

MEENAKSHI DEVIDAS

Dept. of Biostatistics
Colleges of Medicine, Public Health & Health Professions
University of Florida
6011 NW 1st Place
Gainesville, FL 32607
(352) 273-0551 (W)
e-mail: mdevidas@cog.ufl.edu

WORK EXPERIENCE

Research Professor and Program Director: July 2014 – Present

Group Statistician, Children’s Oncology Group: August 2013-Present

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 - Present

Affiliate Research Associate Professor: Dept 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)

3/1/2014 – 02/28/2019

NIH/NCI

\$ 6,735,201/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

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 - 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

Scientific Leadership: COG NCORP Research Base

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

Children's Hospital of Philadelphia

9/15/2014-7/31/2015

\$27,508

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

1/1/2015-12/31/2015

\$43,921

Center for Precision Medicine in Leukemia (CPML)
 Role: Co-Investigator on the grant and PI on the subcontract to UF
 P50GM115279 7/1/2015-6/30/2020
 St. Jude Children's Research Hospital (NIH/NIGMS Primary) \$375,630

Center for Precision Medicine: BIQSFP-COG AALL08B1 MRD
 Role: Co-Investigator on NCI grant and PI on subcontract to UF
 NIH BIQSFP U10CA180886 03/01/14-02/28/15
 Children's Hospital of Philadelphia (NIH Primary) \$13,722

COMPLETED GRANTS

Incidence and Natural history of Osteonecrosis
 Role: Co-Investigator on NCI grant and PI on subcontract to UF
 NIH BIQSFP (Adamson) 07/01/12-06/30/15
 Children's Hospital of Philadelphia (NIH Primary) \$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 7/1/2010-6/30/2015
 NIH/NCI \$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) 12/07/12-11/30/14
 NIH/NCI \$15,101

Scientific Chairs: ALL statistics supplement
 Role: Co-Investigator on NCI grant and PI on subcontract to UF
 NIH U10 CA098543 (Adamson) 03/01/12-02/28/14
 Children's Hospital of Philadelphia (NIH Primary) \$100,330/yr

Children's Oncology Group Statistics and Data Center
 Role: PI on subcontract to UF
 5U10 CA98413 (Anderson) 3/1/2008 – 02/28/2014
 NIH/NCI \$ 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 8/31/2010-9/30/2013
 NIH Director's Opportunity for Research in Five Thematic Areas (RC4) \$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) 1/1/2010-12/31/2012
 Indiana University (NIH Primary) \$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) 9/1/2009-8/31/2012
NIH/NCI ARRA, Grand Opportunity grant \$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) 9/1/2009-8/31/2012
NIH/NCI ARRA \$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) 10/1/2006–9/30/2011
Leukemia & Lymphoma Society \$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) 12/1/2005 - 2/28/2011
NIH/NICHD \$ 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) 12/1/2006 –7/31/2011
NIH/NCI \$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) 7/1/2005 - 6/30/2010
NIH/NCI \$ 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 \$ 97,463
NIH/NCI	
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 \$83,526
NIH/NCI	
Pediatric Oncology Group Statistical Office Role: Principle Investigator U10 CA29139 (Devidas)	6/28/2002-12/31/2002 \$1,109,744
NIH/NCI	
Remote Data Entry supplement Role: Principle Investigator (Devidas) Foundation for the Children's Oncology Group	6/28/2002-12/31/2002 \$206,203
Remote Data Entry supplement Role: Co-Investigator (Kepner) Foundation for the Children's Oncology Group	1/1/2002 - 6/27/2002 \$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 \$135,489
NIH/NCI	
Phase I consortium grant Role: Co-Investigator on the grant and PI on the subcontract to UF (Murphy)	7/1/1999 - 6/30/2002 \$ 224,650
NIH/NCI	
Pediatric Oncology Group Statistical Office Role: Co-Investigator U10 CA29139 (Shuster)	1/1/1998 - 6/27/2002 \$9,987,695
NIH/NCI	

