

**MEENAKSHI DEVIDAS**

Dept. of Biostatistics  
Colleges of Medicine, Public Health & Health Professions  
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**WORK EXPERIENCE**

**Research Professor and Program Director, Children's Oncology Group University of Florida:** July 2014 – Present

**Group Statistician, Children's Oncology Group:** August 2013-January 2016

**Principal Investigator, Coordinating Statistician:** October 2009 – Present

**Co-Principal Investigator & Associate Program Director:** March 2006 – October 2009

**Principal Investigator & Associate Program Director:** July 2002 – March 2006

**Children's Oncology Group Statistics and Data Center – Gainesville Branch, Department of Biostatistics, College of Medicine, University of Florida, Gainesville, Florida, USA.**

Children's Oncology Group (COG) is a National Cancer Institute (NCI) sponsored pediatric cancer clinical trials cooperative group, with over 200 institutional members from all over the USA, Canada, Europe and Australia.

- Supervise a staff of 21 comprising statistical, data management, database administrators, information technology, and administrative support staff. Responsible for all administrative, personnel and fiscal matters for the office.

**Affiliate Research Associate Professor, Department of Epidemiology and Biostatistics, College of Public Health, University of South Florida, Tampa, Florida:** 2011 – Present.

**Research Associate Professor & Associate Program Director:** July 2007 – July 2014

**Affiliate Research Associate Professor: Department of Epidemiology and Biostatistics, College of Public Health and Health Professions:** May 2008 - 2010

**Research Assistant Professor & Associate Program Director:** April 1998 – June 2007

**Children's Oncology Group Statistics and Data Center – Gainesville Branch, Department of Biostatistics, Colleges of Medicine and Public Health & Health Professions, University of Florida, Gainesville, Florida, USA.**

- Lead Statistician for frontline (newly diagnosed patients) Acute Lymphoblastic Leukemia (ALL) clinical trials. As the lead, have final responsibility for all decisions on statistical issues related to ALL trials. Coordinate ALL activities and projects with the study research coordinators, and statisticians. Newly diagnosed ALL constitutes a majority of all pediatric cancers diagnosed annually. These trials cumulatively accrue over 2000 patients annually.
- Resource Statistician for Bone Tumors including Ewing Sarcoma, and Osteosarcoma clinical trials.
- Work with group members (pediatric oncologists, pathologists, cytogeneticists) to submit new concepts for proposed pilot, Phase II and III clinical trials in above mentioned disease areas; to NCI. Develop study design, determine sample size requirements, and safety and efficacy monitoring rules, and data collection elements for proposed studies.
- Perform interim analyses to monitor ongoing studies for patient enrollment, accrual targets, and safety with respect to observed toxicities and other adverse events. Conduct interim data analyses for studies under the purview of the Data Safety and Monitoring Committees. Prepare bi-annual progress reports for open studies for the COG meeting books.

- Provide data analyses to investigators and help prepare abstracts to be presented at national and international conferences. Collaborate with COG researchers in preparing manuscripts for publication in peer reviewed journals.
- Member, Scientific Council (SC), Children's Oncology Group. Responsible for providing statistical reviews on trial concepts to COG leadership. The SC is responsible for reviewing concepts and ensuring that the various disease committees' research conform to group objectives and plans.

**Visiting Assistant in Statistics:** January 1998 - March 1998

**Pediatric Oncology Group - Statistical Office, Department of Statistics, University of Florida, Gainesville, Florida, USA**

Responsible for the design, data collection, monitoring, and analysis of Relapsed Acute Lymphoblastic Leukemia clinical trials, worked with clinicians in preparing abstracts and manuscripts for publication of results from these trials

**Assistant Professor of Preventive Medicine:** July 1993 - December 1997

**School of Medicine, University of Mississippi Medical Center, Jackson, Mississippi, USA.**

Responsibilities included teaching, methodological and collaborative research. Taught graduate courses in Research Design and Statistical Methods to doctoral students in Clinical Health Sciences. Provided consulting services to clinicians and other faculty members, and worked on individual and collaborative research projects. Provided statistical support for clinical projects in Obstetrics, Cardiovascular Surgery, Dentistry, Orthopedic Surgery, Anesthesiology, and Neurology. Analyzed and prepared a report on the Behavioral Risk Factors Surveillance System data on a contract for the Mississippi State Department of Health. Prepared a report on the 1995 Youth Risk Behavior Survey for the Mississippi Department of Education. Details on these two projects are given later. Was part of the Surveillance Committee for the Mississippi Breast and Cervical Cancer Prevention and Control Program of the Mississippi State Department of Health.

**Assistant Professor of Health Sciences:** July 1994 - December 1997

**School of Health Related Professions, University of Mississippi Medical Center, Jackson, Mississippi, USA.**

Taught courses in Research Design and Methodology to students in the Health Sciences including Occupational therapy, Clinical Laboratory Sciences, and Dental Hygiene.

**Adjunct Assistant Professor of Mathematics:** September 1991 - June 1993

**Department of Mathematics & Statistics, University of California, Los Angeles, California, USA.**

Taught upper division courses in Probability and Statistical theory and methods. Conducted individual and collaborative research with the other faculty.

**Research Assistant:** September 1989 - June 1991

**Department of Mathematical Sciences, University of Memphis, Memphis, Tennessee, USA.**

Worked with faculty on various research projects (including use of Generalized Logistic Models in Dose Response bioassay, and the Two-Stage model of Carcinogenesis for risk assessment).

**Teaching Assistant:** January 1985 - August 1989, September 1990 - June 1991

**Department of Mathematical Sciences, University of Memphis, Memphis, Tennessee, USA.**

Instructor for the three-semester Calculus series, and senior/graduate level courses in Statistical Methods.

**Intern:** September 1982 - May 1984

**Aeronautical Development Establishment, Bangalore, India**

Assisted researchers and did FORTRAN programming for defense projects associated with the flight simulator.

## EDUCATION

**Ph.D., University of Memphis, Memphis, TN, August 1991.**

Dissertation: "Parametric Modeling of Response Functions: Efficiency Studies and Computational Techniques."

Major: Applied Statistics

Minor: Computer Science

**M.S., University of Memphis, Memphis, TN, August 1986.**

Major: Applied Statistics

**M.B.A, Bangalore University, Bangalore, India, June 1982.**

Major: Marketing Management

**B.S., Bangalore University, Bangalore, India, May 1980.**

Majors: Mathematics, Physics, and Chemistry

## GRANTS

### ONGOING GRANTS

Children's Oncology Group Statistics and Data Center

Role: PI

1U10CA180899-01 (Devidas)

NIH/NCI

3/1/2014 – 02/28/2019

\$7,704,757 /yr

Testing Targeted Therapy in Philadelphia Chromosome-like (Ph-like) ALL (Hunger)

Role: Co-investigator on grant and PI on subcontract to UF

St Baldricks Foundation

7/1/2013-6/30/2018

\$156,063

Scientific Leadership: COG NCORP Research Base

Role: Co-investigator on grant and PI on subcontract to UF

Children's Hospital of Philadelphia

9/15/2014-7/31/2017

\$54,844

COG – AFLAC funding for Correlative Studies for Adolescents and Young Adults (AYA)

Role: Co-investigator on grant and PI on subcontract to UF

Children's Hospital of Philadelphia

1/1/2015-12/31/2017

\$74,892

Improving Risk Allocation and Developing Novel Therapies for Children with T-ALL

Role: Co-investigator on grant and PI on subcontract to UF

Children's Hospital of Philadelphia (NIH/NCI Primary)

5/4/2015-4/30/2020

\$8,465

Center for Precision Medicine in Leukemia (CPML)

Role: Co-Investigator on the grant and PI on the subcontract to UF

P50GM115279

St. Jude Children's Research Hospital (NIH/NIGMS Primary)

7/1/2015-6/30/2020

\$375,630

Web-based physical activity intervention for children with ALL (ZAMZEE)

Role: PI on subcontract to UF

St. Jude Children's Research Hospital (Ness)

7/1/2016-6/30/2021

\$89,421

Minimal Residual Disease ("MRD") Detection in Adult Acute Lymphoblastic Leukemia ("ALL") Project Plan

Role: PI on subcontract to University of Florida

Foundation for the National Institutes of Health, Inc.

9/13/2016-12/31/2017

\$33,007

## COMPLETED GRANTS

BIQSFP-AALL1131

Role: Co-investigator on grant and PI on subcontract to UF

Children's Hospital of Philadelphia

3/1/2016-2/28/2017

\$41,648

COG - Correlative Studies for Adolescents and Young Adults (AYA)

Role: Co-investigator on grant and PI on subcontract to UF

Foundation for the Children's Oncology Group

1/1/2015-12/31/2016

\$75,000

COG DTC UTC ANBL0032

Role: Co-investigator on grant and PI on subcontract to UF

Children's Hospital of Philadelphia

4/1/2015-10/31/2016

\$150,000

COG: BIQSFP- AALL08B1 MRD

Role: Co-Investigator on NCI grant and PI on subcontract to UF

NIH BIQSFP U10CA180886

Children's Hospital of Philadelphia (NIH Primary)

03/01/14-02/28/16

\$27,854

Incidence and Natural history of Osteonecrosis

Role: Co-Investigator on NCI grant and PI on subcontract to UF

NIH BIQSFP (Adamson)

Children's Hospital of Philadelphia (NIH Primary)

07/01/12-06/30/15

\$40,117/yr

PAAR4Kids - Pharmacogenomics of Anticancer Agents Research in Children (Relling)

Role: Co-Investigator on NCI grant and PI on subcontract to UF

U01 GM092666-01

NIH/NCI

7/1/2010-6/30/2015

\$81,503/yr

Support for Human Specimen Banking in NCI Sponsored Clinical Trials-(CGB)

Role: Co-investigator on grant and PI on subcontract to UF

Nationwide Children's Hospital (NIH/NCI Primary)

9/9/2014-3/31/2015

\$40,000

Replication profiling as a diagnostic tool in B-cell ALL

Role: Co-Investigator on NCI grant and PI on subcontract to UF

NIH R21 CA161666 (Gilbert)

NIH/NCI

12/07/12-11/30/14

\$15,101

Scientific Chairs: ALL statistics supplement

Role: Co-Investigator on NCI grant and PI on subcontract to UF

NIH U10 CA098543 (Adamson) Children's Hospital of Philadelphia (NIH Primary)	03/01/12-02/28/14 \$100,330/yr
Children's Oncology Group Statistics and Data Center Role: PI on subcontract to UF 5U10 CA98413 (Anderson) NIH/NCI	3/1/2008 – 02/28/2014 \$ 9,019,842
Identifying the Spectrum of Genetic Alterations in High Risk ALL (Mulligan) Role: Co-Investigator on NCI grant and PI on subcontract to UF NIH RC4 CA156329 NIH Director's Opportunity for Research in Five Thematic Areas (RC4)	8/31/2010-9/30/2013 \$11,966/yr
Recurrence testing of new genomic lesions in childhood Acute Lymphoblastic Leukemia (Loh) Role: Co-investigator on grant and PI on subcontract to UF St Baldricks Foundation	7/1/2011-6/31/2013 \$13,672/yr
Pharmacogenetic Determinants of Vincristine Toxicity and Response Role: Co-investigator on NCI grant and PI on subcontract to UF 1R01HD062484-01A1 (Renbarger) Indiana University (NIH Primary)	1/1/2010-12/31/2012 \$21,592
Improving Risk Stratification for Childhood ALL – Translating Discovery into Clinical Practice Role: Co-Investigator on NCI grant and PI on subcontract to UF 1RC2 CA148529-01 (Loh) NIH/NCI ARRA, Grand Opportunity grant	9/1/2009-8/31/2012 \$47,108/yr
Childhood Cancer TARGET: Tissue Collections and Characterization, Supplement to the Children's Oncology Group Grant Role: PI (multiple PIs) on NCI grant and PI on subcontract to UF 5U10 CA98543 (Reaman) NIH/NCI ARRA	9/1/2009-8/31/2012 \$50,099/yr
SCOR (Specialized Center of Research) in Targeted Therapies for Infant Leukemia Role: Co-investigator on grant, and PI on subcontract to Univ of Florida 24686-02-11 (Felix) Leukemia & Lymphoma Society	10/1/2006–9/30/2011 \$226,318
BPCA (Best Pharmaceuticals for Children Act) - Methotrexate Neurotoxicity in pediatric ALL Role: Co-investigator on NIH grant, and PI on subcontract to Univ of Florida 3 U10 CA098543-07S1 (Adamson) NIH/NICHHD	12/1/2005 - 2/28/2011 \$ 74,633/yr
Minimal Residual Disease In Pediatric All In Relation To Other Prognostic Factors Role: Co-investigator on NCI grant, and PI on subcontract to UF R01 CA086011 (Borowitz) NIH/NCI	12/1/2006 –7/31/2011 \$44,022
SPECS (Strategic Partnering To Evaluate Cancer Signatures) - Leukemia Signatures for Risk Classification & Targeting: Evaluation of Gene Expression Profiles for Risk Classification and Therapeutic Targeting in Acute Leukemia in Children and Adults Role: PI on subcontract to UF 1U01 CA114762 (Willman) NIH/NCI	7/1/2005 - 6/30/2010 \$ 493,869

