchwi GM, Downing J, Hollis R, Ilbawi A, Morrissey L, Punjwani R, Challinor J.** An ethical imperative: Safety and specialization as nursing priorities of WHO Global Initiative for Childhood Cancer.  
*Pediatr Blood Cancer* 67:e28143, 2020.
- Perry JM, Tao F, Roy A, Lin T, He XC, Chen S, Lu X, Nemecek J, Ruan L, Yu X, Dukes D, Moran A, Pace J, Schroeder K, Zhao M, Venkatraman A, Qian P, Li Z, Hembree M, Paulson A, He Z, Xu D, Tran TH, Deshmukh P, Nguyen CT, Kasi RM, Ryan R, Broward M, Ding S, Guest E, August K, Gamis AS, Godwin A, Sittampalam GS, Weir SJ, Li L.** Overcoming Wnt- $\beta$ -catenin dependent anticancer therapy resistance in leukaemia stem cells.  
*Nat Cell Biol* 22:689-700, 2020.
- Pfaff E, Aichmuller C, Sill M, Stichel D, Snuderl M, Karajannis MA, Schuhmann MU, Schittenhelm J, Hasselblatt M, Thomas C, Korshunov A, Rhizova M, Wittmann A, Kaufhold A, Iskar M, Ketteler P, Lohmann D, Orr BA, Ellison DW, von Hoff K, Mynarek M, Rutkowski S, Sahm F, von Deimling A, Lichter P, Kool M, Zapatka M, Pfister SM, Jones DTW.** Molecular subgrouping of primary pineal parenchymal tumors reveals distinct subtypes correlated with clinical parameters and genetic alterations.  
*Acta Neuropathol* 139:243-257, 2020.
- Phillips AH, Kriwacki RW.** Intrinsic protein disorder and protein modifications in the processing of biological signals.  
*Curr Opin Struct Biol* 60:1-6, 2020.
- Phillips GS, Freret ME, Friedman DN, Trelles S, Kukoyi O, Freites-Martinez A, Unger RH, Disa JJ, Wexler LH, Tinkle CL, Mechalakos JG, Dusza SW, Beal K, Wolden SL, Lacouture ME.** Assessment and treatment outcomes of persistent radiation-induced alopecia in patients with cancer.  
*JAMA Dermatol* 156:963-972, 2020.
- Phillips NS, Cheung YT, Glass JO, Scoggins MA, Liu W, Ogg RJ, Mulrooney DA, Pui CH, Robison LL, Reddick WE, Hudson MM, Krull KR.** Neuroanatomical abnormalities related to dexamethasone exposure in survivors of childhood acute lymphoblastic leukemia.  
*Pediatr Blood Cancer* 67:e27968, 2020.
- Phillips NS, Hillenbrand CM, Mitrea BG, Yan J, Li C, Scoggins MA, Merchant TE, Armstrong GT, Srivastava D, Pui CH, Robison LL, Hudson MM, Krull KR, Sabin ND.** Cerebral microbleeds in adult survivors of childhood acute lymphoblastic leukemia treated with cranial radiation.  
*Sci Rep* 10:692, 2020.

**Phillips NS, Howell CR, Lanctot JQ, Partin RE, Pui CH, Hudson MM, Robison LL, Krull KR, Ness KK.** Physical fitness and neurocognitive outcomes in adult survivors of childhood acute lymphoblastic leukemia: A report from the St. Jude Lifetime cohort. *Cancer* 126:640-648, 2020.

**Phillips NS, Kesler SR, Scoggins MA, Glass JO, Cheung YT, Liu W, Banerjee P, Ogg RJ, Srivastava D, Pui CH, Robison LL, Reddick WE, Hudson MM, Krull KR.** Connectivity of the cerebello-thalamo-cortical pathway in survivors of childhood leukemia treated with chemotherapy only. *JAMA Netw Open* 3:e2025839, 2020.

**Phipps S, Fairclough DL, Noll RB, Devine KA, Dolgin MJ, Schepers SA, Askins MA, Schneider NM, Ingman K, Voll M, Katz ER, McLaughlin J, Sahler OJZ.** In-person vs. web-based administration of a problem-solving skills intervention for parents of children with cancer: Report of a randomized noninferiority trial. *EClinicalMedicine* 24:100428, 2020.

**Pichkur EB, Paleskava A, Tereshchenkov AG, Kasatsky P, Komarova ES, Shiriaev DI, Bogdanov AA, Dontsova OA, Osterman IA, Sergiev PV, Polikanov YS, Myasnikov AG, Konevega AL.** Insights into the improved macrolide inhibitory activity from the high-resolution cryo-EM structure of dirithromycin bound to the E. coli 70S ribosome. *RNA* 26:715-723, 2020.

**Pichon LC, Williams Powell T, Williams Stubbs A, Becton-Odum N, Ogg S, Arnold T, Thurston IB.** An exploration of U.S. Southern faith leaders' perspectives of HIV prevention, sexuality, and sexual health teachings. *Int J Environ Res Public Health* 17: 2020.

**Pierro J, Saliba J, Narang S, Sethia G, Saint Fleur-Lominy S, Chowdhury A, Qualls A, Fay H, Kilberg HL, Moriyama T, Fuller TJ, Teachey DT, Schmiegelow K, Yang JJ, Loh ML, Brown PA, Zhang J, Ma X, Tsigirgos A, Evensen NA, Carroll WL.** The NSD2 p.E1099K mutation is enriched at relapse and confers drug resistance in a cell context-dependent manner in pediatric acute lymphoblastic leukemia. *Mol Cancer Res* 18:1153-1165, 2020.

**Pierzynski JA, Clegg JL, Sim JA, Forrest CB, Robison LL, Hudson MM, Baker JN, Huang IC.** Patient-reported outcomes in paediatric cancer survivorship: A qualitative study to elicit the content from cancer survivors and caregivers. *BMJ Open* 10:e032414, 2020.

**Pinto EM, Fauz FR, Paza LZ, Wu G, Fernandes ES, Bertherat J, Stratakis CA, Lalli E, Ribeiro RC, Rodriguez-Galindo C, Figueiredo BC, Zambetti GP.** Germline variants in phosphodiesterase genes and genetic predisposition to pediatric adrenocortical tumors. *Cancers (Basel)* 12:506, 2020.

**Pinto EM, Figueiredo BC, Chen W, Galvao HCR, Formiga MN, Fragoso MCBV, Ashton-Prolla P, Ribeiro EMSF, Felix G, Costa TEB, Savage SA, Yeager M, Palmero EI, Volc S, Salvador H, Fuster-Soler JL, Lavarino C, Chantada G, Vaur D, Odone-Filho V, Brugieres L, Else T, Stoffel EM, Maxwell KN, Achatz MI, Kowalski L, de Andrade KC, Pappo A, Letouze E, Latronico AC, Mendonca BB, Almeida MQ, Brondani VB, Bittar CM, Soares EWS, Mathias C, Ramos CRN, Machado M, Zhou W, Jones K, Vogt A, Klincha PP, Santiago KM, Komechen H, Paraizo MM, Parise IZS, Hamilton KV, Wang J, Rampersaud E, Clay MR, Murphy AJ, Lalli E, Nichols KE, Ribeiro RC, Rodriguez-Galindo C, Korbonits M, Zhang J, Thomas MG, Connelly JP, Pruett-Miller S, Diekmann Y, Neale G, Wu G, Zambetti GP.** XAF1 as a modifier of p53 function and cancer susceptibility. *Sci Adv* 6:eaba3231, 2020.

**Pinto EM, Zambetti GP.** What 20 years of research has taught us about the TP53 p.R337H mutation. *Cancer* 126:4678-4686, 2020.

**Pinto EM, Zambetti GP, Rodriguez-Galindo C.** Pediatric adrenocortical tumours. *Best Pract Res Clin Endocrinol Metab* 34:101448, 2020.

**Piperno GM, Naseem A, Silvestrelli G, Amadio R, Caronni N, Cervantes-Luevano KE, Liv N, Klumperman J, Colliva A, Ali H, Graziano F, Benaroch P, Haecker H, Hanna RN, Benvenuti F.** Wiskott-Aldrich syndrome protein restricts cGAS/STING activation by dsDNA immune complexes. *JCI Insight* 5:e132857, 2020.

**Pipis M, Feely SME, Polke JM, Skorupinska M, Perez L, Shy RR, Laura M, Morrow JM, Moroni I, Pisciotta C, Taroni F, Vujovic D, Lloyd TE, Acsadi G, Yum SW, Lewis RA, Finkel RS, Herrmann DN, Day JW, Li J, Saporta M, Sadjadi R, Walk D, Burns J, Muntoni F, Ramchandren S, Horvath R, Johnson NE, Züchner S, Pareyson D, Scherer SS, Rossor AM, Shy ME, Reilly MM.** Natural history of Charcot-Marie-Tooth disease type 2A: A large international multicentre study. *Brain* 143:3589-3602, 2020.

**Place DE, Briard B, Samir P, Karki R, Bhattacharya A, Guy CS, Peters JL, Frase S, Vogel P, Neale G, Yamamoto M, Kanneganti TD.** Interferon inducible GBPs restrict *Burkholderia thailandensis* motility induced cell-cell fusion. *PLoS Pathog* 16:e1008364, 2020.

**Place DE, Kanneganti TD.** The innate immune system and cell death in autoinflammatory and autoimmune disease. *Curr Opin Immunol* 67:95-105, 2020.

**Place DE, Lee S, Kanneganti TD.** PANoptosis in microbial infection. *Curr Opin Microbiol* 59:42-49, 2020.

**Polites SF, Heaton TE, LaQuaglia MP, Kim ES, Barry WE, Goodhue CJ, Murphy AJ, Davidoff AM, Langham MR, Meyers RL, Short SS, Lautz TB, Glick RD, Vasudevan SA, Bence CM, Lal DR, Baertschiger RM, Emr B, Malek MM, Dasgupta R.** Pneumonectomy for pediatric tumors-A pediatric surgical oncology research collaborative study. *Ann Surg*, 2020.

**Porter CE, Rosewell Shaw A, Jung Y, Yip T, Castro PD, Sandulache VC, Sikora A, Gottschalk S, Ittman MM, Brenner MK, Suzuki M.** Oncolytic adenovirus armed with BiTE, cytokine, and checkpoint inhibitor enables CAR T cells to control the growth of heterogeneous tumors. *Mol Ther* 28:1251-1262, 2020.

**Poudel B, Yorek MS, Mazgaen L, Brown SA, Kanneganti TD, Gurung P.** Acute IL-4 governs pathogenic T cell responses during *Leishmania major* infection. *Immunohorizons* 4:546-560, 2020.

**Poulson R, Carter D, Beville S, Niles L, Dey A, Minton C, McKenzie P, Krauss S, Webby R, Webster R, Stallknecht DE.** Influenza A viruses in ruddy turnstones (*Arenaria interpres*); Connecting wintering and migratory sites with an ecological hotspot at Delaware Bay. *Viruses* 12: 2020.

**Powers AD, Drury JE, Hoehamer CF, Lockey TD, Meagher MM.** Lentiviral vector production from a stable packaging cell line using a packed bed bioreactor. *Mol Ther Methods Clin Dev* 19:1-13, 2020.

**Powers J, Pinto EM, Barnoud T, Leung JC, Martynyuk T, Kossenkov AV, Philips AH, Desai H, Hausler R, Kelly G, Le AN, Li MM, MacFarland SP, Pyle LC, Zelle K, Nathanson KL, Domchek SM, Slavin TP, Weitzel JN, Stopfer JE, Garber JE, Joseph V, Offit K, Dolinsky JS, Gutierrez S, McGoldrick K, Couch FJ, Levin B, Edelman MC, Levy CF, Spunt SL, Kriwacki RW, Zambetti GP, Ribeiro RC, Murphy ME, Maxwell KN.** A rare TP53 mutation predominant in Ashkenazi Jews confers risk of multiple cancers. *Cancer Res* 80:3732-3744, 2020.

**Prince EW, Whelan R, Mirsky DM, Stence N, Staulcup S, Klimo P, Anderson RCE, Niazi TN, Grant G, Souweidane M, Johnston JM, Jackson EM, Limbrick DD Jr, Smith A, Drapeau A, Chern JJ, Kilburn L, Ginn K, Naftel R, Dudley R, Tyler-Kabara E, Jallo G, Handler MH, Jones K, Donson AM, Foreman NK, Hankinson TC.** Robust deep learning classification of adamantinomatous craniopharyngioma from limited preoperative radiographic images. *Sci Rep* 10:16885, 2020.

**Prinzing B, Schreiner P, Bell M, Fan Y, Krenciute G, Gottschalk S.** MyD88/CD40 signaling retains CAR T cells in a less differentiated state. *JCI Insight* 5:e136093, 2020.

**Pruett-Miller SM.** Assessing off-target editing of CRISPR-Cas9 systems. *CRISPR J* 3:430-432, 2020.

**Pruett-Miller SM.** Cancer screens: Better together. *CRISPR J* 3:12-14, 2020.

**Pui CH.** Precision medicine in acute lymphoblastic leukemia. *Front Med* 14:689-700, 2020.

**Pujadas E, Chen L, Weingart JD, Orr B, Ozer BH, Holdhoff M, Rodriguez FJ.** TSC2 alterations in anaplastic ependymoma progression to ependymosarcoma. *Clin Neuropathol* 39:179-187, 2020.

**Qin N, Wang Z, Liu Q, Song N, Wilson CL, Ehrhardt MJ, Shelton K, Easton J, Mulder H, Kennetz D, Edmonson MN, Rusch MC, Downing JR, Hudson MM, Nichols KE, Zhang J, Robison LL, Yasui Y.** Pathogenic germline mutations in DNA repair genes in combination with cancer treatment exposures and risk of subsequent neoplasms among long-term survivors of childhood cancer.

*J Clin Oncol* 38:2728-2740, 2020.

**Qiu Y, Zheng Y, Grace CRR, Liu X, Klionsky DJ, Schulman BA.** Allosteric regulation through a switch element in the autophagy E2, Atg3.

*Autophagy* 16:183-184, 2020.

**Radka CD, Frank MW, Rock CO, Yao J.** Fatty acid activation and utilization by *Alistipes finegoldii*, a representative Bacteroidetes resident of the human gut microbiome.

*Mol Microbiol* 113:807-825, 2020.

**Radka CD, Frank MW, Yao J, Seetharaman J, Miller DJ, Rock CO.** The genome of a Bacteroidetes inhabitant of the human gut encodes a structurally distinct enoyl-acyl carrier protein reductase (FabI).

*J Biol Chem* 295:7635-7652, 2020.

**Raghavan KC, Camfield AS, Lucas J, Ismael Y, Rossi MG, Anghelescu DL.** Propofol total intravenous anesthesia as an intervention for severe radiation-induced phantasmia in an adolescent with ependymoma.