PENDING GRANTS

LLS Translational Science award (Zweidler-McKay) Dissecting T-ALL response to proteasome inhibition: Correlative biology for COG AALL1231 Role: Co-investigator	2014-2017 \$21,978
LLS Translational Science award (Kadan-Lottick) Genome-wide analysis to identify inherited susceptibility for vincristine-induced peripheral neuropathy in children with acute lymphoblastic leukemia Role: Co-investigator	2014-2017 \$37,394

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. Vujkovic M, Wray L, Kersh L, McWilliams TK, **Devidas M**, Smith ST, Stork L, Aplenc R. Associations between genetic variants in folate and drug metabolizing pathways and relapse risk in pediatric acute lymphoid leukemia on CCG-1952. *Leukemia Research Reports*, *In press*.
2. Fernandez CA, Smith C, Yang W, Mullighan CG, Qu C, Larsen E, Bowman WP, Liu C, Ramsey LB, Chang T, Karol SE, Loh ML, Raetz EA, Winick NJ, Hunger SP, Carroll WL, Jeha S, Pui CH, Evans WE, **Devidas M**, Relling MV. Genome-wide analysis links NFATC2 with asparaginase hypersensitivity. *Blood*. 2015 Jul 2; 126(1):69-75. doi: 10.1182/blood-2015-02-628800. Epub 2015 May 18. PubMed PMID: 25987655; PubMed Central PMCID: PMC4492197.
3. Winter SS, Dunsmore KP, **Devidas M**, Eisenberg N, Asselin BL, Wood BL, Leonard Rn MS, Murphy J, Gastier-Foster JM, Carroll AJ, Heerema NA, Loh ML, Raetz EA, Winick NJ, Carroll WL, Hunger SP. Safe integration of nelarabine into intensive chemotherapy in newly diagnosed T-cell acute lymphoblastic leukemia: Children's Oncology Group Study AALL0434. *Pediatr Blood Cancer*. 2015 Jul; 62(7):1176-83. doi: 10.1002/pbc.25470. Epub 2015 Mar 8. PubMed PMID: 25755211; PubMed Central PMCID: PMC4433576.
4. Raetz EA, Cairo MS, Borowitz MJ, Lu X, **Devidas M**, Reid JM, Goldenberg DM, Wegener WA, Zeng H, Whitlock JA, Adamson PC, Hunger SP, Carroll WL. Re-induction chemoimmunotherapy with epratuzumab in relapsed acute lymphoblastic leukemia (ALL): Phase II results from Children's Oncology Group (COG) study ADVL04P2. *Pediatr Blood Cancer*. 2015 Jul; 62(7):1171-5. doi: 10.1002/pbc.25454. Epub 2015 Mar 2. PubMed PMID: 25732247.
5. Borowitz MJ, Wood BL, **Devidas M**, Loh ML, Raetz EA, Salzer WL, Nachman JB, Carroll AJ, Heerema NA, Gastier-Foster JM, Willman CL, Dai Y, Winick NJ, Hunger SP, Carroll WL,

