


*mSphere* 1, 2016.


Anupindi SA, Chauvin NA, Nichols KE. Reply to “Whole-Body MRI Screening in Children With Li-Fraumeni and Other Cancer-Predisposition Syndromes.” 


Arensdorf AM, Marada S, Ogden SK. Smoothened regulation: A Tale of Two Signals. 

Argikar UA, Potter PM, Hutzler JM, Marathe PH. Challenges and opportunities with non-CYP enzymes aldehyde oxidase, carboxylesterase, and UDP-glucuronosyltransferase: Focus on reaction phenotyping and prediction of human clearance. 


Armstrong GT, Yasui Y, Robison LL. Reduction in late mortality after childhood cancer. 


Baker SJ, Ellison DW, Gutmann DH. Pediatric gliomas as neurodevelopmental disorders. 


Banerjee M, Chai SC, Wu J, Robbins D, Chen T. Tryptophan 299 is a conserved residue of human pregnane X receptor critical for the functional consequence of ligand binding. 

Banerjee PR, Mitrea DM, Kriwacki RW, Deniz AA. Asymmetric modulation of protein order-disorder transitions by phosphorylation and partner binding. 


Baranovich T, Bahl J. Influenza A Virus Diversity and Transmission in Exhibition Swine. 


---

**Ayers K, Villalobos AV, Li Z, Krasin M.** The St. Jude Cancer Education for Children Program Pilot Study: Determining the Knowledge Acquisition and Retention of 4th-Grade Students. 


**Baassiri MJ, Mulrooney DA.** At the heart of adolescent and young adult cancer survivorship. 


**Baker SJ, Ellison DW, Gutmann DH.** Pediatric gliomas as neurodevelopmental disorders. 


**Banerjee M, Chai SC, Wu J, Robbins D, Chen T.** Tryptophan 299 is a conserved residue of human pregnane X receptor critical for the functional consequence of ligand binding. 

**Banerjee PR, Mitrea DM, Kriwacki RW, Deniz AA.** Asymmetric modulation of protein order-disorder transitions by phosphorylation and partner binding. 


**Baranovich T, Bahl J.** Influenza A Virus Diversity and Transmission in Exhibition Swine. 


Bruhn DF, Wyllie S, Rodriguez-Cortes A, Carrillo AK, Rakesh, Guy RK, Fairlamb AH, Lee RE. Pentacyclic nitrofurans that
rapidly kill nifurtimox-resistant trypanosomes.  


Bryant R, Porter JS, Sobota A, Association of Pediatric Hematology/Oncology Nurses, American Society of Pediatric Hematology Oncology. APHON/ASPHO Policy Statement for the transition of patients with sickle cell disease from pediatric to adult health care.  


Buelow D, Sun Y, Tang L, Gu Z, Pounds S, Hayden R. Comparative evaluation of four real-time PCR methods for the quantitative detection of Epstein-Barr virus from whole blood specimens.  

Buffen K, Oosting M, Li Y, Kanneganti TD, Netea MG, Joosten LA. Autophagy suppresses host adaptive immune responses toward Borrelia burgdorferi.  

Burmeister M, Lee JH, Schulman BA, Yapici Z, Tolun A, Juhasz G, Li JZ, Klionsky DJ. A role of autophagy in spinocerebellar ataxia—Rare exception or general principle?  

*Influenza Other Respir Viruses* 10:486-492, 2016.


Cherian MT, Yang L, Chai SC, Lin W, Chen T. Identification and characterization of CINPA1 metabolites facilitates structure-activity studies of the constitutive androstane receptor. 

Cheung YT, Edelmann MN, Mulrooney DA, Green DM, Chemaitilly W, John N, Robison LL, Hudson MM, Krull KR. Uric acid and neurocognitive function in survivors of childhood acute lymphoblastic leukemia treated with chemotherapy only. 


Chiaretti S, Gianfici V, O'Brien SM, Mullighan CG. Advances in the genetics and therapy of acute lymphoblastic leukemia. 

Child CJ, Zimmermann AG, Jia N, Robison LL, Bramswig JH, Blum WF. Assessment of primary cancer incidence in growth hormone-treated children: Comparison of a multinational prospective observational study with population databases. 

Chin AW, Yen HL, Krauss S, Webby RJ, Poon LL. Recombinant influenza virus with a pandemic H2N2 polymerase complex has a higher adaptive potential than one with seasonal H2N2 polymerase complex. 