*J Adolesc Young Adult Oncol* 9:299-302, 2020.

**Rai P, Ataga KI.** Drug therapies for the management of sickle cell disease.

*F1000Res* 9:F1000 Faculty Rev-592, 2020.

**Rai SN, Qian C, Pan J, Seth A, Srivastava DK, Bhatnagar A.** Statistical design of Phase II/III clinical trials for testing therapeutic interventions in COVID-19 patients.

*BMC Med Res Methodol* 20:220, 2020.

**Rai V, Wood MB, Feng H, Schabla NM, Tu S, Zuo J.** The immune response after noise damage in the cochlea is characterized by a heterogeneous mix of adaptive and innate immune cells.

*Sci Rep* 10:15167, 2020.

**Ramsey WA, Heidelberg RE, Gilbert AM, Heneghan MB, Badawy SM, Alberts NM.** eHealth and mHealth interventions in pediatric cancer: A systematic review of interventions across the cancer continuum.

*Psychooncology* 29:17-37, 2020.

**Raney L, McManaman J, Elsaid M, Morgan J, Bowman R, Mohamed A, Russo CL.** Multisite quality improvement initiative to repair incomplete electronic medical record documentation as one of many causes of provider burnout.

*JCO Oncol Pract* 16:e1412-e1416, 2020.

**Raynor JL, Liu C, Dhungana Y, Guy C, Chapman NM, Shi H, Neale G, Sesaki H, Chi H.** Hippo/Mst signaling coordinates cellular quiescence with terminal maturation in iNKT cell development and fate decisions.

*J Exp Med* 217:e20191157, 2020.

**Reddick SJ, Campagne O, Huang J, Onar-Thomas A, Broniscer A, Gajjar A, Stewart CF.** Correction to: Pharmacokinetics and safety of erlotinib and its metabolite OSI-420 in infants and children with primary brain tumors.

*Cancer Chemother Pharmacol* 85:475, 2020.

**Reddy AT, Strother DR, Judkins AR, Burger PC, Pollack IF, Krailo MD, Buxton AB, Williams-Hughes C, Fouladi M, Mahajan A, Merchant TE, Ho B, Mazewski CM, Lewis VA, Gajjar A, Vezina LG, Booth TN, Parsons KW, Poss VL, Zhou T, Biegel JA, Huang A.** Efficacy of high-dose chemotherapy and three-dimensional conformal radiation for atypical teratoid/rhabdoid Tumor: A Report from the Children's Oncology Group Trial ACNS0333.

*J Clin Oncol* 38:1175-1185, 2020.

**Reddy N, Ellison DW, Soares BP, Carson KA, Huisman TAGM, Patay Z.** Pediatric posterior fossa medulloblastoma: The role of diffusion imaging in identifying molecular groups.

*J Neuroimaging* 30:503-511, 2020.

**Reeve BB, McFatrigh M, Mack JW, Maurer SH, Jacobs SS, Freyer DR, Withycombe JS, Baker JN, Castellino SM, Lin L, Lucas NR, Hinds PS.** Validity and reliability of the pediatric patient-reported outcomes version of the Common Terminology Criteria for Adverse Events.

*J Natl Cancer Inst* 112:1143-1152, 2020.

**Reeve BB, McFatrigh M, Mack JW, Pinheiro LC, Jacobs SS, Baker JN, Withycombe JS, Lin L, Mann CM, Villabroza KR, Hinds PS.** Expanding construct validity of established and new PROMIS Pediatric measures for children and adolescents receiving cancer treatment.

*Pediatr Blood Cancer* 67:e28160, 2020.

**Relling MV, Klein TE, Gammal RS, Whirl-Carrillo M, Hoffman JM, Caudle KE.** The Clinical Pharmacogenetics Implementation Consortium: 10 years later.

*Clin Pharmacol Ther* 107:171-175, 2020.

**Rentas S, Pillai V, Wertheim GB, Akgumus GT, Nichols KE, Deardorff MA, Conlin LK, Li MM, Olson TS, Luo M.** Evolution of histomorphologic, cytogenetic, and genetic abnormalities in an untreated patient with MIRAGE syndrome.

*Cancer Genet* 245:42-48, 2020.

**Rezinciuc S, Bezavada L, Bahadoran A, Duan S, Wang R, Lopez-Ferrer D, Finkelstein D, McGargill MA, Green DR, Pasatolic L, Smallwood HS.** Dynamic metabolic reprogramming in dendritic cells: An early response to influenza infection that is essential for effector function.

*PLoS Pathog* 16:e1008957, 2020.

**Riback JA, Zhu L, Ferrolino MC, Tolbert M, Mitrea DM, Sanders DW, Wei MT, Kriwacki RW, Brangwynne CP.** Composition-dependent thermodynamics of intracellular phase separation.

*Nature* 581:209-214, 2020.

**Riberdy JM, Zhou S, Zheng F, Kim YI, Moore J, Vaidya A, Throm RE, Sykes A, Sahr N, Bonifant CL, Ryu B, Gottschalk S, Velasquez MP.** The art and science of selecting a CD123-specific chimeric antigen receptor for clinical testing.

*Mol Ther Methods Clin Dev* 18:571-581, 2020.

**Richard MA, Lupo PJ, Morton LM, Yasui YA, Sapkota YA, Arnold MA, Aubert G, Neglia JP, Turcotte LM, Leisenring WM, Sampson JN, Chanock SJ, Hudson MM, Armstrong GT, Robison LL, Bhatia S, Gramatges MM.** Genetic variation in POT1 and risk of thyroid subsequent malignant neoplasm: A report from the Childhood Cancer Survivor Study.

*PLoS One* 15:e0228887, 2020.

**Richeson KV, Bodrug T, Sackton KL, Yamaguchi M, Paulo JA, Gygi SP, Schulman BA, Brown NG, King RW.** Paradoxical mitotic exit induced by a small molecule inhibitor of APC/C(Cdc20).

*Nat Chem Biol* 16:546-555, 2020.

**Rickard M, Fernandez N, Blais AS, Shalabi A, Amirabadi A, Traubici J, Lee W, Gleason J, Brzezinski J, Lorenzo AJ.** Volumetric assessment of unaffected parenchyma and Wilms' tumours: Analysis of response to chemotherapy and surgery using a semi-automated segmentation algorithm in children with renal neoplasms.

*BJU Int* 125:695-701, 2020.

**Ritzmann TA, Rogers HA, Paine SML, Storer LCD, Jacques TS, Chapman RJ, Ellison D, Donson AM, Foreman NK, Grundy RG.** A retrospective analysis of recurrent pediatric ependymoma reveals extremely poor survival and ineffectiveness of current treatments across central nervous system locations and molecular subgroups.

*Pediatr Blood Cancer* 67:e28426, 2020.

**Roberts KG, Mullighan CG.** The biology of B-progenitor acute lymphoblastic leukemia.

*Cold Spring Harb Perspect Med* 10:a034835, 2020.

**Robinson GW, Gajjar A.** Genomics paves the way for better infant medulloblastoma therapy.

*J Clin Oncol* 38:2010-2013, 2020.

**Robles-Murguia M, Rao D, Finkelstein D, Xu B, Fan Y, Demontis F.** Muscle-derived Dpp regulates feeding initiation via endocrine modulation of brain dopamine biosynthesis.

*Genes Dev* 34:37-52, 2020.

**Rodriguez-Galindo C, Allen CE.** Langerhans cell histiocytosis.

*Blood* 135:1319-1331, 2020.

**Rogers VE, Zhu S, Mandrell BN, Ancoli-Israel S, Liu L, Hinds PS.** Relationship between circadian activity rhythms and fatigue in hospitalized children with CNS cancers receiving high-dose chemotherapy.

*Support Care Cancer* 28:1459-1467, 2020.



- Rosa-Santos TM, Silva RGD, Kumar P, Kottapalli P, Crasto C, Kottapalli KR, França SC, Zingaretti SM.** Molecular mechanisms underlying sugarcane response to aluminum stress by RNA-seq. *Int J Mol Sci* 21:7934, 2020.
- Rosch JW, Tuomanen EI.** Caging and COM-bating antibiotic resistance. *Cell Host Microbe* 27:489-490, 2020.
- Rosikiewicz W, Chen X, Dominguez PM, Ghamlouch H, Aoufouchi S, Bernard OA, Melnick A, Li S.** TET2 deficiency reprograms the germinal center B cell epigenome and silences genes linked to lymphomagenesis. *Sci Adv* 6:eaay5872, 2020.
- Roussel MF, Stripay JL.** Modeling pediatric medulloblastoma. *Brain Pathol* 30:703-712, 2020.
- Rowe HM, Livingston B, Margolis E, Davis A, Meliopoulos VA, Echlin H, Schultz-Cherry S, Rosch JW.** Respiratory bacteria stabilize and promote airborne transmission of influenza A virus. *mSystems* 5:e00762-20, 2020.
- Ruberte J, Schofield PN, Brakebusch C, Vogel P, Herault Y, Gracia G, McKerlie C, Hrabe de Angelis M, Hagn M, Sundberg JP.** PATHBIO: An international training program for precision mouse phenotyping. *Mamm Genome* 31:49-53, 2020.
- Ruscetti M, Morris JP 4th, Mezzadra R, Russell J, Leibold J, Romesser PB, Simon J, Kulick A, Ho YJ, Fennell M, Li J, Norgard RJ, Wilkinson JE, Alonso-Curbelo D, Sridharan R, Heller DA, de Stanchina E, Stanger BZ, Sherr CJ, Lowe SW.** Senescence-induced vascular remodeling creates therapeutic vulnerabilities in pancreas cancer. *Cell* 181:424-441.e21, 2020.
- Russell CJ, Penkert RR, Kim S, Hurwitz JL.** Human metapneumovirus: A largely unrecognized threat to human health. *Pathogens* 9:109, 2020.
- Russier M, Yang G, Briard B, Meliopoulos V, Cherry S, Kanneganti TD, Schultz-Cherry S, Vogel P, Russell CJ.** HA stability regulates H1N1 influenza virus replication and pathogenicity in mice by modulating type I interferon responses in dendritic cells. *J Virol* 94:e01423-19, 2020.
- Russo C, Stout L, House T, Santana VM.** Barriers and facilitators of clinical trial enrollment in a network of community-based pediatric oncology clinics. *Pediatr Blood Cancer* 67:e28023, 2020.
- Ryall S, Zapotocky M, Fukuoka K, Nobre L, Guerreiro Stucklin A, Bennett J, Siddaway R, Li C, Pajovic S, Arnaldo A, Kowalski PE, Johnson M, Sheth J, Lassaletta A, Tatevossian RG, Orisme W, Qaddoumi I, Surrey LF, Li MM, Waanders AJ, Gilheeneey S, Rosenblum M, Bale T, Tsang DS, Laperriere N, Kulkarni A, Ibrahim GM, Drake J, Dirks P, Taylor MD, Rutka JT, Laughlin S, Shroff M, Shago M, Hazrati LN, D'Arcy C, Ramaswamy V, Bartels U, Huang A, Bouffet E, Karajannis MA, Santi M, Ellison DW, Tabori U, Hawkins C.** Integrated molecular and clinical analysis of 1,000 pediatric low-grade gliomas. *Cancer Cell* 37:569-583.e5, 2020.
- Saab R, Obeid A, Gachi F, Boudiaf H, Sargsyan L, Al-Saad K, Javakhadze T, Mehrvar A, Abbas SS, Abed Al-Agele YS, Al-Haddad S, Al Ani MH, Al-Sweedan S, Al Kofide A, Jastaniah W, Khalifa N, Bechara E, Baassiri M, Noun P, El-Houdzi J, Khattab M, Sagar Sharma K, Wali Y, Mushtaq N, Batool A, Faizan M, Raza MR, Najajreh M, Mohammed Abdallah MA, Sousan G, Ghanem KM, Kocak U, Kutluk T, Demir HA, Hodeish H, Muwakkit S, Belgaumi A, Al-Rawas AH, Jeha S.** Impact of the coronavirus disease 2019 (COVID-19) pandemic on pediatric oncology care in the Middle East, North Africa, and West Asia Region: A report from the Pediatric Oncology East and Mediterranean (POEM) Group. *Cancer* 126:4235-4245, 2020.
- Sahoo SS, Kozyra EJ, Wlodarski MW.** Germline predisposition in myeloid neoplasms: Unique genetic and clinical features of GATA2 deficiency and SAMD9/SAMD9L syndromes. *Best Pract Res Clin Haematol* 33:101197, 2020.
- Saint Fleur-Lominy S, Evensen NA, Bhatla T, Sethia G, Narang S, Choi JH, Ma X, Yang JJ, Kelly S, Raetz E, Harvey RC, Willman C, Loh ML, Hunger SP, Brown PA, Getz KM, Meydan C, Mason CE, Tsirigos A, Carroll WL.** Evolution of the epigenetic landscape in childhood B acute lymphoblastic leukemia and its role in drug resistance. *Cancer Res* 80:5189-5202, 2020.