- Larsen E. Prognostic significance of minimal residual disease in high risk B-ALL: a report from Children's Oncology Group study AALL0232. *Blood*. 2015 Jun 29. pii: blood-2015-03-633685. [Epub ahead of print] PubMed PMID: 26124497.
6. Xu H, Zhang H, Yang W, Yadav R, Morrison AC, Qian M, **Devidas M**, Liu Y, Perez-Andreu V, Zhao X, Gastier-Foster JM, Lupo PJ, Neale G, Raetz E, Larsen E, Bowman WP, Carroll WL, Winick N, Williams R, Hansen T, Holm JC, Mardis E, Fulton R, Pui CH, Zhang J, Mullighan CG, Evans WE, Hunger SP, Gupta R, Schmiegelow K, Loh ML, Relling MV, Yang JJ. Inherited coding variants at the CDKN2A locus influence susceptibility to acute lymphoblastic leukaemia in children. *Nat Commun*. 2015 Jun 24; 6:7553. doi: 10.1038/ncomms8553. PubMed PMID: 26104880.
 7. Lindemulder SJ, Stork LC, Bostrom B, Lu X, **Devidas M**, Hunger S, Neglia JP, Kadan-Lottick NS. Survivors of standard risk acute lymphoblastic leukemia do not have increased risk for overweight and obesity compared to non-cancer peers: a report from the Children's Oncology Group. *Pediatr Blood Cancer*. 2015 Jun; 62(6):1035-41. doi: 10.1002/pbc.25411. Epub 2015 Feb 7. PubMed PMID: 25663378; PubMed Central PMCID: PMC4405430.
 8. Ma X, Edmonson M, Yergeau D, Muzny DM, Hampton OA, Rusch M, Song G, Easton J, Harvey RC, Wheeler DA, Ma J, Doddapaneni H, Vadodaria B, Wu G, Nagahawatte P, Carroll WL, Chen IM, Gastier-Foster JM, Relling MV, Smith MA, **Devidas M**, Guidry Auvil JM, Downing JR, Loh ML, Willman CL, Gerhard DS, Mullighan CG, Hunger SP, Zhang J. Rise and fall of subclones from diagnosis to relapse in pediatric B-acute lymphoblastic leukaemia. *Nat Commun*. 2015 Mar 19; 6:6604. doi: 10.1038/ncomms7604. PubMed PMID: 25790293; PubMed Central PMCID: PMC4377644.
 9. Salzer WL, Jones TL, **Devidas M**, Dreyer ZE, Gore L, Winick NJ, Sung L, Raetz E, Loh ML, Wang CY, De Lorenzo P, Valsecchi MG, Pieters R, Carroll WL, Hunger SP, Hilden JM, Brown P. Decreased induction morbidity and mortality following modification to induction therapy in infants with acute lymphoblastic leukemia enrolled on AALL0631: a report from the Children's Oncology Group. *Pediatr Blood Cancer*. 2015 Mar; 62(3):414-8. doi: 10.1002/pbc.25311. Epub 2014 Nov 18. PubMed PMID: 25407157; PubMed Central PMCID: PMC4480675.
 10. Dreyer ZE, Hilden JM, Jones TL, **Devidas M**, Winick NJ, Willman CL, Harvey RC, Chen IM, Behm FG, Pullen J, Wood BL, Carroll AJ, Heerema NA, Felix CA, Robinson B, Reaman GH, Salzer WL, Hunger SP, Carroll WL, Camitta BM. Intensified chemotherapy without SCT in infant ALL: results from COG P9407 (Cohort 3). *Pediatr Blood Cancer*. 2015 Mar; 62(3):419-26. doi: 10.1002/pbc.25322. Epub 2014 Nov 14. PubMed PMID: 25399948.
 11. Diouf B, Crews KR, Lew G, Pei D, Cheng C, Bao J, Zheng JJ, Yang W, Fan Y, Wheeler HE, Wing C, Delaney SM, Komatsu M, Paugh SW, McCorkle JR, Lu X, Winick NJ, Carroll WL, Loh ML, Hunger SP, **Devidas M**, Pui CH, Dolan ME, Relling MV, Evans WE. Association of an inherited genetic variant with vincristine-related peripheral neuropathy in children with acute lymphoblastic leukemia. *JAMA*. 2015 Feb 24; 313(8):815-23. doi: 10.1001/jama.2015.0894. PubMed PMID: 25710658; PubMed Central PMCID: PMC4377066.

