



Norman J. Lacayo, MD

Associate Professor of Pediatrics (Hematology and Oncology)

Pediatrics - Hematology & Oncology

CLINICAL OFFICES

- **Bass Cancer Center for Childhood Cancer and Blood Diseases**

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- **Pediatric Hematology and Oncology**

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Bio

CLINICAL FOCUS

- Hematology/Oncology/Stem Cell Transplant, Pediatric
- Oncology (Cancer), Pediatric
- AML, childhood and adolescent/young adult
- ALL, childhood and adolescent/young adult
- lymphoblastic lymphoma, childhood
- Pediatric Hematology-Oncology

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Pediatrics - Hematology & Oncology
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Member, Cancer Center, (2007- present)
- Myeloid Steering Committee, Children's Oncology Group, (2007- present)
- Director, Pediatric Oncology Experimental Therapeutics Investigators' Consortium [POETIC], (2019- present)

HONORS AND AWARDS

- Member, Alpha Omega Alpha (1990)
- New Approaches in Pediatric Myeloid Leukemia, V Foundation (10/09-09/12)
- Banking Acute Leukemia Specimens at Lucile Packard Children's Hospital: Hyundai Infrastructure Grant, Hyundai Foundation (10/11-09/12)
- Molecular and Pharmacologic Correlates of Acute Myeloid Leukemia in Down Syndrome, NIH ROI subcontract from Wayne State University (01/09-04/16)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Hematology-Oncology, American Board of Pediatrics (1996)
- Medical Education: University of California at San Francisco School of Medicine (1989) CA
- Internship: UCSF Medical Center (1990) CA
- Residency: UCSF Medical Center (1992) CA
- Fellowship: Stanford University Medical Center (1995) CA
- MD, U.C., San Francisco, Medicine (1989)
- BA, U. C., Berkeley, Biochemistry (1985)

LINKS

- Research Gate: http://www.researchgate.net/profile/Norman_Lacayo/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Pediatric Hematology/Oncology, Phase I drug studies for refractory and relapsed leukemia; genomic studies, biologic risk-stratification and treatment of acute myeloid leukemia; prediction or induction response and risk of relapse using phosphoproteomics in childhood AML; novel MRD techniques in childhood ALL.

CLINICAL TRIALS

- A Study Evaluating the Safety, Tolerability, Pharmacokinetics, and Preliminary Activity of Idasanutlin in Combination With Either Chemotherapy or Venetoclax in the Treatment of Pediatric and Young Adult Participants With Relapsed/Refractory Acute Leukemias or Solid Tumors, Recruiting
- A Study to Test the Safety and Efficacy of the Drug Larotrectinib for the Treatment of Tumors With NTRK-fusion in Children, Recruiting
- A Trial of Epigenetic Priming in Patients With Newly Diagnosed Acute Myeloid Leukemia, Recruiting
- Carfilzomib in Combination With Cyclophosphamide and Etoposide for Children, Recruiting
- Dose Escalation Study of CLR 131 in Children, Adolescents, and Young Adults With Relapsed or Refractory Malignant Tumors Including But Not Limited to Neuroblastoma, Rhabdomyosarcoma, Ewings Sarcoma, and Osteosarcoma, Recruiting
- Phase I Dose Escalation Study of CD19/CD22 Chimeric Antigen Receptor (CAR) T Cells in Children and Young Adults With Recurrent or Refractory B Cell Malignancies, Recruiting
- Protocol for Collecting, Banking and Distributing Human Tissue Samples: St. Jude Children's Research Hospital Tissue Resources Core Facility, Recruiting
- Safety and Dose Finding Study of Neratinib in Children and Young Adults With Cancer That Has Returned or Not Responded to Treatment, Recruiting
- Study of Venetoclax in Combination With Chemotherapy in Pediatric Patients With Refractory or Relapsed Acute Myeloid Leukemia or Acute Leukemia of Ambiguous Lineage, Recruiting
- Total Therapy for Infants With Acute Lymphoblastic Leukemia (ALL) I, Recruiting
- Total Therapy XVII for Newly Diagnosed Patients With Acute Lymphoblastic Leukemia and Lymphoma, Recruiting
- Efficacy and Safety of Decitabine as Epigenetic Priming With Induction Chemotherapy in Pediatric Acute Myelogenous Leukemia (AML) Subjects, Not Recruiting
- Genome, Proteome and Tissue Microarray in Childhood Acute Leukemia, Not Recruiting