- Sakamoto T, Matsuura TR, Wan S, Ryba DM, Kim JU, Won KJ, Lai L, Petucci C, Petrenko N, Musunuru K, Vega RB, Kelly DP.** A critical role for estrogen-related receptor signaling in cardiac maturation. *Circ Res* 126:1685-1702, 2020.
- Sakata S, Tsumura M, Matsubayashi T, Karakawa S, Kimura S, Tamaura M, Okano T, Naruto T, Mizoguchi Y, Kagawa R, Nishimura S, Imai K, Le Voyer T, Casanova JL, Bustamante J, Morio T, Ohara O, Kobayashi M, Okada S.** Autosomal recessive complete STAT1 deficiency caused by compound heterozygous intronic mutations. *Int Immunol* 32:663-671, 2020.
- Salamatina A, Yang JH, Brenner-Morton S, Bikoff JB, Fang L, Kintner CR, Jessell TM, Sweeney LB.** Differential loss of spinal interneurons in a mouse model of ALS. *Neuroscience* 450:81-95, 2020.
- Saliba J, Evensen NA, Meyer JA, Newman D, Nersting J, Narang S, Ma X, Schmiegelow K, Carroll WL.** Feasibility of monitoring peripheral blood to detect emerging clones in children with acute lymphoblastic leukemia. *Pediatr Blood Cancer* 67:e28306, 2020.
- Salzer WL, Burke MJ, Devidas M, Dai Y, Hardy KK, Kairalla JA, Gore L, Hilden JM, Larsen E, Rabin KR, Zweidler-McKay PA, Borowitz MJ, Wood B, Heerema NA, Carroll AJ, Winick N, Carroll WL, Raetz EA, Loh ML, Hunger SP.** Impact of intrathecal triple therapy versus intrathecal methotrexate on disease-free survival for high-risk B-lymphoblastic leukemia: Children's Oncology Group Study AALL1131. *J Clin Oncol* 38:2628-2638, 2020.
- Samarasinghe AE, Penkert RR, Hurwitz JL, Sealy RE, LeMessurier KS, Hammond C, Dubin PJ, Lew DB.** Questioning cause and effect: Children with severe asthma exhibit high levels of inflammatory biomarkers including beta-hexosaminidase, but low levels of vitamin A and immunoglobulins. *Biomedicines* 8:E393, 2020.
- Samir P, Kanneganti TD.** DDX3X sits at the crossroads of liquid-liquid and prionoid phase transitions arbitrating life and death cell fate decisions in stressed cells. *DNA Cell Biol* 39:1091-1095, 2020.
- Samir P, Malireddi RKS, Kanneganti TD.** The PANoptosome: A deadly protein complex driving pyroptosis, apoptosis, and necroptosis (PANoptosis). *Front Cell Infect Microbiol* 10:238, 2020.
- Santana VM, Sahr N, Tatevossian RG, Jia S, Campagne O, Sykes A, Stewart CF, Furman WL, McGregor LM.** A phase 1 trial of everolimus and bevacizumab in children with recurrent solid tumors. *Cancer* 126:1749-1757, 2020.
- Sapkota Y, Wilson CL, Zaidi AK, Moon W, Fon Tacer K, Lu L, Liu Q, Baedke J, Dhaduk R, Wang Z, Chemaitilly W, Krasin MJ, Berry FB, Zhang J, Hudson MM, Robison LL, Green DM, Yasui Y.** A novel locus predicts spermatogenic recovery among childhood cancer survivors exposed to alkylating agents. *Cancer Res* 80:3755-3764, 2020.
- Saravia J, Raynor JL, Chapman NM, Lim SA, Chi H.** Signaling networks in immunometabolism. *Cell Res* 30:328-342, 2020.
- Saravia J, Zeng H, Dhungana Y, Bastardo Blanco D, Nguyen TM, Chapman NM, Wang Y, Kanneganti A, Liu S, Raynor JL, Vogel P, Neale G, Carmeliet P, Chi H.** Homeostasis and transitional activation of regulatory T cells require c-Myc. *Sci Adv* 6:eaaw6443, 2020.
- Saulsberry AC, Hodges JR, Cole A, Porter JS, Hankins J.** Web-based technology to improve disease knowledge among adolescents with sickle cell disease: Pilot study. *JMIR Pediatr Parent* 3:e15093, 2020.
- Saxena R, Stanley CB, Kumar P, Cuneo MJ, Patil D, Jha J, Weiss KL, Chatteraj DK, Croke E.** A nucleotide-dependent oligomerization of the Escherichia coli replication initiator DnaA requires residue His136 for remodeling of the chromosomal origin. *Nucleic Acids Res* 48:200-211, 2020.
- Schepers SA, Russell K, Berlin KS, Zhang H, Wang F, Phipps S.** Daily mood profiles and psychosocial adjustment in youth with newly diagnosed cancer and healthy peers.

*Health Psychol* 39:1-9, 2020.

**Schieber M, Marinaccio C, Bolanos LC, Haffey WD, Greis KD, Starczynowski DT, Crispino JD.** FBXO11 is a candidate tumor suppressor in the leukemic transformation of myelodysplastic syndrome.  
*Blood Cancer J* 10:98, 2020.

**Schmit JD, Bouchard JJ, Martin EW, Mittag T.** Protein network structure enables switching between liquid and gel states.  
*J Am Chem Soc* 142:874-883, 2020.

**Schnetler R, Fanucchi S, Moldoveanu T, Koorsen G.** Linker histone H1.2 directly activates BAK through the K/RVVKP motif on the C-terminal domain.  
*Biochemistry* 59:3332-3346, 2020.

**Schonfeld SJ, Howell RM, Smith SA, Neglia JP, Turcotte LM, Arnold MA, Inskip PD, Oeffinger KC, Moskowitz CS, Henderson TO, Leisenring WM, Gibson TM, Berrington de Gonzalez A, Sampson JN, Chanock SJ, Tucker MA, Bhatia S, Robison LL, Armstrong GT, Morton LM.** Comparison of radiation dose reconstruction methods to investigate late adverse effects of radiotherapy for childhood cancer: A report from the Childhood Cancer Survivor Study.  
*Radiat Res* 193:95-106, 2020.

**Schreiner K, Grosseohme DH, Friebert S, Baker JN, Needle J, Lyon ME.** "Living life as if I never had cancer": A study of the meaning of living well in adolescents and young adults who have experienced cancer.  
*Pediatr Blood Cancer* 67:e28599, 2020.

**Schuetz JD.** "OMICs" reveal the molecular basis of a rare blood group.  
*Blood* 135:396-397, 2020.

**Schuler B, Borgia A, Borgia MB, Heidarsson PO, Holmstrom ED, Nettels D, Sottini A.** Binding without folding - The biomolecular function of disordered polyelectrolyte complexes.  
*Curr Opin Struct Biol* 60:66-76, 2020.

**Schulte F, Forbes C, Wurz A, Patton M, Russell KB, Pluijm S, Krull KR.** Childhood cancer survivorship: Daily challenges.  
*Pediatr Clin North Am* 67:1083-1101, 2020.

**Schulte JJ, Steinmetz J, Furtado LV, Husain AN, Lingen MW, Cipriani NA.** Metastatic HPV-associated oropharyngeal versus primary pulmonary squamous cell carcinoma: Is p16 immunostain useful?  
*Head Neck Pathol* 14:966-973, 2020.

**Schwartz DL, Hayes DN.** The evolving role of radiotherapy for head and neck cancer.  
*Hematol Oncol Clin North Am* 34:91-108, 2020.

**Scott DC, Kleiger G.** Regulation of Cullin-RING E3 ligase dynamics by Inositol hexakisphosphate.  
*Proc Natl Acad Sci U S A* 117:6292-6294, 2020.

**Seelisch J, De Alarcon PA, Flerlage JE, Hoppe BS, Kaste SC, Kelly KM, Kurch L, Marks LJ, Mauz-Koerholz C, McCarten K, Metzger ML, Stroevesandt D, Voss SD, Punnett A.** Expert consensus statements for Waldeyer's ring involvement in pediatric Hodgkin lymphoma: The staging, evaluation, and response criteria harmonization (SEARCH) for childhood, adolescent, and young adult Hodgkin lymphoma (CAYAHL) group.  
*Pediatr Blood Cancer* 67:e28361, 2020.

**Selvaraj B, Kocaman S, rifas M, Serpersu EH, Cuneo MJ.** "Catch and release": A variation of the archetypal nucleotidyl transfer reaction.  
*ACS Catal* 10:3548-3555, 2020.

**Shao Y, Xu J, Qiao Y, Shao Y, Fei JM.** The effects of temperature on dynamics of psychiatric outpatients.  
*Front Psychiatry* 11:523059, 2020.

**Sharma A, Bhakta N, Johnson LM.** Germline gene editing for sickle cell disease.  
*Am J Bioeth* 20:46-49, 2020.

**Sharma A, Easow Mathew M, Sriganesh V, Reiss UM.** Gene therapy for haemophilia.  
*Cochrane Database Syst Rev* 4:CD010822, 2020.

**Sharma A, Johnson LM.** Bringing known drugs to pediatric research: Safety, efficacy, and the ambiguous minor increase in

minimal risk.  
*Am J Bioeth* 20:106-108, 2020.

**Sharma D, Malik A, Balakrishnan A, Malireddi RKS, Kanneganti TD.** RIPK3 promotes Mefv expression and pyrin inflammasome activation via modulation of mTOR signaling.  
*J Immunol* 205:2778-2785, 2020.

**Sharma R, Klairmont MM, Holland AC, Choi JK, Mullighan CG, Wang L, Sandlund JT, Pui CH, Inaba H.** Integrative genomic analysis of B-lymphoblastic lymphoma with intrachromosomal amplification of chromosome 21.  
*Pediatr Blood Cancer* 67:e28357, 2020.

**Sharma R, Lewis S, Wlodarski MW.** DNA repair syndromes and cancer: Insights into genetics and phenotype patterns.  
*Front Pediatr* 8:570084, 2020.

**Shayeb AM, Li C, Kang G, Reiss UM, Elbahlawan L.** Use of recombinant activated factor VII for uncontrolled bleeding in a haematology/oncology paediatric ICU cohort.  
*Blood Coagul Fibrinolysis* 31:440-444, 2020.

**Shen S, Chen X, Cai J, Yu J, Gao J, Hu S, Zhai X, Liang C, Ju X, Jiang H, Jin R, Wu X, Wang N, Tian X, Pan K, Jiang H, Sun L, Fang Y, Li CK, Hu Q, Yang M, Zhu Y, Zhang H, Li C, Pei D, Jeha S, Yang JJ, Cheng C, Tang J, Zhu X, Pui CH.** Effect of dasatinib vs imatinib in the treatment of pediatric Philadelphia chromosome-positive acute lymphoblastic leukemia: A randomized clinical trial.  
*JAMA Oncol* 6:358-366, 2020.

**Shi H, Tao T, Abraham BJ, Durbin AD, Zimmerman MW, Kadoch C, Look AT.** ARID1A loss in neuroblastoma promotes the adrenergic-to-mesenchymal transition by regulating enhancer-mediated gene expression.  
*Sci Adv* 6:eaaz3440, 2020.

**Shrestha S, Gupta AC, Bates JE, Lee C, Owens CA, Hoppe BS, Constine LS, Smith SA, Qiao Y, Weathers RE, Yasui Y, Court LE, Paulino AC, Pinnix CC, Kry SF, Followill DS, Armstrong GT, Howell RM.** Development and validation of an age-scalable cardiac model with substructures for dosimetry in late-effects studies of childhood cancer survivors.  
*Radiother Oncol* 153:163-171, 2020.

**Shubina M, Tummers B, Boyd DF, Zhang T, Yin C, Gautam A, Guo XJ, Rodriguez DA, Kaiser WJ, Vogel P, Green DR, Thomas PG, Balachandran S.** Necroptosis restricts influenza A virus as a stand-alone cell death mechanism.  
*J Exp Med* 217:e20191259, 2020.

**Sievers P, Chiang J, Schrimpf D, Stichel D, Paramasivam N, Sill M, Gayden T, Casalini B, Reuss DE, Dalton J, Pajtler KW, Hanggi D, Herold-Mende C, Rushing E, Korshunov A, Mawrin C, Weller M, Schlesner M, Wick W, Jabado N, Jones DTW, Pfister SM, von Deimling A, Ellison DW, Sahm F.** YAP1-fusions in pediatric NF2-wildtype meningioma.  
*Acta Neuropathol* 139:215-218, 2020.

**Sim JA, Hyun G, Gibson TM, Yasui Y, Leisenring W, Hudson MM, Robison LL, Armstrong GT, Krull KR, Huang IC.** Negligible effects of the survey modes for patient-reported outcomes: A report from the Childhood Cancer Survivor Study.  
*JCO Clin Cancer Inform* 4:10-24, 2020.

**Singh P, Wang X, Hageman L, Chen Y, Magdy T, Landier W, Ginsberg JP, Neglia JP, Sklar CA, Castellino SM, Dreyer ZE, Hudson MM, Robison LL, Blanco JG, Relling MV, Burrig P, Bhatia S.** Association of GSTM1 null variant with anthracycline-related cardiomyopathy after childhood cancer-A Children's Oncology Group ALTE03N1 report.  
*Cancer* 126:4051-4058, 2020.

**Sinha A, Saleh A, Endersby R, Yuan SH, Chokshi CR, Brown KR, Kuzio B, Kauppinen T, Singh SK, Baker SJ, McKinnon PJ, Katyal S.** RAD51-Mediated DNA homologous recombination is independent of PTEN mutational status.  
*Cancers (Basel)* 12: 2020.

**Sirohi D, Schmidt RL, Aisner DL, Behdad A, Betz BL, Brown N, Coleman JF, Corless CL, Deftereos G, Ewalt MD, Fernandes H, Hsiao SJ, Mansukhani MM, Murray SS, Niu N, Ritterhouse LL, Suarez CJ, Tafe LJ, Thorson JA, Segal JP, Furtado LV.** Multi-institutional evaluation of interrater agreement of variant classification based on the 2017 Association for Molecular Pathology, American Society of Clinical Oncology, and College of American Pathologists standards and guidelines for the interpretation and reporting of sequence variants in cancer.  
*J Mol Diagn* 22:284-293, 2020.

**Sisk BA, Friedrich A, Blazin LJ, Baker JN, Mack JW, DuBois J.** Communication in pediatric oncology: A qualitative study.  
*Pediatrics* 146:e20201193, 2020.

**Skalet AH, Allen RC, Shields CL, Wilson MW, Mruthyunjaya P, Gombos DS.** Considerations for the management and triage of ocular oncology cases during the COVID-19 pandemic.

*Ocul Oncol Pathol* 6:1-4, 2020.

**Slavish PJ, Chi L, Yun MK, Tsurkan L, Martinez NE, Jonchere B, Chai SC, Connelly M, Waddell MB, Das S, Neale G, Li Z, Shadrack WR, Olsen RR, Freeman KW, Low JA, Price JE, Young BM, Bharatham N, Boyd VA, Yang J, Lee RE, Morfouace M, Roussel MF, Chen T, Savic D, Guy RK, White SW, Shelat AA, Potter PM.** Bromodomain-selective BET inhibitors are potent antitumor agents against MYC-driven pediatric cancer.

*Cancer Res* 80:3507-3518, 2020.

**Slobod KS, Hurwitz JL.** How basic immunological principles may instruct the design of a successful HIV-type 1 vaccine.

*Viral Immunol* 33:233-236, 2020.

**Slyper M, Porter CBM, Ashenberg O, Waldman J, Drokhlyansky E, Wakiro I, Smillie C, Smith-Rosario G, Wu J, Dionne D, Vigneau S, Jane-Valbuena J, Tickle TL, Napolitano S, Su MJ, Patel AG, Karlstrom A, Gritsch S, Nomura M, Waghray A, Gohil SH, Tsankov AM, Jerby-Arnon L, Cohen O, Klughammer J, Rosen Y, Gould J, Nguyen L, Hofree M, Tramontozzi PJ, Li B, Wu CJ, Izar B, Haq R, Hodi FS, Yoon CH, Hata AN, Baker SJ, Suva ML, Bueno R, Stover EH, Clay MR, Dyer MA, Collins NB, Matulonis UA, Wagle N, Johnson BE, Rotem A, Rozenblatt-Rosen O, Regev A.** Author Correction: A single-cell and single-nucleus RNA-Seq toolbox for fresh and frozen human tumors.

*Nat Med* 26:1307, 2020.

