

# Shalini C. Reshmi, Ph.D.

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## **CURRENT ACADEMIC POSITIONS**

2/2018-present *Assistant Professor, Department of Pediatrics,  
The Ohio State University, Columbus, OH*

7/2009-present *Assistant Professor (Clinical), Department of Pathology,  
The Ohio State University, Columbus, OH*

## **ADMINISTRATIVE APPOINTMENT**

10/2016-present *Director, Clinical Laboratory  
Institute for Genomic Medicine  
Nationwide Children's Hospital, Columbus, OH*

9/2012-10/2016 *Associate Director, Cytogenetics/Molecular Genetics Laboratory  
Nationwide Children's Hospital, Columbus, OH*

12/2008-9/2012 *Assistant Director, Cytogenetics/Molecular Genetics Laboratory  
Nationwide Children's Hospital, Columbus, OH*

## **EDUCATION**

9/2001-5/2005 Ph.D. Human Genetics  
University of Pittsburgh, Graduate School of Public Health  
Pittsburgh, PA

9/1994-4/1996 M.S. Human Genetics  
University of Pittsburgh, Graduate School of Public Health  
Pittsburgh, PA

8/1988-5/1992 B.S. Biology  
The Catholic University of America  
Washington, D.C.

## **TRAINING**

7/2007-10/2008 American College of Medical Genetics and Genomics  
Clinical Molecular Genetics  
University of Chicago, Pritzker School of Medicine  
Chicago, IL

7/2005-6/2007 American College of Medical Genetics and Genomics  
Clinical Cytogenetics  
University of Chicago, Pritzker School of Medicine  
Chicago, IL

## **Board Certifications**

- 9/01/09- Diplomat, American Board of Medical Genetics (Molecular Genetics)  
Certificate # 2009126, issued 09/01/2009 (exp. 12/31/2019)
- 9/01/07- Diplomat, American Board of Medical Genetics (Cytogenetics)  
Certificate # 2007113, issued 09/01/2007 (exp. 12/31/2017); recertified 8/01/2016

### **COMMITTEE ASSIGNMENTS**

- 8/2017-present *Faculty Interviewer*  
*The Ohio State University College of Medicine, Columbus, OH*
- 8/2015-5/2017 *Admissions Screener*  
*The Ohio State University College of Medicine, Columbus, OH*
- 4/2014-present *Committee Chair, Laboratory Science Discipline*  
*Children's Oncology Group*
- 3/2014-present *DNA Day Essay Contest Evaluator*  
*American Society of Human Genetics*
- 8/2011-present *College of American Pathologists (CAP) Laboratory Inspector*  
*Molecular Pathology and Cytogenetics*
- 2/2009 *Faculty Evaluator*  
*Maximus Essay Scholarship Competition*  
*The Ohio State University College of Medicine, Columbus, OH*
- 11/2008 *Session Co-Moderator, Cancer Genetics and Cytogenetics*  
*58th Annual American Society of Human Genetics Meeting, Philadelphia, PA*

### **HONORS and AWARDS**

- 5/2005 Best Doctoral Dissertation, Human Genetics  
Delta Omega National Honor Society, Omicron Chapter, Pittsburgh, PA
- 10/2004 Invited Participant  
3rd Annual St. Jude National Graduate Student Symposium  
St. Jude Children's Research Hospital, Memphis, TN
- 9/2004 Public Health Dean's Scholarship Recipient  
Outstanding Doctoral Student  
University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA
- 5/2004 Student Travel Award  
8th Annual American Cytogenetics Conference, Stevenson, WA
- 9/2002 Trainee Award  
6th Research Workshop on the Biology, Prevention, and Treatment of  
Head and Neck Cancer, McClean, VA

### **TEACHING**

- 9/2014 *Lecturer, INTMED 8050 (Current Technologies),*  
*Genetic Counseling Masters Program, The Ohio State University, Columbus, OH*
- 7/2013-7/2015 *Didactic Lecturer, Pediatric Genetics Fellowship Training Program*  
*Nationwide Children's Hospital, Columbus, OH*

- 9/2009-present *Didactic Lecturer, Pathology Fellowship Training Program  
Nationwide Children's Hospital, Columbus, OH*
- 4/2009-4/2016 *Course Lecturer, Pathology 6670, Medical Cytogenetics  
The Ohio State University, Columbus, OH*
- 1/2009- present *Facilitator, Fellows Review  
American Board of Medical Genetics & Genomics Fellowship Program  
Nationwide Children's Hospital, Columbus, OH*
- 3/2007-4/2008 *Clinical Cytogenetics Workshop, Medical Genetics  
University of Chicago Pritzker School of Medicine, Chicago, IL*
- 9/2001-5/2005 *Teaching Assistant, Cytogenetics Techniques  
Department of Human Genetics, Genetic Counseling Program  
University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA*