Publications

PUBLICATIONS

- **A comprehensive circulating tumor DNA assay for detection of translocation and copy number changes in pediatric sarcomas.** *Molecular cancer therapeutics*
Shah, A. T., Azad, T. D., Breese, M. R., Chabon, J. J., Hamilton, E. G., Straessler, K., Kurtz, D. M., Leung, S. G., Spillinger, A., Liu, H., Behroozfard, I. H., Wittber, F. M., Hazard, et al
2021
- **Activated Natural Killer Cells Predict Poor Clinical Prognosis in High-risk B- and T- cell Acute Lymphoblastic Leukemia.** *Blood*
Duault, C., Kumar, A., Taghi Khani, A., Lee, S. J., Yang, L., Huang, M., Hurtz, C., Manning, B., Ghoda, L. Y., McDonald, T., Lacayo, N. J., Sakamoto, K. M., Carroll, et al
2021
- **Engineered Type 1 Regulatory T Cells Have a Cytotoxic Profile and Kill Pediatric Acute Myeloid Leukemia Cells**
Sayitoglu, E., Uyeda, M., Liu, J. M., Cieniewicz, B., Chen, P., Lacayo, N., Cepika, A., Roncarolo, M.
CELL PRESS.2021: 317
- **Venetoclax and Navitoclax in Combination with Chemotherapy in Patients with Relapsed or Refractory Acute Lymphoblastic Leukemia and Lymphoblastic Lymphoma.** *Cancer discovery*
Pullarkat, V. A., Lacayo, N. J., Jabbour, E., Rubnitz, J. E., Bajel, A., Laetsch, T. W., Leonard, J., Colace, S. I., Khaw, S. L., Fleming, S. A., Mattison, R. J., Norris, R., Opferman, et al
2021
- **Safety, pharmacokinetics, and pharmacodynamics of panobinostat in children, adolescents, and young adults with relapsed acute myeloid leukemia.** *Cancer*
Karol, S. E., Cooper, T. M., Mead, P. E., Crews, K. R., Panetta, J. C., Alexander, T. B., Taub, J. W., Lacayo, N. J., Heym, K. M., Kuo, D. J., Schiff, D. E., Bhojwani, D., Ge, et al
2020
- **Extracellular Vesicle and Particle Biomarkers Define Multiple Human Cancers.** *Cell*
Hoshino, A., Kim, H. S., Bojmar, L., Gyan, K. E., Cioffi, M., Hernandez, J., Zambirinis, C. P., Rodrigues, G., Molina, H., Heissel, S., Mark, M. T., Steiner, L., Benito-Martin, et al
2020
- **Integrative analysis of whole-genome and RNA sequencing in high-risk pediatric malignancies**
Shah, A. T., Breese, M. R., Lee, A. G., Martell, H. J., Tanasa, B., Leung, S. G., Spillingeer, A., Liu, H., Behroozfard, I., Phuong Dinh, Hazard, F. K., Cho, S., Rangaswami, A., et al
AMER ASSOC CANCER RESEARCH.2020: 90-91
- **Comparative gene expression analysis for identification and prioritization of therapeutic targets in a cohort of childhood cancers**
Sanders, L. M., Lyle, A., Beale, H. C., Kephart, E., Learned, K., Peralez, J., Lacayo, N., Rangaswami, A., Spunt, S. L., Bjork, I., Haussler, D., Salama, S. R., Vaske, et al
AMER ASSOC CANCER RESEARCH.2020: 66
- **Delayed cancer diagnoses and high mortality in children during the COVID-19 pandemic.** *Pediatric blood & cancer*
Ding, Y., Ramakrishna, S., Long, A. H., Phillips, C. A., Montiel-Esparza, R., Diorio, C. J., Bailey, L. C., Maude, S. L., Aplenc, R., Batra, V., Reilly, A. F., Rheingold, S. R., Lacayo, et al
2020: e28427
- **Metabolomics in acute myeloid leukemia.** *Molecular genetics and metabolism*
Wojcicki, A. V., Kasowski, M. M., Sakamoto, K. M., Lacayo, N.
2020
- **Venetoclax in combination with cytarabine with or without idarubicin in children with relapsed or refractory acute myeloid leukaemia: a phase 1, dose-escalation study.** *The Lancet. Oncology*
Karol, S. E., Alexander, T. B., Budhreja, A., Pounds, S. B., Canavera, K., Wang, L., Wolf, J., Klco, J. M., Mead, P. E., Das Gupta, S., Kim, S. Y., Salem, A. H., Palenski, et al
2020