**Slyper M, Porter CBM, Ashenberg O, Waldman J, Drokhlyansky E, Wakiro I, Smillie C, Smith-Rosario G, Wu J, Dionne D, Vigneau S, Jane-Valbuena J, Tickle TL, Napolitano S, Su MJ, Patel AG, Karlstrom A, Gritsch S, Nomura M, Waghray A, Gohil SH, Tsankov AM, Jerby-Arnon L, Cohen O, Klughammer J, Rosen Y, Gould J, Nguyen L, Hofree M, Tramontozzi PJ, Li B, Wu CJ, Izar B, Haq R, Hodi FS, Yoon CH, Hata AN, Baker SJ, Suva ML, Bueno R, Stover EH, Clay MR, Dyer MA, Collins NB, Matulonis UA, Wagle N, Johnson BE, Rotem A, Rozenblatt-Rosen O, Regev A.** A single-cell and single-nucleus RNA-Seq toolbox for fresh and frozen human tumors.

*Nat Med* 26:792-802, 2020.

**Smith KS, Xu K, Mercer KS, Boop F, Klimo P, DeCupyere M, Grenet J, Robinson S, Dunphy P, Baker SJ, Ellison DW, Merchant TE, Upadayaya SA, Gajjar A, Wu G, Orr BA, Robinson GW, Northcott PA, Roussel MF.** Patient-derived orthotopic xenografts of pediatric brain tumors: A St. Jude resource.

*Acta Neuropathol* 140:209-225, 2020.

**Smith M, Honce R, Schultz-Cherry S.** Metabolic syndrome and viral pathogenesis: Lessons from influenza and coronaviruses.

*J Virol* 94: 2020.

**Smith WT, Shiao KT, Varotto E, Zhou Y, Iijima M, Anghelescu DL, Cheng C, Jeha S, Pui CH, Kaste SC, Inaba H.** Evaluation of chest radiographs of children with newly diagnosed acute lymphoblastic leukemia.

*J Pediatr* 223:120-127.e3, 2020.

**Snaman J, Morris SE, Rosenberg AR, Holder R, Baker J, Wolfe J.** Reconsidering early parental grief following the death of a child from cancer: A new framework for future research and bereavement support.

*Support Care Cancer* 28:4131-4139, 2020.

**Somjee R, Mitrea DM, Kriwacki RW.** Exploring relationships between the density of charged tracts within disordered regions and phase separation.

*Pac Symp Biocomput* 25:207-218, 2020.

**Song N, Huang D, Jang D, Kim MJ, Jeong SY, Shin A, Park JW.** Optimal body mass index cut-off point for predicting colorectal cancer survival in an Asian population: A National Health Information Database analysis.

*Cancers (Basel)* 12:830, 2020.

**Song N, Li Z, Qin N, Howell CR, Wilson CL, Easton J, Mulder HL, Edmonson MN, Rusch MC, Zhang J, Hudson MM, Yasui Y, Robison LL, Ness KK, Wang Z.** Shortened leukocyte telomere length associates with an increased prevalence of chronic health conditions among survivors of childhood cancer: A report from the St. Jude Lifetime Cohort.

*Clin Cancer Res* 26:2362-2371, 2020.

**Sonn-Segev A, Belacic K, Bodrug T, Young G, VanderLinden RT, Schulman BA, Schimpf J, Friedrich T, Dip PV, Schwartz TU, Bauer B, Peters JM, Struwe WB, Benesch JLP, Brown NG, Haselbach D, Kukura P.** Quantifying the heterogeneity of macromolecular machines by mass photometry.

*Nat Commun* 11:1772, 2020.

- Sottini A, Borgia A, Borgia MB, Bugge K, Nettels D, Chowdhury A, Heidarsson PO, Zosel F, Best RB, Kragelund BB, Schuler B.** Polyelectrolyte interactions enable rapid association and dissociation in high-affinity disordered protein complexes. *Nat Commun* 11:5736, 2020.
- Spiegl HR, Murphy AJ, Yanishevski D, Brennan RC, Li C, Lu Z, Gleason J, Davidoff AM.** Complications following nephron-sparing surgery for Wilms tumor. *J Pediatr Surg* 55:126-129, 2020.
- Spunt SL, Million L, Chi YY, Anderson J, Tian J, Hibbitts E, Coffin C, McCarville MB, Randall RL, Parham DM, Black JO, Kao SC, Hayes-Jordan A, Wolden S, Laurie F, Speights R, Kawashima E, Skapek SX, Meyer W, Pappo AS, Hawkins DS.** A risk-based treatment strategy for non-rhabdomyosarcoma soft-tissue sarcomas in patients younger than 30 years (ARST0332): A Children's Oncology Group prospective study. *Lancet Oncol* 21:145-161, 2020.
- Stallknecht DE, Kienzle-Dean C, Davis-Fields N, Jennelle CS, Bowman AS, Nolting JM, Boyce WM, Crum JM, Santos JJS, Brown JD, Prosser DJ, De La Cruz SEW, Ackerman JT, Casazza ML, Krauss S, Perez DR, Ramey AM, Poulson RL.** Limited detection of antibodies to clade 2.3.4.4 A/Goose/Guangdong/1/1996 lineage highly pathogenic H5 avian influenza virus in North American waterfowl. *J Wildl Dis* 56:47-57, 2020.
- Stiles ZE, Murphy AJ, Anghelescu DL, Brown CL, Davidoff AM, Dickson PV, Glazer ES, Bishop MW, Furman WL, Pappo AS, Lucas JT Jr, Deneve JL.** Desmoplastic small round cell tumor: Long-term complications after cytoreduction and hyperthermic intraperitoneal chemotherapy. *Ann Surg Oncol* 27:171-178, 2020.
- Streefkerk N, Fioole LCE, Beijer JGM, Feijen ELAM, Teepen JC, Winther JF, Ronckers CM, Loonen JJ, van Dulmen-den Broeder E, Skinner R, Hudson MM, Tissing WJE, Korevaar JC, Mulder RL, Kremer LCM.** Large variation in assessment and outcome definitions to describe the burden of long-term morbidity in childhood cancer survivors: A systematic review. *Pediatr Blood Cancer* 67:e28611, 2020.
- Stripay JL, Merchant TE, Roussel MF, Tinkle CL.** Preclinical models of craniospinal irradiation for medulloblastoma. *Cancers (Basel)* 12:133, 2020.
- Su W, Chapman NM, Wei J, Zeng H, Dhungana Y, Shi H, Saravia J, Zhou P, Long L, Rankin S, Kc A, Vogel P, Chi H.** Protein prenylation drives discrete signaling programs for the differentiation and maintenance of effector T(reg) cells. *Cell Metab* 32:996-1011.e7, 2020.
- Subiel A, Moskvina V, Welsh GH, Cipiccia S, Reboredo D, DesRosiers C, Jaroszynski DA.** Corrigendum to "Challenges of dosimetry of ultra-short pulsed very high energy electron beams" [Phys. Med. 42 (2017) 327-331]. *Phys Med* 76:345, 2020.
- Subramanian C, Yao J, Frank MW, Rock CO, Jackowski S.** A pantothenate kinase-deficient mouse model reveals a gene expression program associated with brain coenzyme a reduction. *Biochim Biophys Acta Mol Basis Dis* 1866:165663, 2020.
- Such L, Zhao F, Liu D, Thier B, Le-Trilling VTK, Sucker A, Coch C, Pieper N, Howe S, Bhat H, Kalkavan H, Ritter C, Brinkhaus R, Ugurel S, Köster J, Seifert U, Dittmer U, Schuler M, Lang KS, Kufer TA, Hartmann G, Becker JC, Horn S, Ferrone S, Liu D, Van Allen EM, Schadendorf D, Griewank K, Trilling M, Paschen A.** Targeting the innate immunoreceptor RIG-I overcomes melanoma-intrinsic resistance to T cell immunotherapy. *J Clin Invest* 130:4266-4281, 2020.
- Suh E, Stratton KL, Leisenring WM, Nathan PC, Ford JS, Freyer DR, McNeer JL, Stock W, Stovall M, Krull KR, Sklar CA, Neglia JP, Armstrong GT, Oeffinger KC, Robison LL, Henderson TO.** Late mortality and chronic health conditions in long-term survivors of early-adolescent and young adult cancers: A retrospective cohort analysis from the Childhood Cancer Survivor Study. *Lancet Oncol* 21:421-435, 2020.
- Suiter CC, Moriyama T, Matreyek KA, Yang W, Scaletti ER, Nishii R, Yang W, Hoshitsuki K, Singh M, Trehan A, Parish C, Smith C, Li L, Bhojwani D, Yuen LYP, Li CK, Li CH, Yang YL, Walker GJ, Goodhand JR, Kennedy NA, Klussmann FA, Bhatia S, Relling MV, Kato M, Hori H, Bhatia P, Ahmad T, Yeoh AEJ, Stenmark P, Fowler DM, Yang JJ.** Massively parallel variant characterization identifies NUDT15 alleles associated with thiopurine toxicity. *Proc Natl Acad Sci U S A* 117:5394-5401, 2020.
- Sullivan CE, Challinor J, Pergert P, Afungchwi GM, Downing J, Morrissey L, Adde MA, Punjwani R, Ilbawi A, Hollis R.**

Strengthening the global nursing workforce for childhood cancer.  
*Lancet Oncol* 21:1550-1552, 2020.

**Sullivan CE, Hans M, Yakimkova T, Ehrlich B, Mishkova V, Agulnik A.** Survey identifies need for subspecialized pediatric hematology/oncology nursing education in nine Eurasian countries.  
*Rus J Pediatr Hematol Oncol* 7:138-144, 2020.

**Sullivan CE, Morrissey L, Day SW, Chen Y, Shirey M, Landier W.** Predictors of hospitals' nonachievement of baseline nursing standards for pediatric oncology.  
*Cancer Nurs* 43:E197-E206, 2020.

**Sullivan M, Bouffet E, Rodriguez-Galindo C, Luna-Fineman S, Khan MS, Kearns P, Hawkins DS, Challinor J, Morrissey L, Fuchs J, Marcus K, Balduzzi A, Basset-Salom L, Caniza M, Baker JN, Kebudi R, Hessissen L, Sullivan R, Pritchard-Jones K.** The COVID-19 pandemic: A rapid global response for children with cancer from SIOP, COG, SIOP-E, SIOP-PODC, IPSO, PROS, CCI, and St Jude Global.  
*Pediatr Blood Cancer* 67:e28409, 2020.

**Sun J.** Structures of mouse DUOX1-DUOX1 provide mechanistic insights into enzyme activation and regulation.  
*Nat Struct Mol Biol* 27:1086-1093, 2020.

**Sun LR, Linds A, Sharma M, Rafay M, Vadivelu S, Lee S, Brandão LR, Appavu B, Estep JH, Hukin J, Hassanein SMA, Chan A, Beslow LA, International Pediatric Stroke Study Group.** Cancer and tumor-associated childhood stroke: Results from the International Pediatric Stroke Study.  
*Pediatr Neurol* 111:59-65, 2020.

**Surakhy M, Wallace M, Bond E, Grochola LF, Perez H, Di Giovannantonio M, Zhang P, Malkin D, Carter H, Parise IZS, Zambetti G, Komechen H, Paraizo MM, Pagadala MS, Pinto EM, Lalli E, Figueiredo BC, Bond GL.** A common polymorphism in the retinoic acid pathway modifies adrenocortical carcinoma age-dependent incidence.  
*Br J Cancer* 122:1231-1241, 2020.

**Surman SL, Penkert RR, Sealy RE, Jones BG, Marion TN, Vogel P, Hurwitz JL.** Consequences of vitamin A deficiency: Immunoglobulin dysregulation, squamous cell metaplasia, infectious disease, and death.  
*Int J Mol Sci* 21:5570, 2020.

**Swanson HD, Panetta JC, Barker PJ, Liu Y, Inaba H, Relling MV, Pui CH, Karol SE.** Predicting success of desensitization after pegaspargase allergy.  
*Blood* 135:71-75, 2020.

**Syal K.** COVID-19: Herd immunity and convalescent plasma transfer therapy.  
*J Med Virol* 92:1380-1382, 2020.

**Talleur AC, Flerlage JE, Shook DR, Chilsen AM, Hudson MM, Cheng C, Huang S, Triplett BM.** Autologous hematopoietic cell transplantation for the treatment of relapsed/refractory pediatric, adolescent, and young adult Hodgkin lymphoma: A single institutional experience.  
*Bone Marrow Transplant* 55:1357-1366, 2020.

**Talleur AC, Maude SL.** What is the role for HSCT or immunotherapy in pediatric hypodiploid B-cell acute lymphoblastic leukemia?  
*Hematology Am Soc Hematol Educ Program* 2020:508-511, 2020.

**Tanner L, Keppner K, Lesmeister D, Lyons K, Rock K, Sparrow J.** Cancer rehabilitation in the pediatric and adolescent/young adult population.  
*Semin Oncol Nurs* 36:150984, 2020.

**Tannock GA, Kim H, Xue L.** Why are vaccines against many human viral diseases still unavailable; An historic perspective?  
*J Med Virol* 92:129-138, 2020.

**Tao T, Shi H, Mariani L, Abraham BJ, Durbin AD, Zimmerman MW, Powers JT, Missios P, Ross KN, Perez-Atayde AR, Bulyk ML, Young RA, Daley GQ, Look AT.** LIN28B regulates transcription and potentiates MYCN-induced neuroblastoma through binding to ZNF143 at target gene promoters.  
*Proc Natl Acad Sci U S A* 117:16516-16526, 2020.

**Tartey S, Kanneganti TD.** Inflammasomes in the pathophysiology of autoinflammatory syndromes.

**Tay J, Beattie S, Bredeson C, Brazauskas R, He N, Ahmed IA, Aljurf M, Askar M, Atsuta Y, Badawy S, Barata A, Beitinjaneh AM, Bhatt NS, Buchbinder D, Cerny J, Ciurea S, D'Souza A, Dalal J, Farhadfar N, Freytes CO, Ganguly S, Gergis U, Gerull S, Lazarus HM, Hahn T, Hong S, Inamoto Y, Khera N, Kindwall-Keller T, Kamble RT, Knight JM, Koleva YN, Kumar A, Kwok J, Murthy HS, Olsson RF, Angel Diaz-Perez M, Rizzieri D, Seo S, Chhabra S, Schoemans H, Schouten HC, Steinberg A, Sullivan KM, Szer J, Szwajcer D, Ulrickson ML, Verdonck LF, Wirk B, Wood WA, Yared JA, Saber W.** Pre-transplant marital status and hematopoietic cell transplantation outcomes.

*Curr Oncol* 27:e596-e606, 2020.