BPCA (Best Pharmaceuticals for Children Act) - Pharmacokinetics of Daunomycin – correlations with BMI, age, race and ethnicity in children  
 Role: PI on subcontract to Univ of Florida  
 3 U10 CA098543-03S2 (Reaman) 12/1/2005 - 2/28/2010  
 NIH/NICHD \$ 120,898/yr

Pharmacogenomics of Childhood Leukemia (ALL)  
 Role: PI on subcontract to University of Florida  
 3 R37CA036401-25S1 (Evans) 9/26/2008 –9/25/2009  
 NIH \$51,666

Molecular Determinants of Methotrexate Metabolism in Acute Lymphoblastic Leukemia  
 Role: PI on subcontract to UF  
 R01 CA098152 (Barredo) 4/1/2004 – 3/31/2009  
 NIH/NCI \$ 39,054

Children’s Oncology Group Statistics and Data Center  
 Role: Co-PI on subcontract to UF  
 U10 CA98413-04 (Anderson) 3/1/2006 – 02/29/2008  
 NIH/NCI \$ 4,299,728

Children’s Oncology Group Statistics and Data Center  
 Role: PI on subcontract to UF  
 U10 CA98413-03 (Anderson) 1/1/2003 – 2/28/2006  
 NIH/NCI \$ 5,882,240

MRD in childhood Acute Lymphoblastic Leukemia using molecular techniques  
 Role: Co-Investigator on the grant and PI on subcontract to the University of Florida  
 R01 CA86026 (Willman) 6/28/2002 - 3/31/2005  
 NIH/NCI \$ 97,463

MRD in childhood Acute Lymphoblastic Leukemia using flow cytometry  
 Role: Co-Investigator on the grant and PI on subcontract to the University of Florida  
 R01 CA86011 (Borowitz) 6/28/2002-03/31/2005  
 NIH/NCI \$83,526

Pediatric Oncology Group Statistical Office  
 Role: Principle Investigator  
 U10 CA29139 (Devidas) 6/28/2002-12/31/2002  
 NIH/NCI \$1,109,744

Remote Data Entry supplement  
 Role: Principle Investigator (Devidas) 6/28/2002-12/31/2002  
 Foundation for the Children’s Oncology Group \$206,203

Remote Data Entry supplement  
 Role: Co-Investigator (Kepner) 1/1/2002 - 6/27/2002  
 Foundation for the Children’s Oncology Group \$206,203

Community Clinical Oncology Programs (CCOP)  
 Role: Co-Investigator on the grant and PI on the subcontract to UF  
 U10 CA37379 (Pollock) 6/1/2001 - 5/31/2002  
 NIH/NCI \$135,489

Phase I consortium grant

Role: Co-Investigator on the grant and PI on the subcontract to UF (Murphy)

7/1/1999 - 6/30/2002

NIH/NCI

\$ 224,650

Pediatric Oncology Group Statistical Office

Role: Co-Investigator

U10 CA29139 (Shuster)

1/1/1998 - 6/27/2002

NIH/NCI

\$9,987,695

## **PENDING GRANTS**

None

## **TEACHING**

Coordinate and co-teach a two part course in Design and Analysis of Clinical Trials for graduate students, fellows, and junior faculty from the Colleges in the Health Science Center at the University of Florida.

Faculty on the annual short -course Introduction to Clinical and Translational Research offered as part of the CTSI award to fellows and junior faculty in the Health Science Center, University of Florida.

Member of formal mentoring committees for three junior faculty in the Department of Biostatistics, University of Florida.

On an ongoing basis, educate Pediatric Oncologists, Pathologists, Pediatric Surgeons, Pediatric oncology fellows, Clinical Research Associates (CRA), and Nurses in the Children's Oncology Group (COG), on clinical trial design, data quality, interim monitoring rules for safety and efficacy, and power and sample-size calculations to meet study objectives.

Introduce and help train young / new investigators on clinical trials proposal and protocol development; teach them about study design, safety and efficacy monitoring. This enables them to read relevant published literature with a better understanding of the design and other statistical details, and to be better prepared to coordinate and run a Children's Oncology Group clinical trial.

Member of mentoring committees for Dr. Arlene Naranjo, and Dr. Xiaomin Lu (both Research Assistant Professors), in the Dept of Biostatistics, both are faculty statisticians for Neuroblastoma, Renal tumors, and Acute Lymphoblastic Leukemia (ALL) clinical trials in the Children's Oncology Group. Mentor them and teach them about efficient trial design, power calculations, safety monitoring, and group sequential monitoring for outcomes on clinical trials, also train them to write study progress and confidential data safety monitoring committee reports for the trials that are their primary responsibility, direct them on what is appropriate analyses to be conducted for publishing results of closed clinical trials. Worked with Dr. Lu on a novel trial phase II screening trial design which was presented at the annual meeting of the Society for Clinical Trials and was this past year incorporated into the latest clinical trial in development for relapsed Acute Lymphoblastic Leukemia (ALL). This has been submitted for publication.

Teach medical students / interns / fellows about the steps involved in conducting good research

including, specifying the study hypotheses/objectives, collection of critical data to answer study objectives, and statistical analyses of the data. Help them with research projects evolving either from COG clinical trials or from their own laboratory research.

Member of the graduate faculty 1998-present

Served as a member of PhD dissertation committee for two students in the Department of Biostatistics. Academic advisor for two MS students in the department.

Worked with four graduate students (Hui Zeng, Scott Gulig, Li Li, and Shanjun Helian) on a one-on-one basis on clinical trials design, group sequential monitoring for efficacy and futility, safety monitoring, disease-specific response evaluation; and the biology (cytogenetics, molecular/ genetic markers) of Acute Lymphoblastic Leukemia. All four are enrolled in the PhD program in Biostatistics at the University of Florida and are research assistants in the COG Statistics and Data Center. They work as Statisticians for clinical trials in Acute Lymphoblastic Leukemia. The research assistants provide data management and statistical support on various ongoing trials and biology projects.

Co-Chair and Member of dissertation committee of Alexia Makris, PhD candidate in the Department of Epidemiology & Biostatistics, University of South Florida, 2013

Give a two- part lecture on Statistical Methods as part of the Pediatric Fellowship Lecture Series in the Department of Pediatrics, College of Medicine, University of Florida

## REFEREED PUBLICATIONS

### Book Chapters

1. Smith, M., Devidas, M., Wheatley, K., Lock, RB, Hunsberger, S., *Childhood Leukemia, A Practical Handbook, Series: Pediatric Oncology*, Strategies for New Agent Development and Clinical Trial Considerations, Springer Berlin Heidelberg, January 2011, 215-241.
2. George, EO, Devidas, M., *Handbook of the Logistic Distribution*, Some Related Distributions, Marcel & Dekker, New York & Basel, 1992, 223--235.

### Journal Publications

1. Winick N, **Devidas M**, Chen S, Maloney K, Larsen E, Mattano L, Borowitz MJ, Carroll A, Gastier-Foster JM, Heerema NA, Willman C, Wood B, Loh ML, Raetz E, Hunger SP, Carroll WL. Impact of Initial CSF Findings on Outcome Among Patients With National Cancer Institute Standard- and High-Risk B-Cell Acute Lymphoblastic Leukemia: A Report From the Children's Oncology Group. *Journal of Clinical Oncology*. 2017 May 23;JCO2016714774. doi: 10.1200/JCO.2016.71.4774. [Epub ahead of print] PMID: 28535084
2. Reshmi SC, Harvey RC, Roberts KG, Stonerock E, Smith A, Jenkins H, Chen IM, Valentine M, Liu Y, Li Y, Shao Y, Easton J, Payne-Turner D, Gu Z, Tran TH, Nguyen JV, **Devidas M**, Dai Y, Heerema NA, Carroll AJ 3rd, Raetz EA, Borowitz MJ, Wood BL, Angiolillo AL, Burke MJ, Salzer WL, Zweidler-McKay PA, Rabin KR, Carroll WL, Zhang J, Loh ML, Mullighan CG, Willman CL, Gastier-Foster JM, Hunger SP. Targetable kinase gene fusions in high risk B-ALL:



- a study from the Children's Oncology Group. *Blood*. 2017 Apr 13. pii: blood-2016-12-758979. doi: 10.1182/blood-2016-12-758979. [Epub ahead of print] PubMed PMID: 28408464.
3. Karol SE, Larsen E, Cheng C, Cao X, Yang W, Ramsey LB, Fernandez CA, McCorkle JR, Paugh SW, Autry RJ, Lopez-Lopez E, Diouf B, Jeha S, Pui CH, Raetz EA, Winick NJ, Carroll WL, Hunger SP, Loh ML, **Devidas M**, Evans WE, Yang JJ, Relling MV. Genetics of ancestry-specific risk for relapse in acute lymphoblastic leukemia. *Leukemia*. 2017 Jan 18. doi: 10.1038/leu.2017.24. [Epub ahead of print] PubMed PMID: 28096535.
  4. Liu Y, Fernandez CA, Smith C, Yang W, Cheng C, Panetta JC, Kornegay N, Liu C, Ramsey LB, Karol SE, Janke LJ, Larsen EC, Winick N, Carroll WL, Loh ML, Raetz EA, Hunger SP, **Devidas M**, Yang JJ, Mullighan CG, Zhang J, Evans WE, Jeha S, Pui CH, Relling MV. Genome-wide study links PNPLA3 variant with elevated hepatic transaminase after acute lymphoblastic leukemia therapy. *Clinical Pharmacology and Therapeutics*. 2017 Jan 16. doi: 10.1002/cpt.629. [Epub ahead of print] PubMed PMID: 28090653.
  5. Zhang J, McCastlain K, Wu G, Li Y, Weil L, Iacobucci I, Liu Y, Qu C, Shao Y, Xu B, Wen J, Edmonson M, Payne-Turner D, Yoshihara H, Chang Y, Churchman M, Waanders E, Ntziachristos P, Aifantis I, Roberts K, Ma J, Song G, Easton J, Mulder H, Chen X, Newman S, Ma X, Rusch M, Gupta P, Boggs K, Vadodaria B, Dalton J, Liu Y, Valentine M, Ding L, Lu C, Fulton R, Fulton L, Tabib Y, Ochoa K, **Devidas M**, Pei D, Cheng C, Yang J, Evans W, Relling M, Pui C, Jeha S, Harvey R, Chen IM, Willman C, Marcucci C, Bloomfield C, Kohlschmidt J, Mrozek K, Paietta E, Tallman M, Stock W, Voorhees P, Foster MC, Racevskis J, Rowe J, Luger S, Kornblau S, Shurtleff S, Raimondi S, Mardis E, Wilson R, Hunger S, Loh M, Downing J, Mullighan C. St Jude Children's Research Hospital – Washington University Pediatric Cancer Genome Project. Deregulation of DUX4 and ERG in acute lymphoblastic leukemia. *Nature Genetics* 2016 Dec;48(12):1481-1489. doi: 10.1038/ng.3691. PubMed PMID: 27776115; PubMed Central PMCID: PMC5144107.
  6. Gu Z, Li Y, Liu Y, Reshmi S, Roberts K, Harvey RC, McCastlain K, Payne-Turner D, Churchman M, Iacobucci I, Shao Y, Easton J, Chen I-M, Valentine M, Mungall K, Mungall A, Ma Y, Moore R, Marra M, Stonerock E, Gastier-Foster J, **Devidas M**, Dai Y, Wood B, Borowitz M, Larsen E, Maloney K, Mattano LA Jr, Angiolillo A, Salzer W, Burke M, Rambaldi L, Spinelli O, Radich JP, Minden MD, Moorman AV, Patel BP, Fielding AK, Rowe JM, Luger S, Bhatia R, Aldoss I, Kohlschmidt J, Mrózek K, Marcucci G, Bloomfield CD, Stock W, Kornblau S, Kantarjian HM, Konopleva M, Paietta E, Willman CL, Gerhard DS, Loh M, Hunger S, Mullighan CG. Genomic analyses identify recurrent MEF2D Fusions in acute lymphoblastic leukemia. *Nature Communications*. 2016 Nov 8;7:13331. doi: 10.1038/ncomms13331. PubMed PMID: 27824051; PubMed Central PMCID: PMC5105166.
  7. Oshima K, Khiabani H, da Silva-Almeida AC, Tzoneva G, Abate F, Ambesi-Impiombato A, Sanchez-Martin M, Carpenter Z, Penson A, Perez-Garcia A, Eckert C, Nicolas C, Balbin M, Sulis ML, Kato M, Koh K, Paganin M, Basso G, Gastier-Foster JM, **Devidas M**, Loh ML, Kirschner-Schwabe R, Palomero T, Rabadan R, Ferrando AA. Mutational landscape, clonal evolution patterns and role of RAS mutations in relapsed acute lymphoblastic leukemia. *Proceedings National Academy Sciences of U S A*. 2016 Oct 4;113(40):11306-11311. PubMed PMID: 27655895; PubMed Central PMCID: PMC5056035.

8. Rau R, Carroll A, Heerema N, Arland L, Carroll W, Winick N, Raetz E, Loh M, Yang W, Relling M, Dai Y, **Devidas M**, Hunger S. Klinefelter Syndrome and 47,XYY Syndrome in Children With B Cell Acute Lymphoblastic Leukemia. *British Journal of Haematology*. 2016 Jul 19. doi: 10.1111/bjh.14258. [Epub ahead of print]. PMID: 27434379.
9. Rodriguez V, Kairalla J, Salzer W, Raetz E, Loh M, Carroll A, Heerema N, Wood BL, Borowitz M, Burke MM, Asselin B, **Devidas M**, Winick N, Carroll W, Draga S, Dreyer Z. A Pilot Study of Intensified PEG-Asparaginase in High Risk Acute Lymphoblastic Leukemia: Children's Oncology Group Study AALL08P1. *Journal of Pediatric Hematology Oncology*. 2016 Aug; 38(6):409-17. doi: 10.1097/MPH.0000000000000589. PMID: 27299599; PubMed Central PMCID: PMC4955695.
10. Liu C, Yang W, **Devidas M**, Cheng C, Pei D, Smith C, Carroll WL, Raetz EA, Bowman WP, Larsen EC, Maloney KW, Martin PL, Mattano LA Jr, Winick NJ, Mardis ER, Fulton RS, Bhojwani D, Howard SC, Jeha S, Pui CH, Hunger SP, Evans WE, Loh ML, Relling MV. Clinical and Genetic Risk Factors for Acute Pancreatitis in Patients with Acute Lymphoblastic Leukemia. *Journal of Clinical Oncology*. 2016 Jun 20;34(18):2133-40. doi: 10.1200/JCO.2015.64.5812. PubMed PMID: 27114598; PubMed Central PMCID: PMC4962704.
11. Larsen EC, **Devidas M**, Chen S, Salzer WL, Raetz EA, Loh ML, Mattano LA Jr, Cole C, Eicher A, Haugan M, Sorenson M, Heerema NA, Carroll AA, Gastier-Foster JM, Borowitz MJ, Wood BL, Willman CL, Winick NJ, Hunger SP, Carroll WL. Dexamethasone and High-Dose Methotrexate Improve Outcome for Children and Young Adults With High-Risk B-Acute Lymphoblastic Leukemia: A Report From Children's Oncology Group Study AALL0232. *Journal of Clinical Oncology*. 2016 Jul 10;34(20):2380-8. doi: 10.1200/JCO.2015.62.4544. PubMed PMID: 27114587; PubMed Central PMCID: PMC4981974.
12. Kunin-Batson AS, Lu X, Balsamo L, Graber K, **Devidas M**, Hunger SP, Carroll WL, Winick NJ, Mattano LA Jr, Maloney KW, Kadan-Lottick NS. Prevalence and predictors of anxiety and depression after completion of chemotherapy for childhood acute lymphoblastic leukemia: A prospective longitudinal study. *Cancer*. 2016 May 15;122(10):1608-17. doi: 10.1002/cncr.29946. PubMed PMID: 27028090; PubMed Central PMCID: PMC4860039.
13. Matlawska-Wasowska K, Kang H, **Devidas M**, Wen J, Harvey RC, Nickl CK, Ness SA, Rusch M, Li Y, Onozawa M, Martinez C, Wood BL, Asselin BL, Chen IM, Roberts KG, Baruchel A, Soulier J, Dombret H, Zhang J, Larson RS, Raetz EA, Carroll WL, Winick NJ, Aplana PD, Loh ML, Mullighan CG, Hunger SP, Heerema NA, Carroll AJ, Dunsmore KP, Winter SS. MLL rearrangements impact outcome in HOXA-deregulated T-lineage acute lymphoblastic leukemia: a Children's Oncology Group Study. *Leukemia*. 2016 Sep;30(9):1909-12. doi: 10.1038/leu.2016.60. PubMed PMID: 26952838; PubMed Central PMCID: PMC5014577.
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- on a Twice-Daily versus Once-Daily Dosing Schedule for Acute Lymphoblastic Leukemia: A Pediatric Oncology Group Study”, *Blood (Abstract)*, Nov 2004; **104**: 994.
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## TECHNICAL REPORTS / PROCEEDINGS

Has been responsible for over 35 biology and therapeutic clinical trials (Phase IIs, Pilots and Phase IIIs) in the Children’s Oncology Group covering Osteosarcomas, Ewing Sarcomas, Soft tissue sarcomas, and Acute Lymphoblastic Leukemias. Responsible for generating interim study progress reports, and confidential reports including interim safety and efficacy monitoring generated for the Data Safety Monitoring Committees.

George, E.O., **Sivaram, M.\*** (1986), “A Modification of the Fisher-Cornish Approximation for the Student t Percentiles,” *Report Series 86-15*, Department of Mathematical Sciences, University of Memphis. \* Name changed to Devidas in 1990

**Devidas, M.**, George, E.O., Zeltermann, D., (1993), “Generalized Logistic Models for Low-Dose Response Data,” *Supercomputer Institute Research Report #UMSI 93/56 April*, University of Minnesota.

**Devidas, M.**, Kepner, J.L. (1999), “Determining Sample Size for a Survival Analysis with Historical Controls,” *Technical Report # 614*, Department of Statistics, University of Florida.

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**Devidas, M.**, Kepner, J.L. (2003), “Use of Historical Controls in Randomized Comparative Studies,” *Technical Report # 2003-020*, Department of Statistics, University of Florida.

## PRESENTATIONS

### Invited International

1. **Devidas M.** Rare tumors, low marker prevalence, and pediatric oncology: Examples of real clinical trials. Invited Education session on Practical Considerations in the Design of Clinical Trials of Targeted Therapies and Immunotherapy, *American Society of Clinical Oncology 2014*.

2. **Devidas, M.** Randomized Phase II Trials, May 2013. *Invited Oral presentation at 24<sup>th</sup> Annual Meeting of the International Berlin-Frankfurt-Munster(BFM) Study Group, Kiel, Germany.*
3. **Devidas M.** Active risk-based therapy assignment for COG pediatric acute lymphoblastic leukemia clinical research studies using data from central reference laboratories and treating institutions. *Invited Session 27, A Real-time Electronic Remote Data Capture and Therapeutic Risk Group Communication System: From Central Laboratories to Individual Patient Treatment in Pediatric Cancer Clinical Trials, 2012. 33<sup>rd</sup> Annual Meeting of the Society for Clinical Trials, Miami, FL.*
4. **Devidas, M.** Statistical Issues when using MRD as a surrogate endpoint, April 2012. *Invited presentation at 23<sup>rd</sup> Annual Meeting of the International Berlin-Frankfurt-Munster (BFM) Study Group, Santiago, Chile.*
5. **Devidas, M.** Minimal Residual Disease (MRD) as a Surrogate Endpoint in Acute Lymphoblastic Leukemia (ALL), April 2012. *Invited presentation at Workshop Sponsored by the US Food & Drug Administration and American Society of Clinical Oncology, Washington DC.*
6. Lu X, **Devidas M**, Whitlock JA. Sequential randomized phase II screening trials, May 2010, *Rare Paediatric Tumour Clinical Trial Design Workshop, Birmingham, UK.*
7. Anderson, J.R., Ingram, K., Peters, T.W., **Devidas, M.**, (2006), "Electronic Data Capture: The Children's Oncology Group (COG) Experience," Continuing Education Session, *42<sup>nd</sup> Annual Meeting of the American Society of Clinical Oncology, Atlanta, GA.*

#### Contributed International

1. Leonard A Mattano, **Meenakshi Devidas**, Si Chen, Elizabeth Raetz, Mignon Loh, Naomi Winick, Stephen P Hunger, William L Carroll, Eric Larsen. Osteonecrosis (ON) is Associated with Improved Event Free Survival (EFS) in High-Risk Acute Lymphoblastic Leukemia (HR-ALL): Results of Children's Oncology Group (COG) Study AALL0232. October 2017, *49<sup>th</sup> Congress of the International Society of Paediatric Oncology (SIOP), Washington D.C. (oral presentation).*
2. Mike Burke, Wanda L Salzer, Si Chen, Meenakshi Devidas, Lia Gore, Joanne Hilden, Eric Larsen, Elizabeth Raetz, Naomi Winick, William L. Carroll, Stephen P. Hunger, Mignon Loh. Substitution with Cyclophosphamide and Etoposide Does Not Improve Outcome for Children and Young Adults with Very High Risk B-Lymphoblastic Leukemia: Children's Oncology Group Study AALL1131. *October 2017, 49<sup>th</sup> Congress of the International Society of Paediatric Oncology (SIOP), Washington D.C. (oral presentation).*
3. Daniel J. Zheng, Xiaomin Lu, Wilhelmenia L. Ross, Anne L. Angiolillo, Reuven Schore, Lyn M. Balsamo, **Meenakshi Devidas**, Moira K. Whitley, Nina S. Kadan-Lottick. Longitudinal Analysis of Auality of Life Outcomes in Children During Treatment for Acute Lymphoblastic Leukemia: a Report from the Children's Oncology Group (COG) AALL0932, June 2017. *53<sup>rd</sup> ASCO Annual Meeting.*