Choudhri AF, Siddiqui A, Klimo P Jr. Pediatric cerebellar tumors: Emerging imaging techniques and advances in understanding of genetic features. 

Choudhri AF, Siddiqui A, Klimo P Jr. Pediatric cerebellar tumors: Emerging imaging techniques and advances in understanding of genetic features. 


Targan SR, Xavier RJ, Ernst PB, Green DR, McGovern DP, Virgin HW, Mazmanian SK. Gene-microbiota interactions contribute to the pathogenesis of inflammatory bowel disease.

JCI Insight 1:e86082, 2016.


Coday M, Richey P, Thomas F, Tran QT, Terrell SB, Tylavsky F, Miro D, Caufield M, Johnson KC. The recruitment experience of a randomized clinical trial to aid young adult smokers to stop smoking without weight gain with interactive technology.

Conner JM, Aviles-Robles MJ, Asdahl PH, Zhang FF, Ojha RP. Malnourishment and length of hospital stay among paediatric cancer patients with febrile neutropaenia: a developing country perspective.


Cox CL, Zhu L, Ojha RP, Li C, Srivastava DK, Riley BB, Hudson MM, Robison LL. The unmet emotional, care/support, and informational needs of adult survivors of pediatric malignancies.


therapy for X-linked severe combined immunodeficiency.


Dillon CP, Balachandran S. StIKKing it to a death kinase: IKKs prevent TNF-α-induced cell death by phosphorylating RIPK1. Cytokine 78:47-50, 2016.


Edelmann MN, Daryani VM, Bishop MW, Liu W, Brinkman TM, Stewart CF, Mulrooney DA, Kimberg C, Ness KK,


Farschtschi S, Mautner VF, Pham M, Nguyen R, Kehrler-Sawatzki H, Hutter S, Friedrich RE, Schulz A, Morrison H, Jones


St. Jude Children’s Research Hospital Peer-Reviewed Publications 2016


Green DM. Considerations in the diagnosis and management of pediatric patients with favorable histology Wilms tumor who present with only pulmonary nodules.


Green DR. The cell's dilemma, or the story of cell death. An entertainment in three acts.

Green DR. A BH3 mimic for killing cancer cells.

Green DR, Fitzgerald P. Just So stories about the evolution of apoptosis.

Green DR, Oguin TH, Martinez J. The clearance of dying cells: table for two.


lymphoblastic leukaemia.

Hakim H, Allison KJ, Van de Velde LA, Tang L, Sun Y, Flynn PM, McCullers JA. Immunogenicity and safety of high-dose trivalent inactivated influenza vaccine compared to standard-dose vaccine in children and young adults with cancer or HIV infection.
Vaccine 34:3141-3148, 2016.


Han YG. Sonic hedgehog signaling: A conserved mechanism for the expansion of outer radial glia and intermediate progenitor cells and for the growth and folding of the neocortex.
Neurogenesis (Austin) 3:e1242957, 2016.


Harreld JH, Hwang SN, Qaddoumi I, Tatevosian RG, Li X, Dalton J, Haupfear K, Li Y, Ellison DW. Relative ADC and location differ between posterior fossa pilocytic astrocytomas with and without gangliocytic differentiation.


Hayden RT, Gu Z, Sam SS, Sun Y, Tang L, Pounds S, Caliendo AM. Comparative performance of reagents and platforms for quantitation of cytomegalovirus DNA by digital PCR.


Hinds PS, Shaw Weaver M. Can cancer research careers and study findings Be credible if funded by philanthropy? Cancer Nurs 38:165-166, 2016.


Hwang S, Cobb DA, Bhadra R, Youngblood B, Khan IA. Blimp-1-mediated CD4 T cell exhaustion causes CD8 T cell dysfunction during chronic toxoplasmosis.


outcomes in survivors of childhood acute lymphoblastic leukemia treated on a contemporary chemotherapy protocol. 


Johnson MD, Ayers KA. Science Sound Bites, a podcast for STEM curriculum supplementation. 

Johnston D, Schurtz E, Tourville E, Jones T, Boemer A, Giel D. Risk factors associated with severity and outcomes in pediatric patients with hemorrhagic cystitis. 

St. Jude Children’s Research Hospital Peer-Reviewed Publications 2016


MA. Avian influenza A(H5N1) virus in Egypt. 


Klimo P Jr, Nesvick CL, Broniscer A, Orr BA, Choudhri AF. Malignant brainstem tumors in children, excluding diffuse


Linam WM, Honeycutt MD, Gilliam CH, Wisdom CM, Bai S, Deshpande JK. Successful development of a direct
observation program to measure health care worker hand hygiene using multiple trained volunteers.