**Theken KN, Lee CR, Gong L, Caudle KE, Formea CM, Gaedigk A, Klein TE, Agundez JAG, Grosser T.** Clinical Pharmacogenetics Implementation Consortium (CPIC) guideline for CYP2C9 and nonsteroidal anti-inflammatory drugs.

*Clin Pharmacol Ther* 108:191-200, 2020.

**Thiem K, Hoeke G, Zhou E, Hijmans A, Houben T, Boels MG, Mol IM, Lutgens E, Shiri-Sverdlov R, Bussink J, Kanneganti TD, Boon MR, Stienstra R, Tack CJ, Rensen PC, Netea MG, Berbee JF, van Diepen JA.** Deletion of haematopoietic Dectin-2 or CARD9 does not protect from atherosclerosis development under hyperglycaemic conditions.

*Diab Vasc Dis Res* 17:1479164119892140, 2020.

**Thomas A, Samykutty A, Gomez-Gutierrez JG, Yin W, Egger ME, McNally M, Chuong P, MacCuaig WM, Albeituni S, Zeiderman M, Li M, Edil BH, Grizzle WE, McMasters KM, McNally LR.** Actively targeted nanodelivery of echinomycin induces autophagy-mediated death in chemoresistant pancreatic cancer in vivo.

*Cancers (Basel)* 12:2279, 2020.

**Thomas L, Gross N, Thompson S, McNall-Knapp R, Ellison D, Chiang J, Peterson JE, Fung KM, Bavle A.** A 4-year-old girl with a supratentorial mass.

*Brain Pathol* 30:421-422, 2020.

**Thomas PG, Shubina M, Balachandran S.** ZBP1/DAI-dependent cell death pathways in influenza A virus immunity and pathogenesis.

*Curr Top Microbiol Immunol*, 2020.

**Thome CH, Ferreira GA, Pereira-Martins DA, Dos Santos GA, Ortiz CA, de Souza LEB, Sobral LM, Silva CLA, Scheucher PS, Gil CD, Leopoldino AM, Silveira DRA, Coelho-Silva JL, Traina F, Koury LC, Melo RAM, Bittencourt R, Pagnano K, Pasquini R, Nunes EC, Fagundes EM, Gloria ABF, Kerbauy FR, Chauffaille ML, Keating A, Tallman MS, Ribeiro RC, Dillon R, Ganser A, Lowenberg B, Valk P, Lo-Coco F, Sanz MA, Berliner N, Faca VM, Rego EM.** NTAL is associated with treatment outcome, cell proliferation and differentiation in acute promyelocytic leukemia.

*Sci Rep* 10:10315, 2020.

**Tian L, Li Y, Edmonson MN, Zhou X, Newman S, McLeod C, Thrasher A, Liu Y, Tang B, Rusch MC, Easton J, Ma J, Davis E, Trull A, Michael JR, Szlachta K, Mullighan C, Baker SJ, Downing JR, Ellison DW, Zhang J.** CICERO: A versatile method for detecting complex and diverse driver fusions using cancer RNA sequencing data.

*Genome Biol* 21:126, 2020.

**Tichy EM, Schumock GT, Hoffman JM, Suda KJ, Rim MH, Tadrous M, Stubbings J, Cuellar S, Clark JS, Wiest MD, Matusiak LM, Hunkler RJ, Vermeulen LC.** National trends in prescription drug expenditures and projections for 2020.

*Am J Health Syst Pharm* 77:1213-1230, 2020.

**Tillery R, Willard VW, Howard Sharp KM, Klages KL, Long AM, Phipps S.** Impact of the parent-child relationship on psychological and social resilience in pediatric cancer patients.

*Psychooncology* 29:339-346, 2020.

**Tillman H, Janke LJ, Funk A, Vogel P, Rehg JE.** Morphologic and immunohistochemical characterization of spontaneous lymphoma/leukemia in NSG mice.

*Vet Pathol* 57:160-171, 2020.

**Tillman H, Vogel P, Rogers T, Akers W, Rehg JE.** Spectrum of posttransplant lymphoproliferations in NSG mice and their association with EBV infection after engraftment of pediatric solid tumors.

*Vet Pathol* 57:445-456, 2020.

**Tinkle CL, Campbell K, Han Y, Li Y, Bianski B, Broniscer A, Khan RB, Merchant TE.** Radiation dose response of neurologic symptoms during conformal radiotherapy for diffuse intrinsic pontine glioma.

*J Neurooncol* 147:195-203, 2020.



**Tinkle CL, Pappo A, Wu J, Mao S, Hua CH, Shulkin BL, McCarville MB, Kaste SC, Davidoff AM, Bahrami A, Green DM, Ness KK, Merchant TE, Spunt SL, Krasin MJ.** Efficacy and safety of limited-margin conformal radiation therapy for pediatric rhabdomyosarcoma: Long-term results of a phase 2 study.

*Int J Radiat Oncol Biol Phys* 107:172-180, 2020.

**Tinkle CL, Simone B, Chiang J, Li X, Campbell K, Han Y, Li Y, Hover LD, Molitoris JK, Becksfort J, Lucas JT Jr, Patay Z, Baker SJ, Broniscer A, Merchant TE.** Defining optimal target volumes of conformal radiation therapy for diffuse intrinsic pontine glioma.

*Int J Radiat Oncol Biol Phys* 106:838-847, 2020.

**Tomar AS, Finger PT, Gallie B, Mallapatna A, Kivela TT, Zhang C, Zhao J, Wilson MW, Brennan RC, Burges M, Kim J, Khetan V, Ganesan S, Yarovoy A, Yarovaya V, Kotova E, Yousef YA, Nummi K, Ushakova TL, Yugay OV, Polyakov VG, Ramirez-Ortiz MA, Esparza-Aguiar E, Chantada G, Schaiquevich P, Fandino A, Yam JC, Lau WW, Lam CP, Sharwood P, Moorthy S, Long QB, Essuman VA, Renner LA, Semenova E, Catala J, Correa-Llano G, Carreras-Bertran E.** A multicenter, international collaborative study for American Joint Committee on Cancer staging of retinoblastoma: Part II: Treatment success and globe salvage.

*Ophthalmology* 127:1733-1746, 2020.

**Tomar AS, Finger PT, Gallie B, Mallapatna A, Kivela TT, Zhang C, Zhao J, Wilson MW, Kim J, Khetan V, Ganesan S, Yarovoy A, Yarovaya V, Kotova E, Yousef YA, Nummi K, Ushakova TL, Yugay OV, Polyakov VG, Ramirez-Ortiz MA, Esparza-Aguiar E, Chantada G, Schaiquevich P, Fandino A, Yam JC, Lau WW, Lam CP, Sharwood P, Moorthy S, Long QB, Essuman VA, Renner LA, Catala J, Correa-Llano G.** A multicenter, international collaborative study for American Joint Committee on Cancer staging of retinoblastoma: Part I: Metastasis-associated mortality.

*Ophthalmology* 127:1719-1732, 2020.

**Tonning Olsson I, Brinkman TM, Wang M, Ehrhardt MJ, Banerjee P, Mulrooney DA, Huang IC, Ness KK, Bishop MW, Srivastava D, Robison LL, Hudson MM, Krull KR.** Neurocognitive and psychosocial outcomes in adult survivors of childhood soft-tissue sarcoma: A report from the St. Jude Lifetime Cohort.

*Cancer* 126:1576-1584, 2020.

**Tonning Olsson I, Lubas MM, Li C, Mandrell BN, Banerjee P, Howell CR, Ness KK, Srivastava D, Robison LL, Hudson MM, Krull KR, Brinkman TM.** Insomnia and neurocognitive functioning in adult survivors of childhood cancer.

*JNCI Cancer Spectr* 4:pkaa008, 2020.

**Towbin JA.** Pediatric primary dilated cardiomyopathy gene testing and variant reclassification: Does it matter?

*J Am Heart Assoc* 9:e016910, 2020.

**Towbin JA, Beasley G.** Left ventricular noncompaction and vigorous physical activity: What is the connection?

*J Am Coll Cardiol* 76:1734-1736, 2020.

**Tuladhar S, Kanneganti TD.** NLRP12 in innate immunity and inflammation.

*Mol Aspects Med* 76:100887, 2020.

**Tulstrup M, Moriyama T, Jiang C, Grosjean M, Nersting J, Abrahamsson J, Grell K, Lyngsie Hjalgrim L, Jonsson OG, Kanerva J, Lund B, Nielsen SN, Nielsen RL, Overgaard U, Quist-Paulsen P, Pruunsild K, Vaitkeviciene G, Wolthers BO, Zhang H, Gupta R, Yang JJ, Schmiegelow K.** Effects of germline variants in DHFR and FPGS on methotrexate metabolism and relapse of leukemia.

*Blood* 136:1161-1168, 2020.

**Tummers B, Mari L, Guy CS, Heckmann BL, Rodriguez DA, Ruhl S, Moretti J, Crawford JC, Fitzgerald P, Kanneganti TD, Janke LJ, Pelletier S, Blander JM, Green DR.** Caspase-8-dependent inflammatory responses are controlled by its adaptor, FADD, and necroptosis.

*Immunity* 52:994-1006.e8, 2020.

**Tuomanen EI.** Perspective of a pediatrician: Shared pathogenesis of the three most successful pathogens of children.

*Front Cell Infect Microbiol* 10:585791, 2020.

**Tutor JD.** Dysphagia and chronic pulmonary aspiration in children.

*Pediatr Rev* 41:236-244, 2020.

**Tutor JD, Miller SF, Al Zubeidi H, Sheyn A, Zhang J, Williams R, McGee RB.** Lung cyst and multinodular thyroid goiter: Keys to DICER1 syndrome diagnosis in a 16-year-old female.

*Clin Case Rep* 8:2373-2376, 2020.

**Twarog NR, Connelly M, Shelat AA.** A critical evaluation of methods to interpret drug combinations. *Sci Rep* 10:5144, 2020.

**Tweedell RE, Kanneganti TD.** Advances in inflammasome research: Recent breakthroughs and future hurdles. *Trends Mol Med* 26:969-971, 2020.

**Tweedell RE, Malireddi RKS, Kanneganti TD.** A comprehensive guide to studying inflammasome activation and cell death. *Nat Protoc* 15:3284-3333, 2020.

**Uchida N, Leonard A, Stroncek D, Panch SR, West K, Molloy E, Hughes TE, Hauffe S, Taylor T, Fitzhugh C, Hankins JS, Wilson M, Sharma A, Tsai SQ, Weiss MJ, Hsieh M, Tisdale JF.** Safe and efficient peripheral blood stem cell collection in patients with sickle cell disease using plerixafor. *Haematologica* 105:e497, 2020.

**Ullman AJ, Bernstein SJ, Brown E, Aiyagari R, Doellman D, Faustino EVS, Gore B, Jacobs JP, Jaffray J, Kleidon T, Mahajan PV, McBride CA, Morton K, Pitts S, Prentice E, Rivard DC, Shaughnessy E, Stranz M, Wolf J, Cooper DS, Cooke M, Rickard CM, Chopra V.** The Michigan appropriateness guide for intravenous catheters in pediatrics: miniMAGIC. *Pediatrics* 145:S269-S284, 2020.

**Upadhyaya SA.** Relevance of the type and timing of radiation therapy to the outcomes reported in the ACNS0333 trial for atypical teratoid/rhabdoid tumors. *J Clin Oncol* 38:3352, 2020.

**Vajapeyam S, Brown D, Billups C, Patay Z, Vezina G, Shiroishi MS, Law M, Baxter P, Onar-Thomas A, Fangusaro JR, Dunkel IJ, Poussaint TY.** Advanced ADC histogram, perfusion, and permeability metrics show an association with survival and pseudoprogression in newly diagnosed diffuse intrinsic pontine glioma: A report from the Pediatric Brain Tumor Consortium. *AJNR Am J Neuroradiol* 41:718-724, 2020.

**van de Velde ME, Panetta JC, Wilhelm AJ, van den Berg MH, van der Sluis IM, van den Bos C, Abbink FCH, van den Heuvel-Eibrink MM, Segers H, Chantrain C, van der Werff Ten Bosch J, Willems L, Evans WE, Kaspers GL.** Population pharmacokinetics of vincristine related to infusion duration and peripheral neuropathy in pediatric oncology patients. *Cancers (Basel)* 12:1789, 2020.

**Van De Vlekkert D, Machado E, d'Azzo A.** Analysis of generalized fibrosis in mouse tissue sections with Masson's trichrome staining. *Bio Protoc* 10:e3629, 2020.

**Van De Vlekkert D, Qui X, Annunziata I, d'Azzo A.** Isolation and characterization of exosomes from skeletal muscle fibroblasts. *J Vis Exp* e61127, 2020.

**Van De Vlekkert D, Qiu X, Annunziata I, d'Azzo A.** Isolation, purification and characterization of exosomes from fibroblast cultures of skeletal muscle. *Bio Protoc* 10:e3576, 2020.

**van Iersel L, van Santen HM, Potter B, Li Z, Conklin HM, Zhang H, Chemaitilly W, Merchant TE.** Clinical impact of hypothalamic-pituitary disorders after conformal radiation therapy for pediatric low-grade glioma or ependymoma. *Pediatr Blood Cancer* 67:e28723, 2020.

**van Mersbergen M, Payne AE.** Cognitive, emotional, and social influences on voice production elicited by three different Stroop tasks. *Folia Phoniatr Logop* 73:1-9, 2020.

**van Ommen CH, Albisetti M, Chan AK, Estep J, Jaffray J, Kenet G, Young G, Dave J, Grosso MA, Duggal A.** The Edoxaban Hokusai VTE PEDIATRICS Study: An open-label, multicenter, randomized study of edoxaban for pediatric venous thromboembolic disease. *Res Pract Thromb Haemost* 4:886-892, 2020.

**van Santen HM, Chemaitilly W, Meacham LR, Tonorezos ES, Mostoufi-Moab S.** Endocrine health in childhood cancer survivors. *Pediatr Clin North Am* 67:1171-1186, 2020.

**Vasudevan SA, Ha TN, Zhu H, Heaton TE, LaQuaglia MP, Murphy JT, Barry WE, Goodhue C, Kim ES, Aldrink JH, Polites SF, Leraas HJ, Rice HE, Tracy ET, Lautz TB, Superina RA, Davidoff AM, Langham MR Jr, Murphy AJ, Bütter A,**

**Davidson J, Glick RD, Grijalva J, Gow KW, Ehrlich PF, Newman EA, Lal DR, Malek MM, Le-Nguyen A, Piché N, Rothstein DH, Short SS, Meyers R, Dasgupta R.** Pancreaticoduodenectomy for the treatment of pancreatic neoplasms in children: A Pediatric Surgical Oncology Research Collaborative study.

*Pediatr Blood Cancer* 67:e28425, 2020.