12. Hastings C, Gaynon PS, Nachman JB, Sather HN, Lu X, **Devidas M**, Seibel NL. Increased post-induction intensification improves outcome in children and adolescents with a markedly elevated white blood cell count ($\geq 200 \times 10^9 /l$) with T cell acute lymphoblastic leukaemia but not B cell disease: a report from the Children's Oncology Group. *Br J Haematol.* 2015 Feb; 168(4):533-46. doi: 10.1111/bjh.13160. Epub 2014 Oct 13. PubMed PMID: 25308804; PubMed Central PMCID: PMC4314336.
13. DuBois SG, Krailo MD, Gebhardt MC, Donaldson SS, Marcus KJ, Dormans J, Shamberger RC, Sailer S, Nicholas RW, Healey JH, Tarbell NJ, Randall RL, **Devidas M**, Meyer JS, Granowetter L, Womer RB, Bernstein M, Marina N, Grier HE. Comparative evaluation of local control strategies in localized Ewing sarcoma of bone: a report from the Children's Oncology Group. *Cancer.* 2015 Feb 1; 121(3): 467-75. doi: 10.1002/cncr.29065. Epub 2014 Sep 23. PubMed PMID: 25251206; PubMed Central PMCID: PMC4305012.
14. Perez-Andreu V, Roberts KG, Xu H, Smith C, Zhang H, Yang W, Harvey RC, Payne-Turner D, **Devidas M**, Cheng IM, Carroll WL, Heerema NA, Carroll AJ, Raetz EA, Gastier-Foster JM, Marcucci G, Bloomfield CD, Mrózek K, Kohlschmidt J, Stock W, Kornblau SM, Konopleva M, Paietta E, Rowe JM, Luger SM, Tallman MS, Dean M, Burchard EG, Torgerson DG, Yue F, Wang Y, Pui CH, Jeha S, Relling MV, Evans WE, Gerhard DS, Loh ML, Willman CL, Hunger SP, Mullighan CG, Yang JJ. A genome-wide association study of susceptibility to acute lymphoblastic leukemia in adolescents and young adults. *Blood.* 2015 Jan 22; 125(4):680-6. doi: 10.1182/blood-2014-09-595744. Epub 2014 Dec 2. PubMed PMID: 25468567; PubMed Central PMCID: PMC4304112.
15. Angiolillo AL, Schore RJ, **Devidas M**, Borowitz MJ, Carroll AJ, Gastier-Foster JM, Heerema NA, Keilani T, Lane AR, Loh ML, Reaman GH, Adamson PC, Wood B, Wood C, Zheng HW, Raetz EA, Winick NJ, Carroll WL, Hunger SP. Pharmacokinetic and pharmacodynamic properties of calaspargase pegol Escherichia coli L-asparaginase in the treatment of patients with acute lymphoblastic leukemia: results from Children's Oncology Group Study AALL07P4. *J Clin Oncol.* 2014 Dec 1; 32(34):3874-82. doi: 10.1200/JCO.2014.55.5763. Epub 2014 Oct 27. PubMed PMID: 25348002; PubMed Central PMCID: PMC4239306.
16. Thompson P, Wheeler HE, Delaney SM, Lorier R, Broeckel U, **Devidas M**, Reaman GH, Scorsone K, Sung L, Dolan ME, Berg SL. Pharmacokinetics and pharmacogenomics of daunorubicin in children: a report from the Children's Oncology Group. *Cancer Chemother Pharmacol.* 2014 Oct; 74(4):831-8. doi: 10.1007/s00280-014-2535-4. Epub 2014 Aug 14. PubMed PMID: 25119182; PubMed Central PMCID: PMC4282931.
17. Roberts KG, Li Y, Payne-Turner D, Harvey RC, Yang YL, Pei D, McCastlain K, Ding L, Lu C, Song G, Ma J, Becksfort J, Rusch M, Chen SC, Easton J, Cheng J, Boggs K, Santiago-Morales N, Iacobucci I, Fulton RS, Wen J, Valentine M, Cheng C, Paugh SW, **Devidas M**, Chen IM, Reshmi S, Smith A, Hedlund E, Gupta P, Nagahawatte P, Wu G, Chen X, Yergeau D, Vadodaria B, Mulder H, Winick NJ, Larsen EC, Carroll WL, Heerema NA, Carroll AJ, Grayson G, Tasian SK, Moore AS, Keller F, Frei-Jones M, Whitlock JA, Raetz EA, White DL, Hughes TP, Guidry Auvil JM, Smith MA, Marcucci G, Bloomfield CD, Mrózek K, Kohlschmidt J, Stock W, Kornblau SM, Konopleva M, Paietta E, Pui CH, Jeha S, Relling MV, Evans WE, Gerhard DS, Gastier-Foster JM, Mardis E, Wilson RK, Loh ML, Downing JR,

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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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unresected metastatic non-rhabdomyosarcomatous soft tissue sarcoma (NRSTS): A Pediatric Oncology Group (POG) study,” *Proceedings of the American Society of Clinical Oncology*; 2001, Vol 20, Abstract 2173.