- **Repurposing Drugs for Acute Myeloid Leukemia: A Worthy Cause or a Futile Pursuit?** *Cancers*
Wojcicki, A. V., Kadappakkam, M., Frymoyer, A., Lacayo, N., Chae, H., Sakamoto, K. M.
2020; 12 (2)
- **EPIGENETIC TARGETING OF TERT-ASSOCIATED GENE EXPRESSION SIGNATURE IN HUMAN NEUROBLASTOMA WITH TERT OVEREXPRESSION.** *Cancer research*
Huang, M. n., Zeki, J. n., Sumarsono, N. n., Coles, G. L., Taylor, J. S., Danzer, E. n., Bruzoni, M. n., Hazard, F. K., Lacayo, N. J., Sakamoto, K. M., Dunn, J. C., Spunt, S. L., Chiu, et al
2020
- **Genomic stability at the coding regions of the multidrug transporter gene ABCB1: insights into the development of alternative drug resistance mechanisms in human leukemia cells.** *Cancer drug resistance (Alhambra, Calif.)*
Chen, K. G., Duran, G. E., Mogul, M. J., Wang, Y. C., Ross, K. L., Jaffrezou, J., Huff, L. M., Johnson, K. R., Fojo, T., Lacayo, N. J., Sikic, B. I.
2020; 3: 959-979
- **Pediatric Acute Lymphoblastic Leukemia, Version 2.2020** *JOURNAL OF THE NATIONAL COMPREHENSIVE CANCER NETWORK*
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, et al
2020; 18 (1): 81–112
- **Engineered type 1 regulatory T cells designed for clinical use kill primary pediatric acute myeloid leukemia cells** *Haematologica*
Cieniewicz, B., Uyeda, M. J., Chen, P. P., Sayitoglu, E. C., Liu, J. M., Andolfi, G., Greenthal, K., Bertaina, A., Gregori, S., Bacchetta, R., Lacayo, N. J., Cepika, A., Roncarolo, et al
2020
- **RSK inhibitor BI-D1870 inhibits acute myeloid leukemia cell proliferation by targeting mitotic exit.** *Oncotarget*
Chae, H. D., Dutta, R. n., Tiu, B. n., Hoff, F. W., Accordi, B. n., Serafin, V. n., Youn, M. n., Huang, M. n., Sumarsono, N. n., Davis, K. L., Lacayo, N. J., Pigazzi, M. n., Horton, et al
2020; 11 (25): 2387–2403
- **Establishing a Novel in Vitro Informed Precision Clinical Trial Pathway for Refractory Pediatric Leukemia**
Zhang, C., Sharma, R., Satbir, T., Cheney, A., Vaske, O., Sanders, L., Boklan, J., Lewis, V. A., Anderson, R., Kovalchuk, O., Lacayo, N. J., Narendran, A., Bielałowicz, et al
AMER SOC HEMATOLOGY.2019
- **Safety and Efficacy of Venetoclax in Combination with Navitoclax in Adult and Pediatric Relapsed/Refractory Acute Lymphoblastic Leukemia and Lymphoblastic Lymphoma**
Lacayo, N. J., Pullarkat, V. A., Stock, W., Jabbour, E., Bajel, A., Rubnitz, J., Leonard, J., Mullighan, C. G., Khaw, S., Vear, S. I., Opferman, J. T., Salem, A., Schmidt, et al
AMER SOC HEMATOLOGY.2019
- **Venetoclax in Combination with High-Dose Chemotherapy Is Active and Well-Tolerated in Children with Relapsed or Refractory Acute Myeloid Leukemia**
Karol, S. E., Alexander, T., Budraja, A., Pounds, S., Canavera, K. E., Wang, L., Wolf, J., Klco, J. M., Salem, A., Palenski, T., Lacayo, N. J., Pui, C., Opferman, et al
AMER SOC HEMATOLOGY.2019
- **Comparative Tumor RNA Sequencing Analysis for Difficult-to-Treat Pediatric and Young Adult Patients With Cancer.** *JAMA network open*
Vaske, O. M., Bjork, I., Salama, S. R., Beale, H., Tayi Shah, A., Sanders, L., Pfeil, J., Lam, D. L., Learned, K., Durbin, A., Kephart, E. T., Currie, R., Newton, et al
2019; 2 (10): e1913968
- **Combination BCL-2 Inhibitor Therapy with Venetoclax and Navitoclax in Patients with Relapsed/Refractory Acute Lymphoblastic Leukemia and Lymphoblastic Lymphoma**
Jabbour, E., Mullighan, C. G., Pullarkat, V. A., Lacayo, N. J., Bajel, A., Rubnitz, J., Leonard, J., Khaw, S., Vear, S. I., Alexander, T., Norris, R., Salem, A., Schmidt, et al
CIG MEDIA GROUP, LP.2019: S184–S185
- **Integrative analysis of whole-genome and RNA sequencing in high-risk pediatric malignancies**
Breese, M. R., Shah, A. T., Lee, A. G., Tanasa, B., Leung, S. G., Spillinger, A., Liu, H., Behroozfard, I., Phuong Dinh, Hazard, F. K., Rangaswami, A., Spunt, S. L., Lacayo, N. J., et al
AMER ASSOC CANCER RESEARCH.2019
- **Clofarabine Can Replace Anthracyclines and Etoposide in Remission Induction Therapy for Childhood Acute Myeloid Leukemia: The AML08 Multicenter, Randomized Phase III Trial.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*