4. Mignon Loh, Elizabeth Raetz, **Meenakshi Devidas**, Yunfeng Dai, Michael Borowitz, Andrew Carroll, I Chen, Julie Gastier-Foster, Alison Friedmann, Richard Harvey, Nyla Heerema, Eric Larsen, Kelly Maloney, Leonard Mattano, Charles Mullighan, Karen Rabin, Shalini Reshmi, Kathryn Roberts, Cheryl Willman, Brent Wood, Patrick Zweidler-McKay, Jinghui Zhang, Naomi Winick, Stephen Hunger, William Carroll. Outcomes of Children, Adolescents, and Young Adults with Acute Lymphoblastic Leukemia Based on Blast Genetics at Diagnosis: A Report from the Children's Oncology Group. April 2017, *ASPHO 30<sup>th</sup> Annual Meeting*.
5. Mignon L Loh, Elizabeth Raetz, **Meenakshi Devidas**, Yunfeng Dai, Michael J Borowitz, Andrew J Carroll, I-Ming Chen, Julie M Gastier-Foster, Alison M Friedmann, Richard C Harvey, Nyla A Heerema, Eric Larsen, Yongjin Li, Kelly W Maloney, Leonard A Mattano, Charles G Mullighan, Karen R Rabin, Shalini C Reshmi, Kathryn G Roberts, Cheryl L Willman, Brent L Wood, Patrick Zweidler-McKay, Jinghui Zhang, Naomi Winick, Stephen Hunger, William L Carroll. Outcomes of Children, Adolescents, and Young Adults with Acute Lymphoblastic Leukemia Based on Blast Genotype at Diagnosis: A Report from the Children's Oncology Group, December 2016. *58th ASH Annual Meeting and Exposition*
6. Thomas B Alexander, Zhaohui Gu, John K Choi, Mignon L Loh, John Horan, Barbara Buldini, Giuseppe Basso, Sarah Elitzur, C Michel Zwaan, Valerie de Haas, Allen Eng Juh Yeoh, Dirk Reinhardt, Daisuke Tomizawa, Tim Lammens, Barbara De Moerloose, Li Zhou, Hiroki Hori, Anthony V Moorman, Andrew S Moore, Ondrej Hrusak, Soheil Meshinchi, Etan Orgel, **Meenakshi Devidas**, Stephen P Hunger, Jamie M Guidry Auvil, Malcolm A Smith, Tanja M Davidsen, Leandro C Hermida, Patee Gesuwan, Marco A Marra, Yussanne Ma, Andrew J Mungall, Richard Moore, Daniela S Gerhard, Xueyuan Cao, Lei Shi, Stanley Pounds, Hiroto Inaba, Charles Mullighan. Genomic Landscape of Pediatric Mixed Phenotype Acute Leukemia, December 2016. *58th ASH Annual Meeting and Exposition*
7. Mignon L Loh, Jinghui Zhang, Deqing Pei, Yunfeng Dai, Xiaotu Ma, **Meenakshi Devidas**, Michael Edmondson, Michael Rusch, Andrew J Carroll, I-Ming Chen, Julie Gastier-Foster, Richard C Harvey, Nyla A Heerema, Ilaria Iacobucci, Deborah Payne, Kelly W Maloney, Eric Larsen, Elizabeth Raetz, Cheryl L Willman, Naomi Winick, William L Carroll, Charles G Mullighan, Stephen P Hunger. Whole Exome Sequencing of Pediatric Acute Lymphoblastic Leukemia Patients Identify Mutations in 11 Pathways: A Report from the Children's Oncology Group, December 2016. *58th ASH Annual Meeting and Exposition*
8. Ingrid Ariës, Triona Ni Chonghaile, Salmaan Karim, Mina Jacob, Kristen E Stevenson, Donna S Neuberg, **Meenakshi Devidas**, Mignon Loh, Stephen Hunger, David T Teachey, Karen R Rabin, Stuart S Winter, Kimberly P Dunsmore, Brent L Wood, Lewis B Silverman, Stephen E Sallan, Birgit Knoechel, Pieter Van Vlierberghe, Anthony Letai, Alejandro Gutierrez. PRC2 Mutations Induce Resistance to Conventional Chemotherapy By Inhibiting Mitochondrial Apoptosis in T-Cell Acute Lymphoblastic Leukemia, December 2016. *58th ASH Annual Meeting and Exposition*
9. Sumit Gupta, **Meenakshi Devidas**, Si Chen, Cindy Wang, Mignon L Loh, Elizabeth Raetz, Patrick Brown, Andrew J Carroll, Nyla A Heerema, Julie M Gastier-Foster, Kimberly P Dunsmore, Eric Larsen, Kelly Maloney, Leonard A Mattano, Stuart Winter, Naomi Winick,

- William L Carroll, Stephen Hunger, Michael J Borowitz, Brent L Wood. Minimal Residual Disease Assessment of Remission after Induction Therapy Is Superior to Morphologic Assessment for Risk Stratification in Childhood Acute Lymphoblastic Leukemia: A Report from the Children's Oncology Group (COG), December 2016. *58th ASH Annual Meeting and Exposition*
10. Maria Grazia Valsecchi, **Meenakshi Devidas**, Ausiliatrice Lucenti, Martin Schrappe, Giovanni Cazzaniga, Anja Moricke, Claus R Bartram, Georg Mann, William L Carroll, Eric Larsen, Naomi Winick, Giuseppe Basso, Valentino Conter, Martin Zimmermann, Stefan Sushu, Andrea Biondi, Stephen Hunger, Stefania Galimberti. Evaluation of Minimal Residual Disease As a Surrogate Endpoint for Event Free Survival in Childhood B-Lineage Acute Lymphoblastic Leukemia, December 2016. *58th ASH Annual Meeting and Exposition*
  11. Rina Nishii, Rebekah Baskin, Takaya Moriyama, Keito Hoshitsuki, Monika L Metzger, Gang Wu, **Meenakshi Devidas**, Wenjian Yang, Paige Tedrick, Emily Quinn, Julie M Gastier-Foster, Elizabeth Raetz, Eric Larsen, Paul L Martin, W Paul Bowman, Naomi Winick, Masatoshi Takagi, Ching-Hon Pui, William E Evans, Jinghui Zhang, Mary V Relling, Stephen P Hunger, Charles Mullighan, Mignon L Loh, Kim E Nichols, Jun J Yang. Comprehensive Functional Characterization of Germline ETV6 Variants Associated with Inherited Predisposition to Acute Lymphoblastic Leukemia in Children, December 2016. *58th ASH Annual Meeting and Exposition*
  12. Brent L Wood, David Wu, Ilan M Kirsch, Beryl Crossley, David Williamson, Charles Gawad, Michael J Borowitz, **Meenakshi Devidas**, Kelly W Maloney, Eric Larsen, Naomi Winick, Elizabeth Raetz, William L Carroll, Stephen P Hunger, Mignon L Loh, Harlan Robins. Residual Disease Monitoring By High Throughput Sequencing Provides Risk Stratification in Childhood B-ALL and Identifies a Novel Subset of Patients Having Poor Outcome, December 2016. *58th ASH Annual Meeting and Exposition*
  13. Reuven J Schore, **Meenakshi Devidas**, Archie Bleyer, Gregory Reaman, Claudia Lebedinsky, Hui Zhang, Herwig Koppensteiner, Mignon L Loh, Elizabeth Raetz, Naomi Winick, William L Carroll, Stephen P Hunger, Anne Angiolillo. Anti-Pegaspargase, Anti-Calaspargase Pegol, and Anti-Polyethylene Glycol Antibody Incidence in High Risk Acute Lymphoblastic Leukemia Patients Receiving Pegaspargase or Calaspargase Pegol and Associated Anaphylactic or Hypersensitivity Reaction Rates: Results from Children's Oncology Group (COG) Study AALL07P4, December 2016. *58th ASH Annual Meeting and Exposition*
  14. Koichi Oshima, Hossein Khiabani, Ana C da Silva-Almeida, Gannie Tzoneva, Francesco Abate, Alberto Ambesi-Impiombato, Marta Sanchez-Martin, Zachary Carpenter, Alex Penson, Arianne Perez-Garcia, Cornelia Eckert, Concepción Nicolas, Milagros Balbin, Maria Luisa Sulis, Motohiro Kato, Katsuyoshi Koh, Maddalena Paganin, Giuseppe Basso, Julie M Gastier-Foster, **Meenakshi Devidas**, Mignon L Loh, Renate Kirschner-Schwabe, Teresa Palomero, Raul Rabadan, Adolfo A Ferrando. Mutational landscape, clonal evolution patterns, and role of RAS mutations in relapsed acute lymphoblastic leukemia, December 2016. *58th ASH Annual Meeting and Exposition*