Ling T, Rivas F. All-carbon quaternary centers in natural products and medicinal chemistry: recent advances.


*BMC Genet* 17:146, 2016.


Liu Z, Man SM, Zhu Q, Vogel P, Frase S, Fukui Y, Kanneganti TD. DOCK2 confers immunity and intestinal colonization...
resistance to Citrobacter rodentium infection.


Lucas JT Jr, Wright KD. Vismodegib and physeal closure in a pediatric patient.


St. Jude Children’s Research Hospital Peer-Reviewed Publications 2016


Martin EW, Holehouse AS, Grace CR, Hughes A, Pappu RV, Mittag T. Sequence determinants of the conformational properties of an intrinsically disordered protein prior to and upon multisite phosphorylation. 


Marvin SA, Huerta CT, Sharp B, Freiden P, Cline TD, Schultz-Cherry S. Type I interferon response limits astrovirus replication and protects against increased barrier permeability in vitro and in vivo. 


and catalysis. 


Miller JM, Enemark EJ. Fundamental characteristics of AAA+ protein family structure and function. 


Mirro AE, Brady SL, Kaufman RA. Full dose-reduction potential of statistical iterative reconstruction for head CT protocols in a predominantly pediatric population. 


Mitrea DM, Cika JA, Guy CS, Ban D, Banerjee PR, Stanley CB, Nourse A, Deniz AA, Kriwacki RW. Nucleophosmin integrates within the nucleolus via multi-modal interactions with proteins displaying R-rich linear motifs and rRNA. 

Mitrea DM, Kriwacki RW. Phase separation in biology; functional organization of a higher order. 


Molinelli AR, Rose CH 4th. Quantification of the triazole antifungal compounds voriconazole and posaconazole in human serum or plasma using liquid chromatography electrospray tandem mass spectrometry (HPLC-ESI-MS/MS). 


Momani TG, Mandrell BN, Gattuso JS, West NK, Taylor SL, Hinds PS. Children’s perspective on health-related quality of life during active treatment for acute lymphoblastic leukemia: an advanced content analysis approach. 


Morfouace M, Nimmervoll B, Boulou N, Patel YT, Shelat A, Freeman BB 3rd, Robinson GW, Wright K, Gajjar A, Stewart
CF, Gilbertson RJ, Roussel MF. Preclinical studies of 5-fluoro-2’-deoxyctydine and tetrahydrouridine in pediatric brain tumors.


Mostafa HH, Vogel P, Srinivasan A, Russell CJ. Non-invasive imaging of Sendai virus infection in pharmacologically immunocompromised mice: NK and T cells, but not neutrophils, promote viral clearance after therapy with cyclophosphamide and dexamethasone.


Motta D. The moments that drive your journey.


Mulrooney DA. Breast cancer following childhood cancer—more to the story than we thought.


Murray PJ. Amino acid auxotrophy as a system of immunological control nodes.


Nickels AS, Myers GD, Johnson LM, Joshi A, Sharp RR, Lantos JD. Can parents refuse a potentially lifesaving transplant for severe combined immunodeficiency?
Nienhuis AW, Nathwani AC, Davidoff AM. Gene therapy for hemophilia. 

*Pharmacogenomics J* 16:519-524, 2016.

Nikitaki Z, Mavragani IV, Laskaratou DA, Gika V, Moskvin VP, Theofilatos K, Vougas K, Stewart RD, Georgakilas AG. Systemic mechanisms and effects of ionizing radiation: A new 'old' paradigm of how the bystanders and distant can become the players. 


Obong'o CO, Pichon LC, Powell TW, Williams AL. Strengthening partnerships between Black Churches and HIV service providers in the United States. 


Okado Y, Tillery R, Sharp KH, Long AM, Phipps S. Effects of time since diagnosis on the association between parent and child distress in families with pediatric cancer. 


solutions: A randomized control trial for oppositional youth.

**Olson MR, Chua BY, Good-Jacobson KL, Doherty PC, Jackson DC, Turner SJ.** Competition within the virus-specific CD4 T cell pool limits the T follicular helper response after influenza infection.


**Opferman JT.** Attacking cancer's Achilles heel: Antagonism of anti-apoptotic BCL-2 family members.


**Parisi MT, Eslamy H, Park JR, Shulkin BL, Yanik GA.** (131)I-Metaiodobenzylguanidine theranostics in neuroblastoma: Historical perspectives; practical applications.