- Rubnitz, J. E., Lacayo, N. J., Inaba, H., Heym, K., Ribeiro, R. C., Taub, J., McNeer, J., Degar, B., Schiff, D., Yeoh, A. E., Coustan-Smith, E., Wang, L., Triplett, et al
2019: JCO1900327
- **Safety and activity of venetoclax in combination with high-dose cytarabine in children with relapsed or refractory acute myeloid leukemia.**
Karol, S. E., Alexander, T., Das Gupta, S., Pounds, S. B., Canavera, K., Klco, J. M., Lacayo, N., Pui, C., Opferman, J. T., Rubnitz, J. E.
AMER SOC CLINICAL ONCOLOGY.2019
 - **A phase II clinical trial of adoptive transfer of haploidentical natural killer cells for consolidation therapy of pediatric acute myeloid leukemia.** *Journal for immunotherapy of cancer*
Nguyen, R., Wu, H., Pounds, S., Inaba, H., Ribeiro, R. C., Cullins, D., Rooney, B., Bell, T., Lacayo, N. J., Heym, K., Degar, B., Schiff, D., Janssen, et al
2019; 7 (1): 81
 - **Comparative RNA-seq analysis aids in diagnosis of a rare pediatric tumor.** *Cold Spring Harbor molecular case studies*
Sanders, L. M., Rangaswami, A. n., Bjork, I. n., Lam, D. L., Beale, H. C., Kephart, E. T., Durbin, A. n., Learned, K. n., Currie, R. n., Lyle, A. G., Pfeil, J. n., Shah, A. T., Lee, et al
2019; 5 (5)
 - **Tracking Cell Transplants in Femoral Osteonecrosis with Magnetic Resonance Imaging: A Proof-of-Concept Study in Patients** *CLINICAL CANCER RESEARCH*
Theruvath, A. J., Nejadnik, H., Muehe, A. M., Gassert, F., Lacayo, N. J., Goodman, S. B., Daldrup-Link, H. E.
2018; 24 (24): 6223–29
 - **Comparison of the Transcriptomic Signature of Pediatric Vs. Adult CML and Normal Bone Marrow Stem Cells**
Chae, H., Murphy, L. C., Donato, M., Lee, A. G., Sweet-Cordero, E., Abidi, P., Bittencourt, H., Lacayo, N. J., Dahl, G., Aftandilian, C., Davis, K. L., Huang, M., Sumarsono, et al
AMER SOC HEMATOLOGY.2018
 - **Venetoclax and Navitoclax in Patients with Relapsed or Refractory Acute Lymphoblastic Leukemia and Lymphoblastic Lymphoma**
Alexander, T., Lacayo, N. J., Pullarkat, V. A., Jabbour, E. J., Khaw, S., Mullighan, C. G., Bajel, A., Leonard, J., Norris, R., Rubnitz, J., Vear, S. I., Schmidt, M., Tong, et al