15. A Oliver, Enrique I Ramos, Nipun Kakkar, Jacob J Junco, Jacquelyn Reuther, Anne Angiolillo, Reuven J Schore, Michael J Burke, Wanda Salzer, **Meenakshi Devidas**, Andrew J Carroll, Nyla A Heerema, Kelly Maloney, Naomi Winick, William L Carroll, Elizabeth Raetz, Mignon L Loh, Stephen P Hunger, Juhi Jain, Harsha Doddapaneni, Donna M Muzny, David A Wheeler, Kevin E Fisher, Dolores H Lopez-Terrada, Angshumoy Roy, Donald Williams Parsons, Karen R Rabin. Integrated Genomic Analysis of Down Syndrome Acute Lymphoblastic Leukemia Reveals Recurrent Cancer Gene Alterations and Evidence of Frequent Subclonal Driver Events, December 2016. *58th ASH Annual Meeting and Exposition*
16. Michelle L Churchman, Maoxiang Qian, Ranran Zhang, Geertruy Kronnie, Wenjian Yang, Hui Zhang, Tobia Lana, Paige Tedrick, Rebekah Baskin, Katherine Verbist, **Meenakshi Devidas**, Elizabeth Raetz, Eric Larsen, Paul L Martin, W Paul Bowman, Naomi Winick, Elaine R Mardis, Robert S Fulton, Martin Stanulla, William E Evans, Mary V Relling, Ching-Hon Pui, Rupert Handgretinger, Stephen P Hunger, Mignon L Loh, Kim E Nichols, Charles Mullighan, Jun J Yang. Germline Genetic Variation in IKZF1 and Predisposition to Childhood Acute Lymphoblastic Leukemia, December 2016. *58th ASH Annual Meeting and Exposition*
17. Kang H, Sharma N, Nickl CK, Ness S, **Devidas M**, Wood BL, Asselin BL, Raetz E, Carroll WL, Winnick N, Loh ML, Hunger SP, Heerema NA, Carroll AJ, Dunsmore KP, Larson RS, Winter SS, Matlawska-Wasowska K. New Insights into Deregulated Gene Expression Pathways in MLL- and AF10-Rearranged T-Lineage Acute Lymphoblastic Leukemia, December 2016. *58th ASH Annual Meeting and Exposition*
18. KW Maloney, A Friedmann, **M Devidas**, L Mattano, P Budkley, MJ Borowitz, AJ Carroll, JM Gastier-Foster, NA Heerema, N Kadan-Lottick, ML Loh, YH Matloub, DT Marshall, L Stork, EA Raetz, B Wood, NJ Winick, SP Hunger, WL Carroll. Very Favorable Complete Continuous Remission (CCR) and Overall Survival (OS) for Standard-Risk High (SRH) Acute Lymphoblastic Leukemia (ALL) Patients Treated on Cog AALL0331, October 2016. *48th Congress of the International Society of Paediatric Oncology (SIOP)*
19. I Kirsch, C Beryl, W David, C Gawad, B Wood, M Borowitz, **M Devidas**, K Maloney, E Larson, N Winick, E Raetz, W Carroll, S Hunger, M Loh, H Robins. High Throughput Sequencing as a Measure of Early Response to Therapy in Childhood ALL, October 2016. *48th Congress of the International Society of Paediatric Oncology (SIOP)*
20. W Slayton, K Schultz, B Chang, J Kairalla, **M Devidas**, J Gastier-Foster, E Raetz, M Loh, L Silverman, N Winick, W Carroll, K Schultz, S Hunger. BCR/ABL1 Point Mutations are Uncommon in Children with Ph plus Acute Lymphoblastic Leukemia Receiving Dasatinib Plus Multiagent Chemotherapy: A Report from Children's Oncology Group Trial AALL0622, October 2016. *48th Congress of the International Society of Paediatric Oncology (SIOP)*
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  45. Slayton WB, Schultz KR, Jones T, Raetz E, **Devidas M**, Pulsipher MA, Loh M, Chang BH, Carroll WL, Borowitz MJ, Silverman LB, Brown VI, Winick N, Carroll AJ, Heerema NA, Gastier-Foster JM, Wood BL, Mizrahy SL, Merchant TE, Hunger SP. Continuous Dose Dasatinib Is Safe and Feasible in Combination with Intensive Chemotherapy in Pediatric Philadelphia Chromosome Positive Acute Lymphoblastic Leukemia (Ph<sup>+</sup> ALL): Children's Oncology Group (COG) Trial AALL0622, 2012. *54<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA* (Oral presentation).
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128. Matloub, Y, Gaynon, PS., Jayabose, S, Bostrom, BC., Hunger, SP., Angiolillo, AL, **Devidas, M**, Linda, SB, Carroll, WL., Winick, N, Sather, H, Pine, SR, (2008), "Bone Marrow (BM) Minimal Residual Disease (MRD) at End of Induction and Interim Maintenance Is Highly Predictive of Outcome in Children with Standard Risk (SR) Acute Lymphoblastic Leukemia (ALL) Treated on the Children's Oncology Group Study 1991," ASH Annual Meeting Abstracts 2008 112: 701, *50<sup>th</sup> Annual meeting of the American Society of Hematology, San Francisco, CA.*
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130. Messinger, YH, Higgins, R, **Devidas, M**, Hunger, SP., Carroll, AJ., Heerema, NA., (2008), "Acute Lymphoblastic Leukemia (ALL) with t(8;14)(q11.2;q32): B-Lineage Disease with High Proportion of Down Syndrome. A Children's Oncology Group (COG) Study," ASH Annual Meeting Abstracts 2008 112: 1477, *50<sup>th</sup> Annual meeting of the American Society of Hematology, San Francisco, CA.*
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132. Czuchlewski, DR., Harvey, RC., Chen, I, Bourguet-Vincent, A, Rodgers, B, Vestal, R, Ar, K, Kang, H, Wilson, CS., Larsen, EC., Hunger, SP., Loh, M., **Devidas, M**, Raetz, E, Reaman, G, Carroll, WL., Winick, N, Willman, CL. "Quantitative RT-PCR for Expression of a Small Subset of Genes Identifies Novel Prognostic Subgroups in High-Risk Pediatric Precursor B-Cell Acute Lymphoblastic Leukemia (HR-ALL): Clinical Applicability of Gene Expression

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133. Hunger, SP, **Devidas, M.**, Camitta, BM, Gaynon, PS, Winick, N., Reaman, GH, Carroll, WL. "Improved Survival for children with Acute Lymphoblastic Leukemia (ALL) from 1990-2005: A report from the Children's Oncology Group (COG)," *2008, 40<sup>th</sup> Congress of the International Society of Paediatric Oncology (SIOP), Berlin, Germany.*
  134. Borowitz, M.J., **Devidas, M.**, Hunger, S.P., Carroll, A.J., Carroll, W.L., Linda, SB, Pullen, D.J., Willman, C.L., Winick, N., Camitta, B.M., " Prognostic Significance Of End Consolidation Minimal Residual Disease (MRD) In Childhood Acute Lymphoblastic Leukemia(All): A Report From The Children's Oncology Group," *2008, 44<sup>th</sup> Annual Meeting of the American Society of Clinical Oncology, Chicago, IL.*
  135. Dunsmore, K.P, **Devidas, M.**, Borowitz, M.J., Winick, N., Hunger, S.P., Carroll, W.L., Camitta, B.M., "Nelarabine in Combination with Intensive Modified BFM AALL00P2 a Pilot Study for the Treatment of High Risk T-ALL A Report from the Children's Oncology Group," *2008, 44<sup>th</sup> Annual Meeting of the American Society of Clinical Oncology, Chicago, IL.*
  136. Maloney, K., Carroll, W.L., Carroll, A.J., **Devidas, M.**, Hunger, S.P., Martin, P.L., Willman, C.L., Winick, N., Whitlock, J., Camitta, B.M., "The Biology of Down Syndrome (DS) Acute Lymphoblastic Leukemia (ALL) differs from that of non-DS ALL: Children's Oncology Group (COG) study P9900," *2008, 44<sup>th</sup> Annual Meeting of the American Society of Clinical Oncology, Chicago, IL.*
  137. Asselin, B.L, **Devidas, M.**, Camitta, BM., Lipshultz, S., " Dexrazoxane (Dzr, Zinecard<sup>tm</sup>) can be added safely to Intensive Multi-agent Chemotherapy in patients with T-ALL and T-NHL," *2008, 21<sup>st</sup> Annual Meeting of the American Society of Pediatric Hematology Oncology, Cincinnati, OH.*
  138. Martin, P.L, Winick, N., **Devidas, M.**, Shuster, J., Borowitz, M.J., Bowman, P., Larsen, E., Pullen, J., Hunger, S.P., Carroll, W.L., Camitta, B.M., "Equivalent Outcomes with 4hr vs 24hr IV Methotrexate (MTX) Infusions During Intensification Therapy for Childhood ALL: POG 9904/9905: A Children's Oncology Group Study (COG)," *2008, 21<sup>st</sup> Annual Meeting of the American Society of Pediatric Hematology Oncology, Cincinnati, OH.*
  139. Maloney, K, Larsen, E., Mattano, L., Friedmann, A., **Devidas, M.**, Sather, M., Whitlock, J., Hunger, S.P., Winick, N., Carroll, W.L., " Improvement in the Infection-related Mortality for Children with Down Syndrome (DS) in Contemporary Children's Oncology Group (COG) Acute Lymphoblastic Leukemia (ALL) Clinical Trials," *2008, 21<sup>st</sup> Annual Meeting of the American Society of Pediatric Hematology Oncology, Cincinnati, OH.*
  140. Mulligan, C.G, Su, X., Ma, J., Yang, W., Relling, M.V., Carroll, W.L., Reaman, G., Bowman, P., **Devidas, M.**, Hunger, S, Downing, J.R., "Genome-Wide Profiling of High-Risk Pediatric Acute Lymphoblastic Leukemia (ALL): The ALL Pilot Project for the Therapeutically Applicable Research To Generate Effective Treatments (TARGET) Initiative," *2007, 49<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.*

141. Winick, N., Martin, P.L., **Devidas, M.**, Shuster, J., Borowitz, M.J., Bowman, P., Larsen, E., Pullen, J., Hunger, S.P., Carroll, W.L., Camitta, B.M. "Delayed Intensification (DI) Enhances Event-Free Survival (EFS) of Children with B-Precursor Acute Lymphoblastic Leukemia (ALL) Who Received Intensification Therapy with Six Courses of Intravenous Methotrexate (MTX): POG 9904/9905: A Children's Oncology Group Study (COG)," 2007, 49<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.
142. Yang, J., Bhojwani, D., Yang, W., Fan, Y., **Devidas, M.**, Hunger, S.P., Willman, C., Raetz, E., Relling, M.V., Carroll, W.L., "Genome-Wide Profiling Reveals Recurring Molecular Defects in Relapsed Childhood Acute Lymphoblastic Leukemia (ALL): A Children's Oncology Group Study," 2007, 49<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.
143. Loh, M.L., Raetz, E., **Devidas, M.**, Linda, S.B., Borowitz, M.J., Carroll, A.J., Chen, I.L., Gastier-Foster, J.M., Heerema, N.A., Harvey, R.C., Larsen, E., Maloney, K., Willman, C.L., Winick, N., Wood, B., Hunger, S.P., Carroll, W.L., "Early Response to Therapy Is Significantly Associated with Genetic Subtype of Acute Lymphoblastic Leukemia: A Report from the Children's Oncology Group," 2007, 49<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.
144. Trevino, L.R., Yang, W., Hunger, S.P., Carroll, W.L., **Devidas, M.**, Willman, C.L., Downing, J., Evans, W.E., Pui, C.H., Relling, M.V., "Children with t(12;21)/TEL-AML1-Positive Acute Lymphoblastic Leukemia Exhibit a Distinct Germline Genomic Signature," 2007, 49<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.
145. Gaynon, P.S., Camitta, B.M., Matloub, Y., Martin, P.L., Winick, N., Seibel, N.L., Bowman, P., Sather, H.N., **Devidas, M.**, Hunger, S.P., Carroll, W.L., "Outcomes for B-Precursor Patients in Legacy Children's Cancer Group (CCG) and Pediatric Oncology Group (POG) Studies in Childhood Acute Lymphoblastic Leukemia (ALL): A Children's Oncology Group (COG) Report," 2007, 49<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.
146. Carson, TY (r), Bell, B.A., Erdmann, G., Bostrom, B., Camitta, B.M., **Devidas, M.**, "Possible Advantage of Twice-Daily 6-Mercaptopurine Dosing in Children with Acute Lymphoblastic Leukemia (ALL)," 2007, 49<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.
147. Kang, H., Bedrick, E.J., Chen, I., Wilson, C.S., Atlas, S.R., Harvey, R.C., Hunger, S.P., **Devidas, M.**, Borowitz, M.J., Bowman, P., Carroll, W.L., Camitta, B.M., Reaman, G.H., Willman, C.L., "Molecular Classifiers for Prediction of Minimal Residual Disease (MRD) and Event Free Survival (EFS) Improve Risk Assignment at Diagnosis in Pediatric High-Risk B Precursor Acute Lymphoblastic Leukemia (ALL): A Children's Oncology Group Study," 2007, 49<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.
148. Harvey, R.C., Davidson, G.S. Wang, X., Dobbin, K.K., Bedrick, E.J., Wilson, C.S., Atlas, S.R., Kang, H., Chen, I., Hunger, S.P., **Devidas, M.**, Carroll, W.L., Bowman, P., Camitta, B.M., Reaman, G.H., Willman, C.L., "Expression Profiling Identifies Novel Genetic Subgroups with Distinct Clinical Features and Outcome in High-Risk Pediatric Precursor B Acute Lymphoblastic Leukemia (B-ALL). A Children's Oncology Group Study," 2007, 49<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.