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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., Zelterman, 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.

Devidas, M., Kepner, J.L., Stephens, B. (2000), “On Computing Sample Size for Phase II Efficacy Studies with Historical Controls,” *Technical Report # 2000-033*, Department of Statistics, University of Florida.

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 24th 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. 33rd 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 23rd 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, *42nd Annual Meeting of the American Society of Clinical Oncology, Atlanta, GA.*

Contributed International

1. Maloney KW, Angiolillo AL, Schore RJ, **Devidas M**, Lu X, Wang C, Friedmann AM, Mattano LA, Loh ML, Raetz EA, Stork LC, Winick NJ, Hunger S, Carroll WL. Association of intravenous (IV) and intramuscular (IM) pegaspargase (PEG) administration with rate of adverse events (AE) in standard risk (SR) Acute Lymphoblastic Leukemia (ALL) Children's Oncology Group (COG) trials, May 2015. *ASCO Annual Meeting Proceedings 33 (15_suppl), 10035*
2. Wood B, Winter S, Dunsmore K, **Devidas M**, Chen S, Asselin B, Esiashvili N, Loh M, Winick N, Carroll W, Raetz E, Hunger S. T-lymphoblastic leukemia (T-ALL) shows excellent outcome, lack of significance of the early thymic precursor (ETP) immunophenotype, and validation of the prognostic value of end-induction minimal residual disease (MRD) in Children's Oncology Group (COG) study AALL0434, December 2014. *56th ASH Annual Meeting and Exposition*
3. Lassaletta A, Figueredo D, Alcaraz E, Aponte S, Servin J, Mattio I, Zelada O, **Devidas M**, Perez-Martinez A, Ramirez M, Carceller F, Howard S, Caniza M, Ribeiro R, Masera G, Madero L, Samudio A. Improving Survival in Children with Acute Lymphoblastic Leukemia in Paraguay: Twinning program works! September 2013. *45th Congress of the International Society of Paediatric Oncology (SIOP), Hong Kong, China. (poster presentation).*

4. Borowitz MJ, Wood BL, **Devidas M**, Loh ML, Raetz EA, Larsen EC, Maloney KW, Carroll AJ, Friedman AM, Gastier-Foster JM, Heerema NA, Mattano LA. Assessment of end induction minimal residual disease (MRD) in childhood B precursor Acute Lymphoblastic Leukemia (ALL) to eliminate the need for day 14 marrow examination: A Children's Oncology Group Study, June 2013. *48th Annual Meeting of the American Society of Clinical Oncology, Chicago, IL.* (oral presentation).
5. Mattano LA, **Devidas M**, Friedman AM, Raetz EA, Hunger SP, Winick N, Carroll WL, Maloney KW. Effect of Dexamethasone (DEX) Dose Modification on Osteonecrosis (ON) Risk associated with Intensified Therapies for Standard Risk Acute Lymphoblastic Leukemia (SR-ALL): a Report from the Children's Oncology Group (COG) Study AALL0331, June 2013. *48th Annual Meeting of the American Society of Clinical Oncology, Chicago, IL.* (oral presentation).
6. Horton TM, Lu X, O'Brien MM, Borowitz MJ, **Devidas M**, Raetz EA, Brown PA, Zeng H (g), Hunger S, Whitlock J. Bortezomib reinduction therapy to improve response rates in pediatric ALL in first relapse: A Children's Oncology Group (COG) study (AALL07P1), June 2013. *48th Annual Meeting of the American Society of Clinical Oncology, Chicago, IL.* (oral presentation).
7. Hitzler J, **Devidas M**, Whitlock J, Camitta B, Gaynon P, Rabin K, Maloney K, Winick N, Carroll W, Hunger S. Survival of Children with Down Syndrome (DS) after Relapse of Acute Lymphoblastic Leukemia (ALL): A Children's Oncology Group (COG) Study, April 2013. *26th Annual meeting of the American Society of Pediatric Hematology/Oncology, Miami, FL.* (oral presentation).
8. Myers RM (f), Balsamo L, Lu X, **Devidas M**, Hunger SP, Carroll WL, Winick N,J, Maloney KW, Kadan-Lottick NS. Prospective Longitudinal assessment of quality of life in children on active treatment for standard risk (SR) Acute Lymphoblastic Leukemia (ALL): A Report from Children's Oncology Group (COG) AALL0331, 2013. *26th Annual meeting of the American Society of Pediatric Hematology/Oncology, Miami, FL.* (poster presentation).
9. Mattano LA, **Devidas M**, Winick N, Raetz EA, Hunger SP, Carroll WL, Larsen EC. Effects of dexamethasone (DEX) vs prednisone (PDN) and high-dose methotrexate (HD-MTX) vs Capizzi methotrexate/asparaginase (C-MTX/ASNase) on osteonecrosis (ON) incidence in children and young adults with high risk acute lymphoblastic leukemia (HR-ALL): a report of the Children's Oncology Group (COG) Study AALL0232, 2012. *54th Annual Meeting of the American Society of Hematology, Atlanta, GA* (Oral presentation).
10. 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⁺ ALL): Children's Oncology Group (COG) Trial AALL0622, 2012. *54th Annual Meeting of the American Society of Hematology, Atlanta, GA* (Oral presentation).