AMER SOC HEMATOLOGY.2018
 - **Tracking Cell Transplants in Femoral Osteonecrosis with Magnetic Resonance Imaging: A Proof of Concept Study in Patients.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Theruvath, A. J., Nejadnik, H., Muehe, A. M., Gassert, F., Lacayo, N. J., Goodman, S. B., Daldrup-Link, H. E.
2018
 - **Safety and Efficacy of the BCL Inhibitors Venetoclax and Navitoclax in Combination with Chemotherapy in Patients with Relapsed/Refractory Acute Lymphoblastic Leukemia and Lymphoblastic Lymphoma**
Hantel, A., Wynne, J., Lacayo, N., Khaw, S., Rubnitz, J., Mullighan, C., Schmidt, M., Zhou, Y., Ross, J. A., Rosenwinkel, L., Kim, S., Jabbour, E., Alexander, et al
CIG MEDIA GROUP, LP.2018: S184–S185
 - **Open-label, dose-escalation, phase 1 study of venetoclax in combination with navitoclax and chemotherapy in patients with relapsed acute lymphoblastic leukemia.**
Alexander, T., Khaw, S., Rubnitz, J. E., Vear, S. I., Lacayo, N., Schmidt, M., Tong, B., Rosenwinkel, L., Bensman, L., Verdugo, M., Kim, S., Jabbour, E., Stock, et al
AMER SOC CLINICAL ONCOLOGY.2018
 - **Single-cell developmental classification of B cell precursor acute lymphoblastic leukemia at diagnosis reveals predictors of relapse.** *Nature medicine*
Good, Z., Sarno, J., Jager, A., Samusik, N., Aghaepour, N., Simonds, E. F., White, L., Lacayo, N. J., Fantl, W. J., Fazio, G., Gaipa, G., Biondi, A., Tibshirani, et al
2018; 24 (4): 474–83
 - **Single-cell developmental classification of B cell precursor acute lymphoblastic leukemia at diagnosis reveals predictors of relapse** *NATURE MEDICINE*
Good, Z., Sarno, J., Jager, A., Samusik, N., Aghaepour, N., Simonds, E. F., White, L., Lacayo, N. J., Fantl, W. J., Fazio, G., Gaipa, G., Biondi, A., Tibshirani, et al
2018; 24 (4): 474–+
 - **The Significance of Dim Cytoplasmic CD3 Expression in Acute Myeloid Leukemia: A Long-Term Retrospective Study Identifies an Association with Acute Promyelocytic Leukemia with FLT3-ITD Mutations**
Kumar, J., Nagy, A., Lacayo, N., Gotlib, J., Zehnder, J. L., Ohgami, R.
NATURE PUBLISHING GROUP.2018: 529