**Vazquez-Pagan A, Honce R, Schultz-Cherry S.** Impact of influenza virus during pregnancy: From disease severity to vaccine efficacy.

*Future Virol* 15:441-453, 2020.

**Veerapandiyam A, Connolly AM, Finkel RS, Arya K, Mathews KD, Smith EC, Castro D, Butterfield RJ, Parsons JA, Servais L, Kuntz N, Rao VK, Brandsema JF, Mercuri E, Ciafaloni E.** Spinal muscular atrophy care in the COVID-19 pandemic era.

*Muscle Nerve* 62:46-49, 2020.

**Verbruggen LC, Hudson MM, Bowers DC, Ronckers CM, Armstrong GT, Skinner R, Hoving EW, Janssens GO, van der Pal HJH, Kremer LCM, Mulder RL.** Variations in screening and management practices for subsequent asymptomatic meningiomas in childhood, adolescent and young adult cancer survivors.

*J Neurooncol* 147:417-425, 2020.

**Verbruggen LC, Wang Y, Armenian SH, Ehrhardt MJ, van der Pal HJH, van Dalen EC, van As JW, Bardi E, Baust K, Berger C, Castagnola E, Devine KA, Gebauer J, Marchak JG, Glaser AW, Groll AH, Haeusler GM, den Hartogh J, Haupt R, Hjorth L, Kato M, Kepák T, Koopman MMWR, Langer T, Maeda M, Michel G, Muraca M, Nathan PC, van den Oever SR, Pavasovic V, Sato S, Schulte F, Sung L, Tissing W, Uyttebroeck A, Mulder RL, Kuehni C, Skinner R, Hudson MM, Kremer LCM.** Guidance regarding COVID-19 for survivors of childhood, adolescent, and young adult cancer: A statement from the International Late Effects of Childhood Cancer Guideline Harmonization Group.

*Pediatr Blood Cancer* 67:e28702, 2020.

**Vermeulen LC, Swarthout MD, Alexander GC, Ginsburg DB, Pritchett KO, White SJ, Tryon J, Emmerich C, Nesbit TW, Greene W, Fox ER, Conti RM, Scott BE, Sheehy F, Melby MJ, Lantzy MA, Hoffman JM, Knoer S, Zellmer WA.** ASHP Foundation Pharmacy Forecast 2020: Strategic planning advice for pharmacy departments in hospitals and health systems.

*Am J Health Syst Pharm* 77:84-112, 2020.

**Verweyen E, Holzinger D, Weinlage T, Hinze C, Wittkowski H, Pickkers P, Albeituni S, Verbist K, Nichols KE, Schulert G, Grom A, Foell D, Kessel C.** Synergistic signaling of TLR and IFN $\alpha/\beta$  facilitates escape of IL-18 expression from endotoxin tolerance.

*Am J Respir Crit Care Med* 201:526-539, 2020.

**Villalobos-Ortiz M, Ryan J, Mashaka TN, Opferman JT, Letai A.** BH3 profiling discriminates on-target small molecule BH3 mimetics from putative mimetics.

*Cell Death Differ* 27:999-1007, 2020.

**Viola AS, Levonyan-Radloff K, Drachtman R, Porter J, Savage B, Kaveney A, Sridharan A, Delnevo CD, Coups EJ, Devine KA.** Understanding barriers to transition from pediatric to adult care among young adults with sickle cell disease to develop a transition mentor program.

*Clin Pract Pediatr Psychol* 9:68-81, 2020.

**Wagner J, Wickman E, DeRenzo C, Gottschalk S.** CAR T cell therapy for solid tumors: Bright future or dark reality?

*Mol Ther* 28:2320-2339, 2020.

**Wallace D, Taylor DR, Pan H, Hwang S, Lucas JT Jr, Klimo P Jr, Upadhyaya SA, Boop FA.** Treatment-related calvarial lesions in pediatric brain tumor survivors.

*Pediatr Blood Cancer* 67:e28189, 2020.

**Wallace MJ, Dharuman S, Fernando DM, Reeve SM, Gee CT, Yao J, Griffith EC, Phelps GA, Wright WC, Elmore JM, Lee RB, Chen T, Lee RE.** Discovery and characterization of the antimetabolite action of thioacetamide-linked 1,2,3-triazoles as disruptors of cysteine biosynthesis in gram-negative bacteria.

*ACS Infect Dis* 6:467-478, 2020.

**Wan S, Kim J, Won KJ.** SHARP: Hyperfast and accurate processing of single-cell RNA-seq data via ensemble random projection.

*Genome Res* 30:205-213, 2020.

**Wan XF, Ferguson L, Oliva J, Rubrum A, Eckard L, Zhang X, Woolums AR, Lion A, Meyer G, Murakami S, Ma W, Horimoto T, Webby R, Ducatez MF, Epperson W.** Limited cross-protection provided by prior infection contributes to high prevalence of influenza D viruses in cattle.

*J Virol* 94:e00240-20, 2020.

Wandler AM, Huang BJ, Craig JW, Hayes K, Yan H, Meyer LK, Scacchetti A, Monsalve G, Dail M, Li Q, Wong JC, Weinberg O, Hasserjian RP, Kogan SC, Jonsson P, Yamamoto K, Sampath D, Nakitandwe J, Downing JR, Zhang J, Aster JC, Taylor BS, Shannon K. Loss of glucocorticoid receptor expression mediates in vivo dexamethasone resistance in T-cell acute lymphoblastic leukemia.  
*Leukemia* 34:2025-2037, 2020.

Wang B, Stanford KR, Kundu M. ER-to-Golgi trafficking and its implication in neurological diseases.  
*Cells* 9:408, 2020.

Wang H, Dey KK, Chen PC, Li Y, Niu M, Cho JH, Wang X, Bai B, Jiao Y, Chepyala SR, Haroutunian V, Zhang B, Beach TG, Peng J. Integrated analysis of ultra-deep proteomes in cortex, cerebrospinal fluid and serum reveals a mitochondrial signature in Alzheimer's disease.  
*Mol Neurodegener* 15:43, 2020.

Wang J, Bwayi M, Gee RRF, Chen T. PXR-mediated idiosyncratic drug-induced liver injury: Mechanistic insights and targeting approaches.  
*Expert Opin Drug Metab Toxicol* 16:711-722, 2020.

Wang T, Gnanaprakasam JNR, Chen X, Kang S, Xu X, Sun H, Liu L, Rodgers H, Miller E, Cassel TA, Sun Q, Vicente-Muñoz S, Warmoes MO, Lin P, Piedra-Quintero ZL, Guerau-de-Arellano M, Cassady KA, Zheng SG, Yang J, Lane AN, Song X, Fan TW, Wang R. Inosine is an alternative carbon source for CD8(+)-T-cell function under glucose restriction.  
*Nat Metab* 2:635-647, 2020.

Wang X, Cho JH, Poudel S, Li Y, Jones DR, Shaw TI, Tan H, Xie B, Peng J. JUMPm: A tool for large-scale identification of metabolites in untargeted metabolomics.  
*Metabolites* 10:190, 2020.

Wang Z, Kavdia K, Dey KK, Pagala VR, Kodali K, Liu D, Lee DG, Sun H, Chepyala SR, Cho JH, Niu M, High AA, Peng J. High-throughput and deep-proteome profiling by 16-plex tandem mass tag labeling coupled with two-dimensional chromatography and mass spectrometry.  
*J Vis Exp* 10.3791/61684, 2020.

Wang Z, Rice SV, Chang TC, Liu Y, Liu Q, Qin N, Putnam DK, Shelton K, Lanctot JQ, Wilson CL, Ness KK, Rusch MC, Edmonson MN, Wu G, Easton J, Kesserwan CA, Downing JR, Chen X, Nichols KE, Yasui Y, Robison LL, Zhang J. Molecular mechanism of telomere length dynamics and its prognostic value in pediatric cancers.  
*J Natl Cancer Inst* 112:756-764, 2020.

Wang Z, Yu K, Tan H, Wu Z, Cho JH, Han X, Sun H, Beach TG, Peng J. 27-Plex tandem mass tag mass spectrometry for profiling brain proteome in Alzheimer's disease.  
*Anal Chem* 92:7162-7170, 2020.

Waszak SM, Robinson GW, Gudenas BL, Smith KS, Forget A, Kojic M, Garcia-Lopez J, Hadley J, Hamilton KV, Indersie E, Buchhalter I, Kerssemakers J, Jager N, Sharma T, Rausch T, Kool M, Sturm D, Jones DTW, Vasilyeva A, Tatevossian RG, Neale G, Lombard B, Loew D, Nakitandwe J, Rusch M, Bowers DC, Bendel A, Partap S, Chintagumpala M, Crawford J, Gottardo NG, Smith A, Dufour C, Rutkowski S, Eggen T, Wesenberg F, Kjaerheim K, Feychting M, Lannering B, Schuz J, Johansen C, Andersen TV, Roosli M, Kuehni CE, Grotzer M, Remke M, Puget S, Pajtler KW, Milde T, Witt O, Ryzhova M, Korshunov A, Orr BA, Ellison DW, Brugieres L, Lichter P, Nichols KE, Gajjar A, Wainwright BJ, Ayrault O, Korbel JO, Northcott PA, Pfister SM. Germline Elongator mutations in Sonic Hedgehog medulloblastoma.  
*Nature* 580:396-401, 2020.

Wefers AK, Stichel D, Schrimpf D, Coras R, Pages M, Tauziède-Espariat A, Varlet P, Schwarz D, Soylemezoglu F, Pohl U, Pimentel J, Meyer J, Hewer E, Japp A, Joshi A, Reuss DE, Reinhardt A, Sievers P, Casalini MB, Ebrahimi A, Huang K, Koelsche C, Low HL, Rebelo O, Marnoto D, Becker AJ, Staszewski O, Mittelbronn M, Hasselblatt M, Schittenhelm J, Cheesman E, de Oliveira RS, Queiroz RGP, Valera ET, Hans VH, Korshunov A, Olar A, Ligon KL, Pfister SM, Jaunmuktane Z, Brandner S, Tatevossian RG, Ellison DW, Jacques TS, Honavar M, Aronica E, Thom M, Sahm F, von Deimling A, Jones DTW, Blumcke I, Capper D. Isomorphic diffuse glioma is a morphologically and molecularly distinct tumour entity with recurrent gene fusions of MYBL1 or MYB and a benign disease course.  
*Acta Neuropathol* 139:193-209, 2020.

Weinhäuser I, Pereira-Martins DA, Ortiz C, Silveira DR, Simões LAA, Bianco TM, Araujo CL, Koury LC, Melo RAM, Bittencourt RI, Pagnano K, Pasquini R, Nunes EC, Fagundes EM, Gloria AB, Kerbauy F, Chauffaille ML, Keating A, Tallman MS, Ribeiro RC, Dillon R, Ganser A, Löwenberg B, Valk P, Lo-Coco F, Sanz MA, Berliner N, Ammatuna E, Lucena-Araujo AR, Schuringa JJ, Rego EM. Reduced SLIT2 is associated with increased cell proliferation and arsenic trioxide

resistance in acute promyelocytic leukemia.  
*Cancers (Basel)* 12:3134, 2020.

**Weinmann AS, Youngblood BA, Smale ST, Brink R, Schatz DG, McHeyzer-Williams M.** A future outlook on molecular mechanisms of immunity.  
*Trends Immunol* 41:549-555, 2020.

**Weiss AR, Chen YL, Scharschmidt TJ, Chi YY, Tian J, Black JO, Davis JL, Fanburg-Smith JC, Zambrano E, Anderson J, Arens R, Binitie O, Choy E, Davis JW, Hayes-Jordan A, Kao SC, Kayton ML, Kessel S, Lim R, Meyer WH, Million L, Okuno SH, Ostrenga A, Parisi MT, Pryma DA, Randall RL, Rosen MA, Schlapkohl M, Shulkin BL, Smith EA, Sorger JJ, Terezakis S, Hawkins DS, Spunt SL, Wang D.** Pathological response in children and adults with large unresected intermediate-grade or high-grade soft tissue sarcoma receiving preoperative chemoradiotherapy with or without pazopanib (ARST1321): a multicentre, randomised, open-label, phase 2 trial.  
*Lancet Oncol* 21:1110-1122, 2020.

**Weiss SL, Peters MJ, Alhazzani W, Agus MSD, Flori HR, Inwald DP, Nadel S, Schlapbach LJ, Tasker RC, Argent AC, Brierley J, Carcillo J, Carrol ED, Carroll CL, Cheifetz IM, Choong K, Cies JJ, Cruz AT, De Luca D, Deep A, Faust SN, De Oliveira CF, Hall MW, Ishimine P, Javouhey E, Joosten KFM, Joshi P, Karam O, Kneyber MCJ, Lemson J, MacLaren G, Mehta NM, Moller MH, Newth CJL, Nguyen TC, Nishisaki A, Nunnally ME, Parker MM, Paul RM, Randolph AG, Ranjit S, Romer LH, Scott HF, Tume LN, Verger JT, Williams EA, Wolf J, Wong HR, Zimmerman JJ, Kissoon N, Tissieres P.** Executive summary: Surviving Sepsis Campaign international guidelines for the management of septic shock and sepsis-associated organ dysfunction in children.  
*Intensive Care Med* 46:1-9, 2020.

**Weiss SL, Peters MJ, Alhazzani W, Agus MSD, Flori HR, Inwald DP, Nadel S, Schlapbach LJ, Tasker RC, Argent AC, Brierley J, Carcillo J, Carrol ED, Carroll CL, Cheifetz IM, Choong K, Cies JJ, Cruz AT, De Luca D, Deep A, Faust SN, De Oliveira CF, Hall MW, Ishimine P, Javouhey E, Joosten KFM, Joshi P, Karam O, Kneyber MCJ, Lemson J, MacLaren G, Mehta NM, Moller MH, Newth CJL, Nguyen TC, Nishisaki A, Nunnally ME, Parker MM, Paul RM, Randolph AG, Ranjit S, Romer LH, Scott HF, Tume LN, Verger JT, Williams EA, Wolf J, Wong HR, Zimmerman JJ, Kissoon N, Tissieres P.** Executive summary: Surviving Sepsis Campaign international guidelines for the management of septic shock and sepsis-associated organ dysfunction in children.  
*Pediatr Crit Care Med* 21:186-195, 2020.

**Weiss SL, Peters MJ, Alhazzani W, Agus MSD, Flori HR, Inwald DP, Nadel S, Schlapbach LJ, Tasker RC, Argent AC, Brierley J, Carcillo J, Carrol ED, Carroll CL, Cheifetz IM, Choong K, Cies JJ, Cruz AT, De Luca D, Deep A, Faust SN, De Oliveira CF, Hall MW, Ishimine P, Javouhey E, Joosten KFM, Joshi P, Karam O, Kneyber MCJ, Lemson J, MacLaren G, Mehta NM, Moller MH, Newth CJL, Nguyen TC, Nishisaki A, Nunnally ME, Parker MM, Paul RM, Randolph AG, Ranjit S, Romer LH, Scott HF, Tume LN, Verger JT, Williams EA, Wolf J, Wong HR, Zimmerman JJ, Kissoon N, Tissieres P.** Surviving Sepsis Campaign international guidelines for the management of septic shock and sepsis-associated organ dysfunction in children.  
*Intensive Care Med* 46:10-67, 2020.