149. Schultz, K.R., Bowman, W.P., Slayton, W., Aledo, A., **Devidas, M.**, Sather, H.N., Borowitz, M.J., Davies, S.M., Trigg, M., Pasut, B., Jorstad, D., Eslinger, T., Burden L.E., Wang, C., Rutledge, R., Gaynon, P.S., Carroll, A.J., Heerema, N.A., Winick, N., Hunger, S.P., Carroll, W.L., Camitta, B.M., "Improved Early Event Free Survival (EFS) in Children with Philadelphia Chromosome-Positive (Ph+) Acute Lymphoblastic Leukemia (ALL) with Intensive Imatinib in Combination with High Dose Chemotherapy: Children's Oncology Group (COG) Study AALL0031,"(PLENARY SESSION) 2007, 49<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.
150. Reaman, G.H., **Devidas, M.**, "ALL in infants: The COG strategy and plans," 2007, 39<sup>th</sup> Congress of the International Society of Paediatric Oncology (SIOP), Mumbai, India.
151. Dreyer, Z., Dinndorf, P., Hilden, J., Sather, H., Sanders, J., **Devidas, M.**, Reaman, G., Camitta, B.M., "Hematopoietic Stem Cell Transplant (HSCT) vs Intensive chemotherapy in Infant Acute Lymphoblastic Leukemia (ALL)," 2007 43<sup>rd</sup> Annual Meeting of the American Society of Clinical Oncology, Chicago, IL.
152. Schultz, K.R., Pullen, J., Sather, H., Shuster, J., **Devidas, M.**, Borowitz, M., Carroll, A.J., Heerema, N.A., Loh, M., Raetz, E., Winick, N., Hunger, S.P., Carroll, W.L., Gaynon, P., Camitta, B.M., "Biology-Driven Classification Of Childhood Acute Lymphoblastic Leukemia: A Combined Analysis Of Prognostic Markers From The Pediatric Oncology Group (POG) And Children's Cancer Group (CCG)," 2006, 48<sup>th</sup> Annual Meeting of the American Society of Hematology, Orlando, FL.
153. Borowitz, M.J., **Devidas, M.**, "Prognostic Significance Of Minimal Residual Disease (MRD) In Childhood B-Precursor All And Its Relation To Other Risk Factors. A Childrens Oncology Group (COG) Study," 2006, 48<sup>th</sup> Annual Meeting of the American Society of Hematology, Orlando, FL.
154. Winick, N., Borowitz, M.J., **Devidas, M.**, "Changes in the Delivery of Standard Chemotherapeutic Agents during Induction Affect Early Measures of Minimal Residual Disease (MRD): POG 9900 for Patients with B-Precursor Low and Standard Risk ALL," 2006, 48<sup>th</sup> Annual Meeting of the American Society of Hematology, Orlando, FL.
155. Maloney, K., Larsen, E., Mattano, L.A., Friedmann, A.M., **Devidas, M.**, Sather, H., Hunger, S.P., Winick, N., Carroll, W.L., "Increased Infection-related Mortality for Children with Down Syndrome (DS) in Contemporary Children's Oncology Group (COG) Acute Lymphoblastic Leukemia (ALL) Clinical Trials," 2006, 48<sup>th</sup> Annual Meeting of the American Society of Hematology, Orlando, FL.
156. Rubnitz, J., Wichlan, D., **Devidas, M.**, Shuster, J.J., Kurtzberg, J., Bell, B., Hunger, S.P., Chauvenet, A., Pui, Ching-Hon, Camitta, B.M., Pullen, J., "Prospective Analysis of *TEL* and *MLL* Gene Rearrangements in Childhood Acute Lymphoblastic Leukemia: a Children's Oncology Group Study," 2006, 48<sup>th</sup> Annual Meeting of the American Society of Hematology, Orlando, FL.
157. Eapen, M., Zhang, M.J., Raetz, E., **Devidas, M.**, Carroll, W.L., Ritchey, A.K., Barredo, J.C., Godder, K., Grupp, S.A., Lewis, V.A., Davies, S.M., Camitta, B.M., "Outcomes after HLA-matched sibling transplants or chemotherapy in children with acute lymphoblastic leukemia in a

- second remission after an isolated central nervous system relapse,” 2006, *48<sup>th</sup> Annual Meeting of the American Society of Hematology*, Orlando, FL.
158. Dunsmore K.P., Camitta, B.M., **Devidas, M.**, Borowitz, M., Winick, N., Hunger, S.P., Carroll, W.L., “Nelarabine can be safely incorporated into an intensive, multiagent chemotherapy regimen for the treatment of T-cell acute lymphocytic leukemia in children: a report of the Children’s Oncology Group AALL00P2 protocol for T-cell leukemia,” 2006, *48<sup>th</sup> Annual Meeting of the American Society of Hematology*, Orlando, FL.
159. Harrison, M (g), Bell, B., Chauvenet, A., Kurtzberg, J., Camitta, B.M., **Devidas, M.**, “Testicular relapse in lesser, standard, and high risk patients treated with frontline therapy for childhood ALL: Pediatric Oncology Group protocols 9201, 9405, 9605, and 9406,” 2006, *48<sup>th</sup> Annual Meeting of the American Society of Hematology*, Orlando, FL.
160. Raetz, E., Borowitz, M., **Devidas, M.**, Hunger, S.P., Winick, N., Camitta, B.M., Gaynon, P.S., Carroll, W.L. “Outcomes of children with first marrow relapse: results from Children’s Oncology Group study AALL01P2,” 2006, *48<sup>th</sup> Annual Meeting of the American Society of Hematology*, Orlando, FL.
161. Bell, B.A., Abish, S.B., Chauvenet, A., Kurtzberg, J., Pullen, J., **Devidas, M.**, Shuster, J., Camitta, B.M., “A report of the Event-Free Survival for children with Newly diagnosed Standard Risk Acute Lymphoblastic Leukemia (ALL) treated on Pediatric Oncology Group (POG) protocol 9605,” 2005, *47<sup>th</sup> Annual Meeting of the American Society of Hematology*, Atlanta, GA.
162. Rice, MA (g), Bell, B.A., Chauvenet, A., Kurtzberg, J., Abish, S.A., Pullen, J., **Devidas, M.**, Camitta, B.M., “Thrombotic and Hemorrhagic Events for patients on Pediatric Oncology Group protocols 9201, 9605, 9406,” 2005, *47<sup>th</sup> Annual Meeting of the American Society of Hematology*, Atlanta, GA.
163. Rhodes, S (g), Bell, B.A., Abish, S.B., Pullen, J., Chauvenet, A., Kurtzberg, J., **Devidas, M.**, Shuster, J., Camitta, B.M., “A report of the Event-Free Survival and Neurotoxicity for children with Newly diagnosed Standard Risk Acute Lymphoblastic Leukemia (ALL) on Pediatric Oncology Group (POG) protocol 9405,” 2005, *47<sup>th</sup> Annual Meeting of the American Society of Hematology*, Atlanta, GA.
164. Mehta, PA (f), Davies, S.M., Kumar, A., **Devidas, M.**, Lee, S., Wilke, T., Elliott, J., Villaneuva, J., Pullen, J., Zewge, Y., Filipovich, A.H., “Perforin Polymorphism A91V and susceptibility to childhood Acute Lymphoblastic Leukemia (ALL),” 2005, *47<sup>th</sup> Annual Meeting of the American Society of Hematology*, Atlanta, GA.
165. Borowitz, M.J, **Devidas, M.**, Bowman, W.P., Larsen, E., Pullen, J., Camitta, B.M., “Prognostic Significance of Minimal Residual Disease (MRD) in Children with Acute Lymphoblastic Leukemia (ALL),” 2005, *47<sup>th</sup> Annual Meeting of the American Society of Hematology*, Atlanta, GA.
166. Eapen, M., Raetz, E., Zhang, M., Muehlenbein, C., **Devidas, M.**, Abshire, T., Billett, A., Homans, A., Camitta, B.M., Carroll, W., Davies, S. “Outcomes after HLA-Matched Sibling Transplants or

- Chemotherapy in Children with Acute Lymphoblastic Leukemia in Second Remission: A Collaborative Study of the Children's Oncology Group (COG) and the Center for International Blood and Marrow Transplant Research (CIBMTR)," 2005, 47<sup>th</sup> Annual Meeting of the American Society of Hematology, Atlanta, GA.
167. Chang, M., **Devidas, M.**, Anderson, J, "Designs for Phase II Window Studies", 2005, *Joint Statistical Meetings*, Minneapolis, MN.
168. Chauvenet, A.R., Martin, P.L., Bell, B., Kurtzberg, J., Pullen, J., Shuster, J., **Devidas, M.**, Linda, S.B., Camitta, B. "Anti-Metabolite Therapy For Lesser Risk B-Lineage Acute Lymphoblastic Leukemia Of Childhood: Pediatric Oncology Group Study 9201", 2005, 37<sup>th</sup> Meeting of Societe Internationale D'Oncologie Pediatrique (*International Society of Paediatric Oncology*), Vancouver, Canada.
169. Chauvenet, A.R., Martin, P.L., Bell, B., Kurtzberg, J., Pullen, J., Shuster, J., **Devidas, M.**, Linda, S.B., Camitta, B. "Anti-Metabolite Therapy For Lesser Risk B-Lineage Acute Lymphoblastic Leukemia Of Childhood: Pediatric Oncology Group Study 9201", Selected for Platform Presentation at 2005, 18<sup>th</sup> Annual Meeting of the American Society of Pediatric Hematology Oncology, Washington, D.C.
170. Borowitz, M.J., **Devidas, M.**, Hunger, S.P., Carroll, W.L., Raetz, E., "Minimal Residual Disease(MRD) In Childhood Acute Lymphoblastic Leukemia(All) In Relapse -A Children's Oncology Group (COG) Study", 2004, 46<sup>th</sup> Annual Meeting of the American Society of Hematology, San Diego, CA.
171. Davies, S.M., Borowitz, M., **Devidas, M.**, Winick, N., Martin, P.L., Bowman, P., Elliott, J., Linda, S., Cook, E.H., Relling, M.V, "Pharmacogenetics of Minimal Residual Disease Response in Children with Acute Lymphoblastic Leukemia", 2004, 46<sup>th</sup> Annual Meeting of the American Society of Hematology, San Diego, CA.
172. Matloub, Y., Asselin, B.L., Stork, L.C., **Devidas, M.**, Sather, H., Nachman, J., Seibel, N., Carroll, W., Camitta, B., Gaynon, P.S. "Outcome of Children with T-Cell Acute Lymphoblastic Leukemia (T-ALL) and Standard Risk (SR) Features: Results of CCG-1952, CCG-1991 and POG 9404", 2004, 46<sup>th</sup> Annual Meeting of the American Society of Hematology, San Diego, CA.
173. Seibel, N.L., Asselin, B.L., Nachman, J.B., Steinherz, P., Camitta, B., **Devidas, M.**, Sather, H.N. "Treatment of High Risk T-cell Acute Lymphoblastic Leukemia (T-ALL): Comparison of Recent Experience of the Children's Cancer Group (CCG) and Pediatric Oncology Group (POG)", 2004, 46<sup>th</sup> Annual Meeting of the American Society of Hematology, San Diego, CA.
174. Chesley, R (f), Bell, B.A., **Devidas, M.**, Bostrom, B., Erdmann, G., Sterikoff, S., Camitta, B. "A Comparison of Hepatotoxicity and Neutropenia in Children Given Oral Mercaptopurine on a Twice-Daily versus Once-Daily Dosing Schedule for Acute Lymphoblastic Leukemia: A Pediatric Oncology Group Study", Poster presentation at 2004, 46<sup>th</sup> Annual Meeting of the American Society of Hematology, San Diego, CA.