- **The Significance of Dim Cytoplasmic CD3 Expression in Acute Myeloid Leukemia: A Long-Term Retrospective Study Identifies an Association with Acute Promyelocytic Leukemia with FLT3-ITD Mutations**
Kumar, J., Nagy, A., Lacayo, N., Gotlib, J., Zehnder, J. L., Ohgami, R.
NATURE PUBLISHING GROUP.2018: 529
- **Niclosamide suppresses acute myeloid leukemia cell proliferation through inhibition of CREB-dependent signaling pathways** *ONCOTARGET*
Chae, H., Cox, N., Dahl, G. V., Lacayo, N. J., Davis, K. L., Capolicchio, S., Smith, M., Sakamoto, K. M.
2018; 9 (4): 4301–17
- **Improved outcomes for myeloid leukemia of Down syndrome: a report from the Children's Oncology Group AAML0431 trial.** *Blood*
Taub, J. W., Berman, J. N., Hitzler, J. K., Sorrell, A. D., Lacayo, N. J., Mast, K., Head, D., Raimondi, S., Hirsch, B., Ge, Y., Gerbing, R. B., Wang, Y., Alonzo, et al
2017
- **The Significance of CD56 Expression and the RAM Immunophenotype, a Recurrent Immunophenotype Seen in Children, in Adult Acute Myeloid Leukemia**
Lazzareschi, D., Cherry, A., Zehnder, J., Gotlib, J., Arber, D. A., Lacayo, N., Ohgami, R.
NATURE PUBLISHING GROUP.2017: 358A–359A
- **The Significance of Morphologic Dysplasia in 432 Cases of Acute Lymphoblastic Leukemia and Acute Leukemia of Ambiguous Lineage: Correlation with Cytogenetic, Immunophenotypic, and Molecular Findings**
Segal, J., Dahl, G., Lacayo, N., Gotlib, J., Ohgami, R.
NATURE PUBLISHING GROUP.2017: 376A
- **A Detailed Multi parameter Flow Cytometry Study of 365 Cases of B-Lymphoblastic Leukemia with Subtyping According to the 2016 WHO: A Single Institutional Study**
Segal, J., Lacayo, N., Gotlib, J., Ohgami, R.
NATURE PUBLISHING GROUP.2017: 376A
- **Detailed Multiparameter Flow Cytometry Study of 365 Cases of B-Lymphoblastic Leukemia with Subtyping According to the 2016 WHO: A Single Institutional Study**
Segal, J., Lacayo, N., Gotlib, J., Ohgami, R.
NATURE PUBLISHING GROUP.2017: 376A
- **The Significance of Morphologic Dysplasia in 432 Cases of Acute Lymphoblastic Leukemia and Acute Leukemia of Ambiguous Lineage: Correlation with Cytogenetic, Immunophenotypic, and Molecular Findings**
Segal, J., Dahl, G., Lacayo, N., Gotlib, J., Ohgami, R.
NATURE PUBLISHING GROUP.2017: 376A
- **The Significance of CD56 Expression and the RAM Immunophenotype, a Recurrent Immunophenotype Seen in Children, in Adult Acute Myeloid Leukemia**
Lazzareschi, D., Cherry, A., Zehnder, J., Gotlib, J., Arber, D. A., Lacayo, N., Ohgami, R.
NATURE PUBLISHING GROUP.2017: 358A–359A
- **Phase I Study of Selinexor, a Selective Inhibitor of Nuclear Export, in Combination With Fludarabine and Cytarabine, in Pediatric Relapsed or Refractory Acute Leukemia** *JOURNAL OF CLINICAL ONCOLOGY*
Alexander, T. B., Lacayo, N. J., Choi, J. K., Ribeiro, R. C., Pui, C., Rubnitz, J. E.
2016; 34 (34): 4094-?
- **Small molecule inhibition of cAMP response element binding protein in human acute myeloid leukemia cells.** *Leukemia*
Mitton, B., Chae, H., Hsu, K., Dutta, R., Aldana-Masangkay, G., FERRARI, R., Davis, K., Tiu, B. C., Kaul, A., Lacayo, N., Dahl, G., Xie, F., Li, et al
2016
- **Replication factor C3 is a CREB target gene that regulates cell cycle progression through the modulation of chromatin loading of PCNA** *LEUKEMIA*
Chae, H., Mitton, B., Lacayo, N. J., Sakamoto, K. M.
2015; 29 (6): 1379-1389
- **Improvement in Treatment Outcome and Identification of a New Prognostic Parameter in Down Syndrome Acute Myeloid Leukemia (DS-AML): Results of the Children's Oncology Group (COG) Phase III AAML0431 Trial**
Taub, J. W., Berman, J. N., Hitzler, J. K., Sorrell, A. D., Lacayo, N. J., Mast, K., Head, D. R., Raimondi, S. C., Hirsch, B. A., Gerbing, R. B., Alonzo, T. A., Campana, D., Coustan-Smith, et al
AMER SOC HEMATOLOGY.2014