**Weiss SL, Peters MJ, Alhazzani W, Agus MSD, Flori HR, Inwald DP, Nadel S, Schlapbach LJ, Tasker RC, Argent AC, Brierley J, Carcillo J, Carrol ED, Carroll CL, Cheifetz IM, Choong K, Cies JJ, Cruz AT, De Luca D, Deep A, Faust SN, De Oliveira CF, Hall MW, Ishimine P, Javouhey E, Joosten KFM, Joshi P, Karam O, Kneyber MCJ, Lemson J, MacLaren G, Mehta NM, Moller MH, Newth CJL, Nguyen TC, Nishisaki A, Nunnally ME, Parker MM, Paul RM, Randolph AG, Ranjit S, Romer LH, Scott HF, Tume LN, Verger JT, Williams EA, Wolf J, Wong HR, Zimmerman JJ, Kissoon N, Tissieres P.** Surviving Sepsis Campaign international guidelines for the management of septic shock and sepsis-associated organ dysfunction in children.  
*Pediatr Crit Care Med* 21:e52-e106, 2020.

**Whiteway SL, Betts AM, O'Neil ER, Green AL, Gilani A, Orr BA, Mathis DA.** Oncogenic GOPC-ROS1 fusion identified in a congenital glioblastoma case.  
*J Pediatr Hematol Oncol* 42:e813-e818, 2020.

**Wickenhauser ME, Khan RB, Raches D, Ashford JM, Robinson GW, Russell KM, Conklin HM.** Characterizing posterior fossa syndrome: A survey of experts.  
*Pediatr Neurol* 104:19-22, 2020.

**Wiemer-Kruel A, Mayer H, Ewert P, Martinoff S, Eckstein HH, Kriebel T, Bissler J, Franz D, Bast T.** Congenital lymphatic malformation and aortic aneurysm in a patient with TSC2 mutation.  
*Neuropediatrics* 51:57-61, 2020.

**Wijaya J, Gose T, Schuetz JD.** Using pharmacology to squeeze the life out of childhood leukemia, and potential strategies to achieve breakthroughs in medulloblastoma treatment.

*Pharmacol Rev* 72:668-691, 2020.

**Wijaya J, Vo BT, Liu J, Xu B, Wu G, Wang Y, Peng J, Zhang J, Janke LJ, Orr BA, Yu J, Roussel MF, Schuetz JD.** An ABC transporter drives medulloblastoma pathogenesis by regulating Sonic hedgehog signaling. *Cancer Res* 80:1524-1537, 2020.

**Wilfling F, Lee CW, Erdmann PS, Zheng Y, Sherpa D, Jentsch S, Pfander B, Schulman BA, Baumeister W.** A selective autophagy pathway for phase-separated endocytic protein deposits. *Mol Cell* 80:764-778.e7, 2020.

**Wilfond BS, Duenas DM, Johnson LM.** Conflicts of interest and recommendations for clinical treatments that benefit researchers. *Am J Bioeth* 20:90-91, 2020.

**Wilfond BS, Duenas DM, Johnson LM.** Greater than minimal risk, no direct benefit - Bridging drug trials and novel therapy in pediatric populations. *Am J Bioeth* 20:102-103, 2020.

**Willard VW, Tillery R, Gordon ML, Long A, Phipps S.** Profiles of perceived social functioning in adolescent and young adult survivors of childhood cancer. *Psychooncology* 29:1288-1295, 2020.

**Williams HE, Howell CR, Chemaitilly W, Wilson CL, Karol SE, Nolan VG, Smeltzer MP, Green DM, Ehrhardt MJ, Mulrooney DA, Pui CH, Hudson MM, Robison LL, Ness KK.** Diabetes mellitus among adult survivors of childhood acute lymphoblastic leukemia: A report from the St. Jude Lifetime Cohort Study. *Cancer* 126:870-878, 2020.

**Wilson CL, Brinkman TM, Cook C, Huang S, Hyun G, Green DM, Furman WL, Bhakta N, Ehrhardt MJ, Krasin MJ, Robison LL, Ness KK, Hudson MM.** Clinically ascertained health outcomes, quality of life, and social attainment among adult survivors of neuroblastoma: A report from the St. Jude Lifetime Cohort. *Cancer* 126:1330-1338, 2020.

**Wilson CL, Liu W, Chemaitilly W, Howell CR, Srivastava DK, Howell RM, Hudson MM, Robison LL, Ness KK.** Body composition, metabolic health, and functional impairment among adults treated for abdominal and pelvic tumors during childhood. *Cancer Epidemiol Biomarkers Prev* 29:1750-1758, 2020.

**Wilson CL, Wang Z, Liu Q, Ehrhardt MJ, Mostafavi R, Easton J, Mulder H, Hedges DJ, Wang S, Rusch M, Edmonson M, Levy S, Lanctot JQ, Currie K, Lear M, Patel A, Sapkota Y, Brooke RJ, Moon W, Chang TC, Chen W, Kesserwan CA, Wu G, Nichols KE, Hudson MM, Zhang J, Robison LL, Yasui Y.** Estimated number of adult survivors of childhood cancer in United States with cancer-predisposing germline variants. *Pediatr Blood Cancer* 67:e28047, 2020.

**Winick N, Martin PL, Devidas M, Shuster J, Borowitz MJ, Paul Bowman W, Larsen E, Pullen J, Carroll A, Willman C, Hunger SP, Carroll WL, Camitta BM.** Randomized assessment of delayed intensification and two methods for parenteral methotrexate delivery in childhood B-ALL: Children's Oncology Group Studies P9904 and P9905. *Leukemia* 34:1006-1016, 2020.

**Winneroski LL, Erickson JA, Green SJ, Lopez JE, Stout SL, Porter WJ, Timm DE, Audia JE, Barberis M, Beck JP, Boggs LN, Borders AR, Boyer RD, Brier RA, Hembre EJ, Hendle J, Garcia-Losada P, Minguiez JM, Mathes BM, May PC, Monk SA, Rankovic Z, Shi Y, Watson BM, Yang Z, Mergott DJ.** Preparation and biological evaluation of BACE1 inhibitors: Leveraging trans-cyclopropyl moieties as ligand efficient conformational constraints. *Bioorg Med Chem* 28:115194, 2020.

**Winning AM, Merandi J, Rausch JR, Liao N, Hoffman JM, Burlison JD, Gerhardt CA.** Validation of the Second Victim Experience and Support Tool-Revised in the neonatal intensive care unit. *J Patient Saf*, 2020.

**Winter AN, Subbarayan MS, Grimmig B, Weesner JA, Moss L, Peters M, Weeber E, Nash K, Bickford PC.** Two forms of CX3CL1 display differential activity and rescue cognitive deficits in CX3CL1 knockout mice. *J Neuroinflammation* 17:157, 2020.

**Witkowski MT, Dolgalev I, Evensen NA, Ma C, Chambers T, Roberts KG, Sreeram S, Dai Y, Tikhonova AN, Lasry A, Qu C, Pei D, Cheng C, Robbins GA, Pierro J, Selvaraj S, Mezzano V, Daves M, Lupo PJ, Scheurer ME, Loomis CA, Mullighan CG, Chen W, Rabin KR, Tsirigos A, Carroll WL, Aifantis I.** Extensive remodeling of the immune microenvironment in B cell acute lymphoblastic leukemia.

*Cancer Cell* 37:867-882.e12, 2020.

**Wolf J, Kalocsai K, Fortuny C, Lazar S, Bosis S, Korczowski B, Petit A, Bradford D, Croos-Dabrera R, Incera E, Melis J, van Maanen R.** Safety and efficacy of fidaxomicin and vancomycin in children and adolescents with *Clostridioides* (*Clostridium*) *difficile* infection: A phase 3, multicenter, randomized, single-blind clinical trial (SUNSHINE). *Clin Infect Dis* 71:2581-2588, 2020.

**Wolf J, Margolis E.** Effect of antimicrobial stewardship on outcomes in patients with cancer or undergoing hematopoietic stem cell transplantation. *Clin Infect Dis* 71:968-970, 2020.

**Wolf J, Milstone AM.** Vascular access in children to prevent and treat infectious diseases. *Pediatrics* 145:S290-S291, 2020.

**Won E, Gruber TA, Tucker S, Schiff DE.** Acute megakaryoblastic leukemia with trisomy 21 and tetrasomy 21 clones in a phenotypically normal child with mosaic trisomy 21. *Case Rep Pediatr* 2020:7813048, 2020.

**Wong JYY, Zhang H, Hsiung CA, Shiraishi K, Yu K, Matsuo K, Wong MP, Hong YC, Wang J, Seow WJ, Wang Z, Song M, Kim HN, Chang IS, Chatterjee N, Hu W, Wu C, Mitsudomi T, Zheng W, Kim JH, Seow A, Caporaso NE, Shin MH, Chung LP, An SJ, Wang P, Yang Y, Zheng H, Yatabe Y, Zhang XC, Kim YT, Cai Q, Yin Z, Kim YC, Bassig BA, Chang J, Ho JCM, Ji BT, Daigo Y, Ito H, Momozawa Y, Ashikawa K, Kamatani Y, Honda T, Hosgood HD, Sakamoto H, Kunitoh H, Tsuta K, Watanabe SI, Kubo M, Miyagi Y, Nakayama H, Matsumoto S, Tsuboi M, Goto K, Shi J, Song L, Hua X, Takahashi A, Goto A, Minamiya Y, Shimizu K, Tanaka K, Wei F, Matsuda F, Su J, Kim YH, Oh IJ, Song F, Su WC, Chen YM, Chang GC, Chen KY, Huang MS, Chien LH, Xiang YB, Park JY, Kweon SS, Chen CJ, Lee KM, Blechter B, Li H, Gao YT, Qian B, Lu D, Liu J, Jeon HS, Hsiao CF, Sung JS, Tsai YH, Jung YJ, Guo H, Hu Z, Wang WC, Chung CC, Burdett L, Yeager M, Hutchinson A, Berndt SI, Wu W, Pang H, Li Y, Choi JE, Park KH, Sung SW, Liu L, Kang CH, Zhu M, Chen CH, Yang TY, Xu J, Guan P, Tan W, Wang CL, Hsin M, Sit KY, Ho J, Chen Y, Choi YY, Hung JY, Kim JS, Yoon HI, Lin CC, Park IK, Xu P, Wang Y, He Q, Perng RP, Chen CY, Vermeulen R, Wu J, Lim WY, Chen KC, Li YJ, Li J, Chen H, Yu CJ, Jin L, Chen TY, Jiang SS, Liu J, Yamaji T, Hicks B, Wyatt K, Li SA, Dai J, Ma H, Jin G, Song B, Wang Z, Cheng S, Li X, Ren Y, Cui P, Iwasaki M, Shimazu T, Tsugane S, Zhu J, Chen Y, Yang K, Jiang G, Fei K, Wu G, Lin HC, Chen HL, Fang YH, Tsai FY, Hsieh WS, Yu J, Stevens VL, Laird-Offringa IA, Marconett CN, Rieswijk L, Chao A, Yang PC, Shu XO, Wu T, Wu YL, Lin D, Chen K, Zhou B, Huang YC, Kohno T, Shen H, Chanock SJ, Rothman N, Lan Q.** Tuberculosis infection and lung adenocarcinoma: Mendelian randomization and pathway analysis of genome-wide association study data from never-smoking Asian women. *Genomics* 112:1223-1232, 2020.

**Wong KK, Sedig LK, Bloom DA, Hutchinson RJ, Shulkin BL.** 18F-2-fluoro-2-deoxyglucose uptake in white adipose tissue on pediatric oncologic positron emission tomography (PET)/computed tomography (CT). *Pediatr Radiol* 50:524-533, 2020.

**Wong KO, Zaïane OR, Davis FG, Yasui Y.** A machine learning approach to predict ethnicity using personal name and census location in Canada. *PLoS One* 15:e0241239, 2020.

**Wong SS, Waite B, Ralston J, Wood T, Reynolds GE, Seeds R, Newbern EC, Thompson MG, Huang QS, Webby RJ.** Hemagglutinin and neuraminidase antibodies are induced in an age- and subtype- dependent manner after influenza virus infection. *J Virol* 94:e01385-19, 2020.

**Wright WC, Cheng J, Wang J, Girvan HM, Yang L, Chai SC, Huber AD, Wu J, Oladimeji PO, Munro AW, Chen T.** Clobetasol propionate is a heme-mediated selective inhibitor of human cytochrome P450 3A5. *J Med Chem* 63:1415-1433, 2020.

**Wu J, Li Y.** Group sequential design for historical control trials using error spending functions. *J Biopharm Stat* 30:351-363, 2020.

**Xia Y, Yuwen T, Rossi P.** Understanding and solving abnormal peak splitting in 3D HCCH-TOCSY and HCC(CO)NH-TOCSY. *J Biomol NMR* 74:213-221, 2020.

**Xiang G, Keller CA, Heuston EF, Giardine BM, An L, Wixom AQ, Miller A, Cockburn A, Sauria MEG, Weaver K, Lichtenberg J, Gottgens B, Li Q, Bodine D, Mahony S, Taylor J, Blobel GA, Weiss MJ, Cheng Y, Yue F, Hughes J, Higgs DR, Zhang Y, Hardison RC.** An integrative view of the regulatory and transcriptional landscapes in mouse hematopoiesis. *Genome Res* 30:472-484, 2020.