11. Rabin KR, Mason CC, Gurusiddappa S, Leung HE, Morrison DJ, Bhojwani D, Barnette P, South ST, Miles RR, **Devidas M**, Pession A, Basso G, Potter NE, Kearney L, Moorman AV, Raimondi SC, Jeha S, Pui CH, Carroll WL, Loh ML, Hunger SP, Mulligan CG, Schiffman JD. *IKZF1* and 22q11.22 Deletions and *PDGFRA* Gains Are Associated with Poor Outcome in Down Syndrome Acute Lymphoblastic Leukemia, 2012. *54th Annual Meeting of the American Society of Hematology, Atlanta, GA* (Oral presentation).
12. Schmiegelow K, Levinsen MF, Attarbaschi A, Baruchel A, **Devidas M**, Escherich G, Gibson B, Heydrich C, Horibe K, Ishida Y, Liang DC, Locatelli F, Michel G, Pieters R, Piette C, Pui CH, Raimondi S, Silverman L, Stanulla M, Stark B, Winick N, Valsecchi MG. Second Neoplasms after treatment of Childhood Acute Lymphoblastic Leukemia, 2012. *54th Annual Meeting of the American Society of Hematology, Atlanta, GA* (Oral presentation).
13. Yang JJ, Xu H (f), Yang W, Perez-Andreu V, **Devidas M**, Fan Y, Cheng C, Pei D, Scheet P, Burchard EG, Eng C, Huntsman S, Torgerson DG, Dean M, Winick N, Martin PL, Camitta B, Bowman WP, Willman CL, Carroll WL, Mulligan CG, Bhojwani D, Hunger SP, Pui CH, Evans WE, Relling MV, Loh ML. 877 Genome-Wide Association Study Identifies a Novel Susceptibility Locus At 10p12.31-12.2 for Childhood Acute Lymphoblastic Leukemia in Ethnically diverse populations, 2012. *54th Annual Meeting of the American Society of Hematology, Atlanta, GA* (Oral presentation).
14. Gawad C, Borowitz MJ, Dahl GV, **Devidas M**, Faham M, Moorhead M, Wood BL, Zheng J, Loh ML, Lacayo NJ. Comparison of High-Throughput sequencing and Flow cytometry for measuring Minimal Residual Disease in pediatric Acute Lymphoblastic Leukemia: A Children's Oncology Group Cohort, 2012. *54th Annual Meeting of the American Society of Hematology, Atlanta, GA* (poster presentation).
15. Ramsey LB, Panetta JC, Smith C, Yang W, Fan Y, Winick N, Martin PL, Cheng C, **Devidas M**, Pui CH, Evans WE, Hunger SP, Loh ML, Relling MV. A Genome-wide Analysis of Variants influencing Methotrexate clearance replicates *SLCO1B1*, 2012. *54th Annual Meeting of the American Society of Hematology, Atlanta, GA* (poster presentation).
16. Matlawska-Wasowska K, Harvey RC, Chen IM, Willman CL, Heerema NA, Carroll AJ, **Devidas M**, Loh ML, Hunger SP, Raetz EA, Mulligan CG, Asselin B, Winick N, Carroll WL, Larson RS, Dunsmore KP, Winter SS. Expression profiling for *MEIS1* and *HOXA9/10* identifies an increased incidence of *MLL* Rearrangements in T-ALL: A Children's Oncology Group Study, 2012. *54th Annual Meeting of the American Society of Hematology, Atlanta, GA* (poster presentation).
17. Harvey RC, Wood BL, Chen IM, Doral M, Yu K, **Devidas M**, Gastier-Foster JM, Larsen EC, Maloney KW, Raetz EA, Winick N, Carroll WL, Hunger SP, Willman CL, Loh ML. Identification of *CRLF2* Genomic lesions in patients with pediatric B-precursor Acute Lymphoblastic Leukemia (BCP ALL) by Flow Cytometry or Quantitative RT-PCR: A Children's Oncology Group (COG) Study, 2012. *54th Annual Meeting of the American Society of Hematology, Atlanta, GA* (poster presentation).