175. Link, M.P., **Devidas, M.**, Murphy, S.B., Behm, F.G., Hutchison R., "Favorable treatment outcome of children with early stage large B-cell and anaplastic large cell lymphomas", 2004, *40<sup>th</sup> Annual Meeting of the American Society of Clinical Oncology*, New Orleans, LA.
176. Schwartz, C.L., Wexler, L.H., **Devidas, M.**, Goorin, A., Grier, H., Meyers, P., Bernstein, M., "P9754 Therapeutic intensification in non-metastatic Osteosarcoma: A COG trial", 2004, *40<sup>th</sup> Annual Meeting of the American Society of Clinical Oncology*, New Orleans, LA.
177. Varisco, BM. (f), Bell, BA., Pullen, J., Chauvenet, A., Kurtzberg, J., **Devidas, M.**, Camitta, BM., "The Prognostic Significance of Induction Day-15 Bone Marrow Aspirate (BMA) in Newly Diagnosed Childhood B-precursor Acute Lymphoblastic Leukemia (ALL): A Pediatric Oncology Group Study," 2004, *17<sup>th</sup> Annual meeting of the American Society for Pediatric Hematology Oncology*, San Francisco, CA.
178. Berg, SL., Blaney, SM., Bernstein, M., Kurtzberg, J., **Devidas, M.**, Lampkin, T., Murgo, A., Harris, MB., "Activity of Compound 506U78 in Patients with Refractory T-cell Malignancies: A POG/CCG Intergroup Phase II study," Accepted for presentation at the 2003, *45<sup>th</sup> Annual Meeting of the American Society of Hematology*, 2003, San Diego, California.
179. Barredo, JC., Lauer, S., Billet, A., Marymount, MA., **Devidas, M.**, Camitta, B., Winick, N., Carroll, W., Ritchey, A.K., "Isolated CNS Relapse Of Acute Lymphoblastic Leukemia (ALL) Treated With Intensive Systemic Chemotherapy And Delayed CNS Radiation: A Pediatric Oncology Group Study," 2003, *39<sup>th</sup> Annual Meeting of the American Society of Clinical Oncology*, 2003, Chicago, IL.
180. Reddy, V., Tzolas, A (g), **Devidas, M.**, Iturraspe, J., Boyette, R., Wingard, J.R., "Circulating dendritic cells (dc1 and dc2) at engraftment correlate with relapse and survival after allogeneic stem cell transplantation," 2001, *43<sup>th</sup> Annual Meeting of the American Society of Hematology*, Orlando, Florida.
181. Tzolas, A (g), **Devidas, M.**, Iturraspe, J., Boyette, R., Wingard, J.R., Reddy, V., "Type I dendritic cells (DCI) in allogeneic donor peripheral Blood stem cell product are associated with an increase in acute graft-versus-host disease," 2001, *43<sup>th</sup> Annual Meeting of the American Society of Hematology*, Orlando, Florida.
182. Tzolas, A (f), **Devidas, M.**, Salansky, J (f), Cartwright, B., Mina, S., Wingard, J.R., Reddy, V., "Non-myeloablative conditioning is associated with reduced pro-inflammatory cytokine storm compared to myeloablative conditioning after allogeneic stem cell transplantation," 2001, *43<sup>th</sup> Annual Meeting of the American Society of Hematology*, Orlando, Florida.
183. Tzolas, A (f), **Devidas, M.**, Iturraspe, J., Boyette, R., Wingard, J.R., Reddy, V., Non-myeloablative and myeloablative peripheral Blood stem cell transplantation: Comparison of post-transplant complications and survival," 2001, *43<sup>th</sup> Annual Meeting of the American Society of Hematology*, Orlando, Florida..
184. Schwartz, C.L., Bernstein, M., Teot, L., **Devidas, M.**, Link, M. "Cyclosporin A (CSA), to Overcome Multiple Drug Resistance in Osteogenic Sarcoma (OS): A Pediatric Oncology Group

- Study (POG 9357),” 2001, 33<sup>rd</sup> Meeting of the International Society of Paediatric Oncology, Brisbane, Australia.
185. Bernstein, M., Goorin, A., **Devidas, M.**, Lafreniere, D., Stine, K., Meyers, P., Grier, H. “Topotecan and Topotecan / Cyclophosphamide Window therapy in patients with Ewing Sarcoma (EWS) Metastatic at Diagnosis: An intergroup Pediatric Oncology Group Study (POG 9457),” 2001, 33<sup>rd</sup> Meeting of the International Society of Paediatric Oncology, Brisbane, Australia.
  186. Granowetter, L., Womer, R., **Devidas, M.**, Perlman, E., Shamberger, R., Link, M., Neff, J., Marcus, K., Sailer, S., Goorin, A., Arndt, C., Dickman, P., Gebhardt, M., Grier, H., “Comparison of Dose Intensified and Standard Dose Chemotherapy for the Treatment of non-metastatic Ewing Sarcoma (EWS) and Primitive Neuroectodermal Tumor (PNET) of Bone and Soft Tissue: A Pediatric Oncology Group – Children’s Cancer Group Phase III trial,” 2001, 33<sup>rd</sup> Meeting of the International Society of Paediatric Oncology, Brisbane, Australia. **Won the SIOP award for best paper**
  187. **Devidas, M.**, Kepner, J.L. “Sample Sizes for Phase II Historical Control Studies,” 2001, *Joint Statistical Meetings*, Atlanta, Georgia.
  188. Pappo, A., **Devidas, M.**, Jenkins, J., Marcus, R., Gebhardt, M., Pratt, C., Thomas, P., Rao, B., Grier, H., “Vincristine, Ifosfamide, Doxorubicin and G-CSF for Pediatric Unresected Metastatic Non-Rhabdomyosarcomatous Soft Tissue Sarcomas: a Pediatric Oncology Group (POG) Study,” 2001, 37<sup>th</sup> Annual Meeting of American Society of Clinical Oncology, San Francisco, CA.
  189. Reddy, V., Salansky, J (f), **Devidas, M.**, Bohsali, K., Lincoln G., Pollock, B.H., Boyette, R., Wingard, J.R., “Allogeneic Stem Cell Transplantation with Non Myeloablative Conditioning is Associated with Reduced Levels of Tumor Necrosis Factor- $\alpha$  compared with Myeloablative Conditioning,” 2001, *International Bone Marrow Transplant Meeting*, Keystone, Colorado.

#### Contributed National

1. Reshmi SC, Harvey RC, Smith A, Chen I-M, Valentine M, Liu Y, Li Y, Zhang J, Roberts KG, Shao Y, Easton J, Payne-Turner D, **Devidas M**, Heerema N, Carroll AJ, Raetz EA, Borowitz MJ, Wood BL, Angiolillo A, Burke MM, Salzer WL, Zweidler-McKay PA, Rabin KR, Carroll WL, Loh ML, Hunger SP, Mullighan CG, Willman CL, Gastier-Foster JM. Frequency of Actionable Gene Fusions in Patients with Philadelphia Chromosome-like (Ph-like) B-Acute Lymphoblastic Leukemia (ALL): A Study from the Children’s Oncology Group (COG). *Cancer Research (Proceedings: AACR 106th Annual Meeting 2015); 75: Abstract #4729 (Oral Session Presentation at AACR 2015)*
2. Leclerc, G.J (f), Sanderson, S., Hunger, S.P., **Devidas, M.**, Barredo, J.C., “Non-random translocations alter FPGS and other folate-related genes mRNA expression: TEL-AML1 and E2A-PBX1 fusions specifically down-regulate FPGS transcription in cell lines and primary samples of



acute lymphoblastic leukemia,” 2009, 100<sup>th</sup> Annual Meeting of the American Association for Cancer Research, Denver, CO.

3. Mulligan, C.G., Zhang, J., Harvey, R.C., Collins-Underwood, J.R., Schulman, B.A., Phillips, L.A., Tasian, S.K., Loh, M.L., Su, X., Liu, W., **Devidas, M.**, Atlas, S.R., Chen, I., Clifford, R.J., Gerhard, D., Carroll, W.L., Reaman, G.H., Smith, M., Downing, J.R., Hunger, S.P., Willman, C.L., “Frequent JAK mutations in pediatric acute lymphoblastic leukemia (ALL) with poor outcome: A new therapeutic target in resistant disease,” 2009, 100<sup>th</sup> Annual Meeting of the American Association for Cancer Research, Denver, CO.
4. Gedman A (f), Chen Q, Desmoulin S, Cherian C, **Devidas M**, Linda SB, Ge Y (f), Taub J, Matherly LH., “The impact of NOTCH1 on PI3K-AKT signaling and dependence on the PTEN status in T-cell acute lymphoblastic leukemia,” AACR; :Abstract 2192, 2009, 100<sup>th</sup> Annual Meeting of the American Association for Cancer Research, Denver, CO.
5. Yang JJ, Yang W, Cheng C, **Devidas M**, Cao X, Campana D, Borowitz M, Willman CL, Bowman W, Reaman GH, Carroll WL, Hunger S, Evans WE, Pui C, Relling MV., “Characterization of germline genetic variants underlying racial disparities of childhood leukemia outcome,” 2009, 2<sup>nd</sup> American Association for Cancer Research Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, Carefree, AZ.
6. Ge, Y (f), Haska, C., LaFiura, K.M., **Devidas, M.**, Linda, S.B., Taub, J., Matherly, L.H., “Gene Expression Profiles in childhood Acute Lymphoblastic Leukemia identify prognostic roles for multidrug resistance-associated Protein 2 and Reduced Folate Carrier,” 2005, 97<sup>th</sup> Annual meeting of American Association for Cancer Research, Orlando, FL.
7. Shamberger, R., Gebhart, M., Neff, J., Tarbell, N., Marcus, K., Sailer, S., Womer, R., Miser, J., Dickman, P., Perlman, E., **Devidas, M.**, Linda, S.B., Krailo, M., Grier, H., Granowetter, L. “Ewing Sarcoma of the Chest Wall: The Impact of Initial versus Delayed resection on Tumor Margins, Survival, and use of Radiation therapy,” 2003, Annual meeting of the American Surgical Association.
8. Bernstein, M., **Devidas, M.**, Meyers, P., Lafreniere, D., Goorin, A., Grier, H. “Amifostine Cytoprotection: A randomized Children’s Oncology Group study in Ewing Sarcoma,” 2002, Annual Meeting of the Connective Tissue Oncology Society, San Francisco, CA.

#### Invited Regional

1. **Devidas M**, “Statistical Practices in a Cooperative Group Setting, “Annual Meeting of the Florida Chapter of the American Statistical Association, 2011, Tampa, FL.
2. **Devidas, M.**, Kepner, J.L. “Sample Sizes for Phase II Historical Control Studies,” Department of Biostatistics & Bioinformatics, Duke University, 2001, Durham, NC.