- **Altered resting state functional connectivity in young survivors of acute lymphoblastic leukemia.** *Pediatric blood & cancer*
Kesler, S. R., Gugel, M., Pritchard-Berman, M., Lee, C., Kutner, E., Hosseini, S. M., Dahl, G., Lacayo, N.
2014; 61 (7): 1295-1299
- **Development and validation of a single-cell network profiling assay-based classifier to predict response to induction therapy in paediatric patients with de novo acute myeloid leukaemia: a report from the Children's Oncology Group** *BRITISH JOURNAL OF HAEMATOLOGY*
Lacayo, N. J., Alonzo, T. A., Gayko, U., Rosen, D. B., Westfall, M., Purvis, N., Putta, S., Louie, B., Hackett, J., Cohen, A. C., Cesano, A., Gerbing, R., Ravindranath, et al
2013; 162 (2): 250-262
- **Prognostic features in acute megakaryoblastic leukemia in children without Down syndrome: a report from the AML02 multicenter trial and the Children's Oncology Group Study POG 9421** *LEUKEMIA*
O'Brien, M. M., Cao, X., Pounds, S., Dahl, G. V., Raimondi, S. C., Lacayo, N. J., Taub, J., Chang, M., Weinstein, H. J., Ravindranath, Y., Inaba, H., Campana, D., Pui, et al
2013; 27 (3): 731-734
- **COMPARISON OF HIGH-THROUGHPUT SEQUENCING AND FLOW CYTOMETRY FOR MEASURING MINIMAL RESIDUAL DISEASE IN PEDIATRIC ACUTE LYMPHOBLASTIC LEUKEMIA: A CHILDREN'S ONCOLOGY GROUP COHORT**
Gawad, C., Borowitz, M., Dahl, G., Devidas, M., Faham, M., Moorhead, M., Wood, B., Zheng, J., Loh, M., Lacayo, N.
SPRINGER.2013: S23-S24
- **AKT Signaling as a Novel Factor Associated with In Vitro Resistance of Human AML to Gemtuzumab Ozogamicin** *PLOS ONE*
Rosen, D. B., Harrington, K. H., Cordeiro, J. A., Leung, L. Y., Putta, S., Lacayo, N., Laszlo, G. S., Gudgeon, C. J., Hogge, D. E., Hawtin, R. E., Cesano, A., Walter, R. B.
2013; 8 (1)
- **Massive evolution of the immunoglobulin heavy chain locus in children with B precursor acute lymphoblastic leukemia** *BLOOD*
Gawad, C., Pepin, F., Carlton, V. E., Klinger, M., Logan, A. C., Miklos, D. B., Faham, M., Dahl, G., Lacayo, N.
2012; 120 (22): 4407-4417
- **Comparison of High-Throughput Sequencing and Flow Cytometry for Measuring Minimal Residual Disease in Pediatric Acute Lymphoblastic Leukemia: A Children's Oncology Group Cohort** *54th Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*
Gawad, C., Borowitz, M. J., Dahl, G. V., Devidas, M., Faham, M., Moorhead, M., Wood, B. L., Zheng, J., Loh, M. L., Lacayo, N. J.
AMER SOC HEMATOLOGY.2012
- **Assessing signaling pathways associated with in vitro resistance to cytotoxic agents in AML** *LEUKEMIA RESEARCH*
Rosen, D. B., Cordeiro, J. A., Cohen, A., Lacayo, N., Hogge, D., Hawtin, R. E., Cesano, A.
2012; 36 (7): 900-904
- **Circular RNAs Are the Predominant Transcript Isoform from Hundreds of Human Genes in Diverse Cell Types** *PLOS ONE*
Salzman, J., Gawad, C., Wang, P. L., Lacayo, N., Brown, P. O.
2012; 7 (2)
- **Next-Generation Sequencing of Immunoglobulin Heavy Chain Variable Region in Diagnostic Samples of Pediatric Acute Lymphoblastic Leukemia Identifies Hundreds of Clonal Subpopulations with Multiple Immunophenotypes** *53rd Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*
Gawad, C., Faham, M., Willis, T., Moorhead, M., Carlton, V., Zheng, J., Klinger, M., Dahl, G. V., Lacayo, N. J.
AMER SOC HEMATOLOGY.2011: 624-24
- **Dorsolateral Midbrain MRI Abnormalities and Ocular Motor Deficits Following Cytarabine-Based Chemotherapy for Acute Myelogenous Leukemia** *JOURNAL OF NEURO-OPHTHALMOLOGY*
Doan, T., Lacayo, N., Fisher, P. G., Liao, Y. J.
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