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139. 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, 46th Annual Meeting of the American Society of Hematology, San Diego, CA.
140. 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, 40th Annual Meeting of the American Society of Clinical Oncology, New Orleans, LA.
141. 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, 40th Annual Meeting of the American Society of Clinical Oncology, New Orleans, LA.
142. 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, 17th Annual meeting of the American Society for Pediatric Hematology Oncology, San Francisco, CA.

143. Berg, S.L., Blaney, S.M., Bernstein, M., Kurtzberg, J., **Devidas, M.**, Lampkin, T., Murgo, A., Harris, M.B., “Activity of Compound 506U78 in Patients with Refractory T-cell Malignancies: A POG/CCG Intergroup Phase II study,” Accepted for presentation at the 2003, 45th Annual Meeting of the American Society of Hematology, 2003, San Diego, California.
144. Barredo, J.C., Lauer, S., Billet, A., Marymount, M.A., **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, 39th Annual Meeting of the American Society of Clinical Oncology, 2003, Chicago, IL.
145. 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, 43th Annual Meeting of the American Society of Hematology, Orlando, Florida.
146. 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, 43th Annual Meeting of the American Society of Hematology, Orlando, Florida.
147. 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, 43th Annual Meeting of the American Society of Hematology, Orlando, Florida.
148. 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, 43th Annual Meeting of the American Society of Hematology, Orlando, Florida..
149. 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, 33rd Meeting of the International Society of Paediatric Oncology, Brisbane, Australia.
150. 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, 33rd Meeting of the International Society of Paediatric Oncology, Brisbane, Australia.
151. 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 Prmitive Neuroectodermal Tumor (PNET) of Bone and Soft Tissue: A Pediatric Oncology Group – Children’s Cancer Group Phase III trial,” 2001,

33rd Meeting of the International Society of Paediatric Oncology, Brisbane, Australia. **Won the SIOP award for best paper**

152. **Devidas, M.**, **Kepner, J.L.** “Sample Sizes for Phase II Historical Control Studies,” 2001, *Joint Statistical Meetings*, Atlanta, Georgia.
153. **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, *37th Annual Meeting of American Society of Clinical Oncology*, San Francisco, CA.
154. **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- α compared with Myeloablative Conditioning,” 2001, *International Bone Marrow Transplant Meeting*, Keystone, Colorado.

Contributed National

1. **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, *100th Annual Meeting of the American Association for Cancer Research*, Denver, CO.
2. **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, *100th Annual Meeting of the American Association for Cancer Research*, Denver, CO.
3. **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, *100th Annual Meeting of the American Association for Cancer Research*, Denver, CO.
4. **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, *2nd American Association for Cancer Research Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved*, Carefree, AZ.
5. **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, 97th Annual meeting of American Association for Cancer Research, Orlando, FL.

6. 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.
7. 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, 33rd Annual Meeting of the Society for Clinical Trials, Miami, Florida, 2012.

Chair: Contributed Session, 33rd 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 (PBMTTC), 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:

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.