- Xie T, Saleh T, Rossi P, Kalodimos CG.** Conformational states dynamically populated by a kinase determine its function. *Science* 370:eabc2754, 2020.
- Xu B, Mulvey B, Salie M, Yang X, Matsui Y, Nityanandam A, Fan Y, Peng JC.** UTX/KDM6A suppresses AP-1 and a gliogenesis program during neural differentiation of human pluripotent stem cells. *Epigenetics Chromatin* 13:38, 2020.
- Xu F, Gao J, Munkhsaikhan U, Li N, Gu Q, Pierre JF, Starlard-Davenport A, Towbin JA, Cui Y, Purevjav E, Lu L.** The genetic dissection of Ace2 expression variation in the heart of murine genetic reference population. *Front Cardiovasc Med* 7:582949, 2020.
- Xu H, Zhao X, Bhojwani D, E S, Goodings C, Zhang H, Seibel NL, Yang W, Li C, Carroll WL, Evans WE, Yang JJ.** ARID5B influences antimetabolite drug sensitivity and prognosis of acute lymphoblastic leukemia. *Clin Cancer Res* 26:256-264, 2020.
- Xu J, Bandyopadhyay D, Salehabadi SM, Michalowicz B, Chakraborty B.** SMARTp: A SMART design for nonsurgical treatments of chronic periodontitis with spatially referenced and nonrandomly missing skewed outcomes. *Biom J* 62:282-310, 2020.
- Yadav P, Yan Y, Paliwal BR.** Radiotherapy treatment planning for prostate and nodes using variable planning ring. *J Radiother Pract* 19:399-402, 2020.
- Yamaji R, Saad MD, Davis CT, Swayne DE, Wang D, Wong FYK, McCauley JW, Peiris JSM, Webby RJ, Fouchier RAM, Kawaoka Y, Zhang W.** Pandemic potential of highly pathogenic avian influenza clade 2.3.4.4 A(H5) viruses. *Rev Med Virol* 30:e2099, 2020.
- Yan AP, Chen Y, Henderson TO, Oeffinger KC, Hudson MM, Gibson TM, Neglia JP, Leisenring WM, Ness KK, Ford JS, Robison LL, Armstrong GT, Yasui Y, Nathan PC.** Adherence to surveillance for second malignant neoplasms and cardiac dysfunction in childhood cancer survivors: A Childhood Cancer Survivor Study. *J Clin Oncol* 38:1771-1722, 2020.
- Yan C, Zhu M, Ding Y, Yang M, Wang M, Li G, Ren C, Huang T, Yang W, He B, Wang M, Yu F, Wang J, Zhang R, Wang T, Ni J, Chen J, Jiang Y, Dai J, Zhang E, Ma H, Wang Y, Xu D, Wang S, Chen Y, Xu Z, Zhou J, Ji G, Wang Z, Zhang Z, Hu Z, Wei Q, Shen H, Jin G.** Meta-analysis of genome-wide association studies and functional assays decipher susceptibility genes for gastric cancer in Chinese populations. *Gut* 69:641-651, 2020.
- Yan KK, Wang D, Xiong K, Gerstein M.** Comparing technological development and biological evolution from a network perspective. *Cell Syst* 10:219-222, 2020.
- Yang K, Chi H.** Autophagy modulates CD4(+) T-cell lineage recommitment upon pathogen infection. *Cell Mol Immunol* 17:682-683, 2020.
- Yang P, Mathieu C, Kolaitis RM, Zhang P, Messing J, Yurtsever U, Yang Z, Wu J, Li Y, Pan Q, Yu J, Martin EW, Mittag T, Kim HJ, Taylor JP.** G3BP1 is a tunable switch that triggers phase separation to assemble stress granules. *Cell* 181:325-345.e28, 2020.
- Yang SW, Huang X, Lin W, Min J, Miller DJ, Mayasundari A, Rodrigues P, Griffith EC, Gee CT, Li L, Li W, Lee RE, Rankovic Z, Chen T, Potts PR.** Structural basis for substrate recognition and chemical inhibition of oncogenic MAGE ubiquitin ligases. *Nat Commun* 11:4931, 2020.
- Yang SW, Li L, Connelly JP, Porter SN, Kodali K, Gan H, Park JM, Tacer KF, Tillman H, Peng J, Pruett-Miller SM, Li W, Potts PR.** A cancer-specific ubiquitin ligase drives mRNA alternative polyadenylation by ubiquitinating the mRNA 3' end processing complex. *Mol Cell* 77:1206-1221.e7, 2020.
- Yang X, Potts PR.** CSAG2 is a cancer-specific activator of SIRT1. *EMBO Rep* 21:e50912, 2020.
- Yanishevski D, McCarville MB, Doubrovin M, Spiegl HR, Zhao X, Lu Z, Federico SM, Furman WL, Murphy AJ, Davidoff AM.** Impact of MYCN status on response of high-risk neuroblastoma to neoadjuvant chemotherapy.



*J Pediatr Surg* 55:130-134, 2020.

**Ye C, Paccanaro A, Gerstein M, Yan KK.** The corrected gene proximity map for analyzing the 3D genome organization using Hi-C data.  
*BMC Bioinformatics* 21:222, 2020.

**Yeh JM, Lowry KP, Schechter CB, Diller LR, Alagoz O, Armstrong GT, Hampton JM, Leisenring W, Liu Q, Mandelblatt JS, Miglioretti DL, Moskowitz CS, Oeffinger KC, Trentham-Dietz A, Stout NK.** Clinical benefits, harms, and cost-effectiveness of breast cancer screening for survivors of childhood cancer treated with chest radiation: A comparative modeling study.  
*Ann Intern Med* 173:331-341, 2020.

**Yeh JM, Ward ZJ, Chaudhry A, Liu Q, Yasui Y, Armstrong GT, Gibson TM, Howell R, Hudson MM, Krull KR, Leisenring WM, Oeffinger KC, Diller L.** Life expectancy of adult survivors of childhood cancer over 3 decades.  
*JAMA Oncol* 6:350-357, 2020.

**Yen HJ, Eissa H, Bhatt NS, Huang S, Ehrhardt M, Bhakta N, Ness KK, Krull K, Srivastava DS, Robison LL, Hudson MM, Huang IC.** Patient-reported outcomes in survivors of childhood hematologic malignancies with hematopoietic stem cell transplant.  
*Blood* 135:1847-1858, 2020.

**Yip BH.** Recent advances in CRISPR/Cas9 delivery strategies.  
*Biomolecules* 10:839, 2020.

**Yoneoka D, Im C, Yasui Y.** Parallel repulsive logic regression with biological adjacency.  
*Biostatistics* 21:825-844, 2020.

**York JM, Klosky JL, Chen Y, Connelly JA, Wasilewski-Masker K, Giuliano AR, Robison LL, Wong FL, Hudson MM, Bhatia S, Landier W.** Patient-level factors associated with lack of health care provider recommendation for the human papillomavirus vaccine among young cancer survivors.  
*J Clin Oncol* 38:2892-2901, 2020.

**Yu SL, Zhang H, Ho BC, Yu CH, Chang CC, Hsu YC, Ni YL, Lin KH, Jou ST, Lu MY, Chen SH, Wu KH, Wang SC, Chang HH, Pui CH, Yang JJ, Zhang J, Lin DT, Lin SW, Ma X, Yang YL.** FPGS relapse-specific mutations in relapsed childhood acute lymphoblastic leukemia.  
*Sci Rep* 10:12074, 2020.

**Yu X, Nagai J, Marti-Solano M, Soto JS, Coppola G, Babu MM, Khakh BS.** Context-specific striatal astrocyte molecular responses are phenotypically exploitable.  
*Neuron* 108:1146-1162.e10, 2020.

**Yu Z, Yu Y, Wang F, Myasnikov AG, Coffino P, Cheng Y.** Allosteric coupling between alpha-rings of the 20S proteasome.  
*Nat Commun* 11:4580, 2020.

**Zadjali F, Kumar P, Yao Y, Johnson D, Astrinidis A, Vogel P, Gross KW, Bissler JJ.** Tuberous sclerosis complex axis controls renal extracellular vesicle production and protein content.  
*Int J Mol Sci* 21:1729, 2020.

**Zanin M, DeBeauchamp J, Vangala G, Webby RJ, Husain M.** Histone deacetylase 6 knockout mice exhibit higher susceptibility to influenza A virus infection.  
*Viruses* 12:728, 2020.

**Zebley CC, Gottschalk S, Youngblood B.** Rewriting history: Epigenetic reprogramming of CD8(+/-) T cell differentiation to enhance immunotherapy.  
*Trends Immunol* 41:665-675, 2020.

**Zeineldin M, Federico S, Chen X, Fan Y, Xu B, Stewart E, Zhou X, Jeon J, Griffiths L, Nguyen R, Norrie J, Easton J, Mulder H, Yergeau D, Liu Y, Wu J, Van Ryn C, Naranjo A, Hogarty MD, Kaminski MM, Valentine M, Pruett-Miller SM, Pappo A, Zhang J, Clay MR, Bahrami A, Vogel P, Lee S, Shelat A, Sarthy JF, Meers MP, George RE, Mardis ER, Wilson RK, Henikoff S, Downing JR, Dyer MA.** MYCN amplification and ATRX mutations are incompatible in neuroblastoma.  
*Nat Commun* 11:913, 2020.

**Zeng X, Holehouse AS, Chilkoti A, Mittag T, Pappu RV.** Connecting coil-to-globule transitions to full phase diagrams for intrinsically disordered proteins.  
*Biophys J* 119:402-418, 2020.

- Zhan J, Irudayam MJ, Nakamura Y, Kurita R, Nienhuis AW.** High level of fetal-globin reactivation by designed transcriptional activator-like effector.  
*Blood Adv* 4:687-695, 2020.
- Zhang H, Bi W, Cui Y, Chen H, Chen J, Zhao Y, Kang G.** Extreme-value sampling design is cost-beneficial only with a valid statistical approach for exposure-secondary outcome association analyses.  
*Stat Methods Med Res* 29:466-480, 2020.
- Zhang H, Zhang Y, Zhou X, Wright S, Hyle J, Zhao L, An J, Zhao X, Shao Y, Xu B, Lee HM, Chen T, Zhou Y, Chen X, Lu R, Li C.** Functional interrogation of HOXA9 regulome in MLLr leukemia via reporter-based CRISPR/Cas9 screen.  
*Elife* 9:e57858, 2020.
- Zhang J, Velmeshev D, Hashimoto K, Huang YH, Hofmann JW, Shi X, Chen J, Leidal AM, Dishart JG, Cahill MK, Kelley KW, Liddelow SA, Seeley WW, Miller BL, Walther TC, Farese RV Jr, Taylor JP, Ullian EM, Huang B, Debnath J, Wittmann T, Kriegstein AR, Huang EJ.** Neurotoxic microglia promote TDP-43 proteinopathy in progranulin deficiency.  
*Nature* 588:459-465, 2020.
- Zhang T, Yin C, Boyd DF, Quarato G, Ingram JP, Shubina M, Ragan KB, Ishizuka T, Crawford JC, Tummers B, Rodriguez DA, Xue J, Peri S, Kaiser WJ, López CB, Xu Y, Upton JW, Thomas PG, Green DR, Balachandran S.** Influenza virus Z-RNAs induce ZBP1-mediated necroptosis.  
*Cell* 180:1115-1129.e13, 2020.
- Zhang X, Zhang Z, Cao M, Liu B, Mori M, Luoh SW, Bergan R, Liu Y, Liu Y.** A randomized parallel controlled phase II trial of recombinant human endostatin added to neoadjuvant chemotherapy for stage III breast cancer.  
*Clin Breast Cancer* 20:291-299.e3, 2020.
- Zhao L, Moskvina VM, Cheng CW, Das IJ.** Dose perturbation caused by metallic port in breast tissue expander in proton beam therapy.  
*Biomed Phys Eng Express* 6:065037, 2020.
- Zheng J, An X, Qian JY, Mai Y, Xu Z, Xu T.** Research letter: ED90 of phenylephrine prophylactic bolus dose to prevent maternal hypotension during cesarean delivery.  
*J Clin Anesth* 64:109812, 2020.
- Zheng M, Kanneganti TD.** Newly identified function of caspase-6 in ZBP1-mediated innate immune responses, NLRP3 inflammasome activation, PANoptosis, and host defense.  
*J Cell Immunol* 2:341-347, 2020.
- Zheng M, Kanneganti TD.** The regulation of the ZBP1-NLRP3 inflammasome and its implications in pyroptosis, apoptosis, and necroptosis (PANoptosis).  
*Immunol Rev* 297:26-38, 2020.
- Zheng M, Karki R, Vogel P, Kanneganti TD.** Caspase-6 is a key regulator of innate immunity, inflammasome activation, and host defense.  
*Cell* 181:674-687.e13, 2020.
- Zheng M, Williams EP, Malireddi RKS, Karki R, Banoth B, Burton A, Webby R, Channappanavar R, Jonsson CB, Kanneganti TD.** Impaired NLRP3 inflammasome activation/pyroptosis leads to robust inflammatory cell death via caspase-8/RIPK3 during coronavirus infection.  
*J Biol Chem* 295:14040-14052, 2020.
- Zheng Y, Tormey CA.** The use of 4F-PCC to correct direct oral anticoagulant-induced coagulopathy: An observational analysis.  
*Transfus Med* 30:304-307, 2020.
- Zheng Z, Zhang L, Cui XL, Yu X, Hsu PJ, Lyu R, Tan H, Mandal M, Zhang M, Sun HL, Sanchez Castillo A, Peng J, Clark MR, He C, Huang H.** Control of early B cell development by the RNA N(6)-methyladenosine methylation.  
*Cell Rep* 31:107819, 2020.
- Zhong B, Campagne O, Salloum R, Purzner T, Stewart CF.** LC-MS/MS method for quantitation of the CK2 inhibitor silmitasertib (CX-4945) in human plasma, CSF, and brain tissue, and application to a clinical pharmacokinetic study in children with brain tumors.  
*J Chromatogr B Analyt Technol Biomed Life Sci* 1152:122254, 2020.

**Zhong B, Campagne O, Tinkle CL, Stewart CF.** An LC/ESI-MS/MS method to quantify the PI3K inhibitor GDC-0084 in human plasma and cerebrospinal fluid: Validation and clinical application.

*Biomed Chromatogr* 34:e4697, 2020.

**Zhu GG, Ramirez D, Chen W, Lu C, Wang L, Frosina D, Jungbluth A, Ntiamoah P, Nafa K, Boland PJ, Hameed MR.** Chromosome 3p loss of heterozygosity and reduced H3K36me3 correlate with longer relapse free survival in sacral conventional chordoma.

*Hum Pathol* 104:73-83, 2020.

**Zhu L, Choi S, Li Y, Huang X, Sun J, Robison LL.** Statistical analysis of clustered mixed recurrent-event data with application to a cancer survivor study.

*Lifetime Data Anal* 26:820-832, 2020.

**Zhu L, Tong X, Cai D, Li Y, Sun R, Srivastava DK, Hudson MM.** Maximum likelihood estimation for the proportional odds model with mixed interval-censored failure time data.

*J Appl Stat* 48:1496-1512 2020.

**Zou S, Zhang S, Gaffney A, Ding H, Lu M, Grover JR, Farrell M, Nguyen HT, Zhao C, Anang S, Zhao M, Mohammadi M, Blanchard SC, Abrams C, Madani N, Mothes W, Kappes JC, Smith AB 3rd, Sodroski J.** Long-acting BMS-378806 analogues stabilize the state-1 conformation of the human immunodeficiency virus type 1 envelope glycoproteins.

*J Virol* 94:e00148-20, 2020.