**Patel YT, Jacus MO, Davis AD, Boulos N, Turner DC, Vuppala PK, Freeman BB 3rd, Gilbertson RJ, Stewart CF.** Simvastatin hydroxy acid fails to attain sufficient central nervous system tumor exposure to achieve a cytotoxic effect: Results of a preclinical cerebral microdialysis study.


Penkert RR, Surman SL, Jones BG, Sealy RE, Vogel P, Neale G, Hurwitz JL. Vitamin A deficient mice exhibit increased viral antigens and enhanced cytokine/chemokine production in nasal tissues following respiratory virus infection despite the presence of FoxP3+ T cells. **Int Immunol** 28:139-152, 2016.


Pritchard EM, Dyer MA, Guy RK. Progress in small molecule therapeutics for the treatment of retinoblastoma.


Qualls JE, Murray PJ. Immunometabolism within the tuberculosis granuloma: amino acids, hypoxia, and cellular respiration. Semin Immunopathol 38:139-152, 2016.


*RMD Open* 2:e000161, 2016.


Sreeraman Kumar R, Messina JL, Reed D, Navid F, Sondak VK. Pediatric melanoma and atypical melanocytic neoplasms. 


Surman SL, Penkert RR, Jones BG, Sealy RE, Hurwitz JL. Vitamin supplementation at the time of immunization with a cold-adapted influenza virus vaccine corrects poor mucosal antibody responses in mice deficient for vitamins A and D. 


Wang L, Hou S, Han YG. Hedgehog signaling promotes basal progenitor expansion and the growth and folding of the neocortex. 


Wang R, Davidoff AM, Pfeffer LM. Bortezomib sensitizes human glioblastoma cells to induction of apoptosis by type I interferons through NOXA expression and Mcl-1 cleavage. 

Wang WC. Prognostic factors and the response to hydroxyurea treatment in sickle cell disease. 


Wetmore C, Daryani VM, Billups CA, Boyett JM, Leary S, Tanos R, Goldsmith KC, Stewart CF, Blaney SM, Gajjar A.
Phase II evaluation of sunitinib in the treatment of recurrent or refractory high-grade glioma or ependymoma in children: a Children's Oncology Group Study ACNS1021.

Whipple NS, Bennett EE, Kaza E, O'Connor M. Umbilical cord pseudocyst in a newborn.

Wierdl M, Tsurkan L, Hatfield MJ, Potter PM. Tumour-selective targeting of drug metabolizing enzymes to treat metastatic cancer.

Wilkins ML, Dallas RH, Porter JS, Tang L, Sun Y, Magdovitz-Frankfurt P, Gaur AH. Characterizing body image in youth with HIV.


*Psychol Trauma* 8:63-71, 2016.


Williams RF, Fernandez-Pineda I, Gosain A. Pediatric sarcomas.


Wong K, Shaw TI, Oladeinde A, Glenn TC, Oakley B, Molina M. Rapid microbiome changes in freshly deposited cow
feces under field conditions.


Wu AW, Wansom T, Huang IC, CoFrancesco J Jr, Conant MA, Sarwer DB. The Facial Appearance Inventory: Development and preliminary evidence for reliability and validity in people with HIV and lipoatrophy.


Wu J. Single-arm Phase II cancer survival trial designs.


Wu J, Xiong X. Survival trial design and monitoring using historical controls.


Yao J, Bruhn DF, Frank MW, Lee RE, Rock CO. Activation of Exogenous Fatty Acids to Acyl-Acyl Carrier Protein Cannot Bypass FabI Inhibition in Neisseria.


Yao J, Ericson ME, Frank MW, Rock CO. Enoyl-acyl carrier protein reductase I (FabI) is essential for the intracellular growth of *Listeria monocytogenes*.


Yao J, Rock CO. Resistance mechanisms and the future of bacterial enoyl-acyl carrier protein reductase (FabI) antibiotics.


Yao W, Merchant TE, Farr JB. A correction scheme for a simplified analytical random walk model algorithm of proton dose calculation in distal Bragg peak regions.


Zhao Y, Nguyen P, Vogel P, Li B, Jones LL, Geiger TL. Autoimmune susceptibility imposed by public TCRβ chains.


Zheng F, Kasper LH, Bedford DC, Lerach S, Teubner BJ, Brindle PK. Mutation of the CH1 domain in the histone acetyltransferase CREBBP results in autism-relevant behaviors in mice.


*Nat Genet* 48:4-6, 2016.