#### Invited Local

**Devidas M.** “Children’s Oncology Group – An overview,” *Department of Pharmaceutical Outcomes and Policy, College of Pharmacy, University of Florida, 2013, Gainesville, FL.*

#### Contributed Local

1. **Borowitz, M.J., Devidas, M.,** Bowman, W.P., Larsen, E., Pullen, J., Camitta, B.M., “Prognostic Significance of Minimal Residual Disease (MRD) in Children with Acute Lymphoblastic Leukemia (ALL),” *Poster Presentation, Annual University of Florida Shands Cancer Center Research Poster Session (May 24, 2006), University of Florida, Gainesville, FL.*
2. **Chang, M., Devidas, M.,** Anderson, J., “Designs for Phase II Window Studies”, *Poster Presentation, Annual University of Florida Shands Cancer Center Research Poster Session (May 24, 2006), University of Florida, Gainesville, FL.*
3. **Borowitz, M.J., Devidas, M.,** Bowman, W.P., Larsen, E., Pullen, J., Camitta, B.M., “Prognostic Significance of Minimal Residual Disease (MRD) in Children with Acute Lymphoblastic Leukemia (ALL),” *Poster Presentation, College of Medicine Annual Research Day (April 11, 2006), University of Florida, Gainesville, FL.*
4. **Chang, M., Devidas, M.,** Anderson, J., “Designs for Phase II Window Studies”, *Poster Presentation, College of Medicine Annual Research Day (April 11, 2006), University of Florida, Gainesville, FL.*
5. **Devidas, M.,** Use of Historical Controls in Randomized Clinical Trials, Brown bag seminar series, *Department of Statistics, College of Medicine, 2004, University of Florida, Gainesville, FL.*

## **SERVICE**

### **UNIVERSITY GOVERNANCE AND SERVICE**

#### a. University

*Member, Biostatistics Core, University of Florida Health Cancer Center, 2000-Present*

*Member, Graduate Faculty, University of Florida, 1998-Present*

*Member, Public Health & Health Professions Research Committee, University of Florida, 2011-Present*

*Member, Public Health & Health Professions Research Finance Aid Committee, University of Florida, 2014-Present*

### **Membership in Data Safety Monitoring Boards**

*Member*, Data Safety and Monitoring Board for the randomized trial to examine the effects of lowering serum uric acid on the incidence of postoperative acute kidney injury (University of Florida), 2008 – Present

*Member*, Data Safety and Monitoring Board for the trial on Uric Acid and Hypertension in African-Americans (University of Florida), 2005 – 2010

*Member*, Data Safety and Monitoring Board, Randomized trial for Prophylactic Use of Nesiritide for the Prevention of Acute Renal Failure in Thoracic Aortic Aneurysm Surgery Patients (University of Florida), 2005 – 2008

### **Membership in University Committees**

*Member*, President's Minority Mentor Program Council, 2009 – 2013

*Member*, University Sustainability Committee, 2009 - 2012

*Member*, Environmental Health & Safety Committee, 2006 - 2007

### **b. College**

*Member*, Research Committee, College of Public Health & Health Professions, University of Florida, 2011-Present

*Member*, Search Committee for Founding Chair, Department of Biostatistics, 2011, 2012

*Judge*, College of Medicine Annual Research Day Poster presentations (University of Florida) 2006

### **c. Department/Center**

#### **Departmental Committees**

*Member*, Department Development Committee, Department of Biostatistics, Colleges of Medicine, Public Health & Health Professions, University of Florida, 2014-Present.

*Member*, Research Finance Committee, Department of Biostatistics, Colleges of Medicine, Public Health & Health Professions, University of Florida, 2014-Present.

*Member*, Faculty Development Committee, Department of Biostatistics, Colleges of Medicine, Public Health & Health Professions, University of Florida, 2013-Present.

*Chair*, Admissions Committee, Department of Biostatistics, Colleges of Medicine, Public Health & Health Professions, University of Florida, 2013-2014.

*Member*, Admissions Committee, Department of Biostatistics, Colleges of Medicine, Public Health & Health Professions, University of Florida, 2011-2012.

*Chair*, Curriculum Committee, Department of Epidemiology & Health Policy Research, College of Medicine, University of Florida, 2006-2010

*Chair*: Search Committee, Systems Administrator for COG, 2006.

*Chair*: Challis Lectureship Committee, Department of Statistics, University of Florida, 2004.

*Member*, Challis Lectureship Committee, Department of Statistics, University of Florida, 2002

*Member*, Search Committees for various departmental positions including Program Assistant, Business Manager, Administrative Services Coordinator, faculty 2002, 2006 – 2011

*Chair*: Search Committee, Director of Information Systems for COG, 2001.

*Chair*: Search Committee, Assistant Statisticians for COG, 2001.

### **COG Committees/Roles**

*Group Statistician*, Children's Oncology Group Statistics & Data Center 2013 - Present

*PI and Program Director*, Children's Oncology Group Statistics & Data Center 2014 – Present

*PI and Associate Program Director*, Children's Oncology Group Statistics & Data Center 2009 - 2014

*Lead Statistician*, Acute Lymphoblastic Leukemia Disease Committee, Children's Oncology Group 2006 – Present

*Co-Director*, Children's Oncology Group Statistics & Data Center 2002-2009

*Coordinating Statistician*, Children's Oncology Group Statistics & Data Center (COG SDC), Gainesville, Florida branch, 2002-2006, 2009 - Present.

*Resource Statistician*, Bone Sarcomas Disease Committee, Children's Oncology Group 1999-2007

*Resource Statistician*, Acute Lymphoblastic Leukemia Disease Committee, Children's Oncology Group 1998-2006

### **Service to the Profession**

*Chair*: Invited Session, 33<sup>rd</sup> Annual Meeting of the Society for Clinical Trials, Miami, Florida, 2012.

*Chair*: Contributed Session, 33<sup>rd</sup> Annual Meeting of the Society for Clinical Trials, Miami, Florida, 2012.

*Ad hoc Reviewer*: NIH/National Cancer Institute, Special Emphasis Panel/Scientific Review Group 2015-Present

*Ad hoc Reviewer*: VA Rehabilitation Research & Development Merit Reviews, 2012-Present

*Ad hoc Reviewer*: Grants, St. Baldrick's Foundation, 2011-Present

*Ad hoc Reviewer*: NIH Clinical Oncology Study Section, 2009, 2010

*Ad hoc Reviewer*: NIH Cancer Biomarkers Study Section, 2010

*Member*, Data Safety and Monitoring Board, Acute Lymphoblastic Leukemia Trial, Novartis

*Member*, Data Safety and Monitoring Board, Acute Lymphoblastic Leukemia Clinical Trial, Pfizer

*Member*, Advisory Board, Applying Biomarkers to Minimize Long-term Effects in Child and Adolescent Cancer Treatment, Grant from the Canadian Institutes of Health (PI Schultz), University of British Columbia, Vancouver, Canada, 2012 – 2017

*Member*, Data Safety and Monitoring Board, GIFT study, The Ohio State University College of Medicine

*Member*, Data Safety and Monitoring Board, Trials coordinated by the NIH sponsored Pediatric Bone Marrow Transplant Consortium (PBMTC), 2006 – Present

*Member*, Finance Committee, Society for Clinical Trials, 2004-2010

### **Other research or scholarly accomplishments**

*Associate Editor*: Editorial Review Board, Journal of Biomedical Graphics and Computing 2011-present.

*Member*: Editorial Board:

The Scientific Pages of Leukemia Research 2017- present

Biostatistics and Biometrics Open Access Journal 2016- present

Journal of Clinical Oncology, 2013 – present.

Pediatric Blood & Cancer, 2007 – present.

Journal of Hematological Malignancies, 2011-present

American Journal of Occupational Therapy, 1995-1999.

Journal of Clinical Pediatric Dentistry, 1995-1999.

*Referee*: Journal of Infection and Public Health, 2013-present

*Referee*: Journal of the National Cancer Institute, 2011-present

*Referee*: Journal of Pediatric Hematology and Oncology, 2011-present

*Referee*: Pediatric Blood and Cancer, 2005-Present.

*Referee*: Journal of Clinical Oncology, 2008 – Present.

*Referee*: Clinical Oncology in Adolescents and Young Adults, as part of Dovepress – Open access to peer-reviewed scientific and medical research, 2010 - Present

*Referee*: Contemporary Clinical Trials, 2010 – Present

*Referee*: Journal of Hematological Malignancies, Sciedu Press, 2011-present

*Referee*: Proceedings of the Indian National Science Academy - Reviews & Tracts, Part B, 2002.

*Referee*: American Association of Cancer Research, 2007-2010.

*Referee*: Cancer Management and Research, as part of Dovepress – Open access to peer-reviewed scientific and medical research, 2011

*Reviewer*: Children's Oncology Group (COG) Translational Research grant proposals, 2005 - 2008.

*Reviewer*: COG Young Investigator Research grant proposals, 2005 - 2008.

*Reviewer*: Grants, Children with Leukemia Foundation, United Kingdom

*Reviewer*: Children's Oncology Group (COG) Acute Lymphoblastic Leukemia Biology Subcommittee, 2002 – Present;

*Member*: American Statistical Association, 1991- present

*Member*: American Society Hematology, 2009 - present

*Member*: Society for Clinical Trials, 2000 - present

*Member*: Pediatric Oncology Group/Children's Oncology Group, 1998 - present

*Member*: International Biometric Society ENAR, 2000 - 2010

*Member*: International Association for Statistical Computing, 2000 - 2006

*Member*: Mississippi Breast & Cervical Cancer Prevention and Control program, Surveillance Committee, Mississippi State Department of Health, 1995-1997

*Member, Children's Oncology Group (COG) Committees* listed below –

*COG Executive Committee, 2002 - 2003.*

*COG Informatics Advisory Committee, 1999 - 2004.*

*COG Scientific Council, 2006 – Present*

Responsible for the statistical review of concepts / protocols for future clinical trials in various disease areas, and amendments to existing studies; submitted for approval to the Scientific Council prior to submission to the National Cancer Institute. The council monitors new study and other research development for scientific merit and ensures that they are in line with the overall mission, goals, and strategic plan for the group (COG).

*Executive Committee, Acute Lymphoblastic Leukemia Disease Committee 1998 – Present*

As Lead Statistician for the ALL disease committee, am involved in decision making regarding strategic plans for the committee with respect to the design of future trials, monitoring/coordination of currently open trials, setting publications priorities for the committee, prioritizing / allocating statistical resources for various ALL projects; Coordinate ALL activities and projects with the ALL statistics/data management team consisting of 8 other members; have final responsibility for all decisions on statistical issues related to ALL trials. As part of this committee, involved in discussions with international pediatric leukemia groups in Europe and Asia, on strategies for future international trials in rare subsets of pediatric cancers – provide input on study design, and sample size calculations which impact feasibility of developing and running these trials. As part of various international working groups in ALL, collaborate with clinicians and statisticians on research projects which have resulted in publications in peer-reviewed journals.

*Member of International Trial Development committees (involving COG and similar groups from Europe, China, Japan) for the next international trial in Infant ALL and also for Ph+ ALL. Play a critical role in strategizing on possible trial designs that would help efficient conduct of these trials in rare subpopulations of ALL, even with the pooling of the patients from across the European pediatric clinical trials groups.*

*Steering Committee, Acute Lymphoblastic Leukemia Disease Committee 1998 – Present*

Statistician for frontline and relapsed ALL trials.

*Steering Committee, Bone Tumors Committee 1999-2009*

Resource statistician for Osteosarcoma and Ewing Sarcoma trials. Responsible for the conduct/monitoring of three bone tumor trials.

*Statistics Discipline Committee, 1998 - Present.*

Statistician for various COG trials; coordinate the activation, data collection, monitoring of trials in ALL and some Bone tumors.

*COG Institutional and Individual Membership Committee, 2002 - Present.*

Discipline representative to the COG Institutional and Individual Membership Committee. Work with committee members to determine acceptability of institutional and individual applicants for membership to the Children's Oncology Group. Provide input on applications from institutions for re-certification – institutions are evaluated at regular time periods in order to ensure that they have the facilities /resources to provide the standard of care mandated by COG and the National Cancer Institute, when participating in COG clinical trials.

*COG Surgery Discipline Committee, 2000 - 2009.*

Statistics Discipline representative to the Surgery committee. Work closely with the pediatric surgeons on research projects involving analysis of surgical data from COG trials. Update the Group Statistician on specific issues related to these.

*COG Minority Subjects Advisory Committee, 2005 – 2009*  
Statistics Discipline representative to the committee

**HONORS AND AWARDS**

Member: Phi Kappa Phi honor society, Sigma Xi scientific society

President's Leadership Award, University of Memphis, 1987.

President, International Students Association, University of Memphis, 1986-87.

President, Graduate Students Association in Statistics, University of Memphis, 1989-90.