### **FORMAL MENTORING**

- 9/2017- present *Thesis Committee Member  
Madison Bernhardt  
Genetic Counseling Student  
The Ohio State University, Columbus, OH  
"Evaluating the impact of 2015 ACMG Guidelines to Genetic Variants in  
Pediatric Patients with Arrhythmia."*
- 9/2016-present *Advisor, CAPSTONE PROJECT  
Stephanie Diemer  
Nationwide Children's Hospital and The Ohio State University, Columbus, OH  
"Assessment of Testing Methodologies for Identifying Pathogenic Alterations  
in Patients with Developmental Delay, Intellectual Disability, Autism, Congenital Anomalies,  
and Dysmorphic Features: A Systematic Literature Review."*

### *Laboratory ABMGG Fellowship Training Facilitator*

7/2016-present	Cecelia Miller, Ph.D.	Clinical Cytogenetics/Molecular Genetics
7/2016-present	Elizabeth Barrie, Ph.D.	Clinical Cytogenetics/Molecular Genetics
7/2016-present	Matthew Avenarius, Ph.D.	Clinical Cytogenetics/Molecular Genetics
1/2014-7/2017	Erik Zmuda, Ph.D.	Clinical Molecular Genetics
7/2013- 2016	Mariana Kekis, Ph.D.	Clinical Cytogenetics/Molecular Genetics
7/2013- 2016	Yu Li, Ph.D.	Clinical Cytogenetics/Molecular Genetics
7/2012-8/2013	RuthAnn Pfau, Ph.D.	Clinical Molecular Genetics
1/2010-12/2013	Lauren Walters, Ph.D.	Clinical Cytogenetics/Molecular Genetics
9/2010-7/2012	Michele Wing, Ph.D.	Clinical Molecular Genetics
8/2009-7/2012	Elena Repnikova, Ph.D.	Clinical Cytogenetics/Molecular Genetics
12/2008-7/2011	Catherine Cottrell, Ph.D.	Clinical Cytogenetics/Molecular Genetics
12/2008-7/2011	Zunyan Dai, Ph.D.	Clinical Cytogenetics/Molecular Genetics
12/2008-7/2011	Fadel Zlyaqoub, Ph.D.	Clinical Molecular Genetics
12/2008-7/2009	Sunita Singh, M.D.	Clinical Cytogenetics

### *Laboratory Rotating Medical Students/Residents/Fellows*

2015	Mohammed Alsomali	Pathology Resident, The Ohio State University
2015	Sophia Shaddy	Pathology Resident, The Ohio State University
2015	Shweta Chaudhary	Pathology Resident, The Ohio State University
2015	Yanjun Hou	Pathology Resident, The Ohio State University
2015	Tavener Black	Medical Student, Florida State University College of Medicine

2015	Elie Homsy	Pediatric Resident, The Ohio State University
2015	Kim McDonald	Genetics Fellow, Nationwide Children's Hospital
2015	Victoria Sorokin	Pathology Resident, Nationwide Children's Hospital
2015	Jason Buckner	Endocrinology Fellow, The Ohio State University
2015	Benjamin Sunkel	Graduate Research Fellow, The Ohio State University
2015	Jacob Ziegler	Undergraduate Scholar, Bowling Green State University
2015	Emily Kelch	Undergraduate Scholar, Elon University
2014, 2015	Elise Gastier	Undergraduate Scholar, The Ohio State University
2014, 2015	Jenna Boué	Undergraduate Scholar, The Ohio State University
2014	Taha Sachak	Pathology Resident, The Ohio State University
2014	Matthew Ball	Pathology Resident, The Ohio State University
2014	Susan Medalie	Medical Student, The Ohio State University
2014	Sheri Poskanzer	Medical Student, The Ohio State University
2014	Stephen Smith	Pathology Resident, The Ohio State University
2014	Keluo Yao	Pathology Resident, The Ohio State University
2014	Amina Richardson	Medical Student, The Ohio State University
2014	Stefan Costinean	Pathology Resident, The Ohio State University
2013	Nicholas Nowacki	Pathology Resident, The Ohio State University
2013	Christina Kavran	Pathology Resident, The Ohio State University
2013	Johonna Asquith	Pathology Resident, The Ohio State University
2013	Amy Joehlin-Price	Pathology Resident, The Ohio State University
2013	Shuangfeng Chen	International Scholar, The Ohio State University
2013	Kristen Bain	Genetics Fellow, Nationwide Children's Hospital
2013	Elham Kamangar	Pathology Resident, The Ohio State University
2013	Christina Nunez	Medical Student, The Ohio State University
2013	Tyler Reese	Medical Student, The Ohio State University
2012	Mari Mori	Genetics Fellow, Nationwide Children's Hospital
2012	Jason Frampton	Medical Student, The Ohio State University
2012	Manisha Mishra	Pathology Resident, The Ohio State University
2012	Erik DeVries	Pathology Resident, The Ohio State University
2012	Michael Losos	Pathology Resident, The Ohio State University
2012	Habibe Kurt	Pathology Resident, The Ohio State University
2012	Nicole Kucera	Medical Student, The Ohio State University
2012	Allison Payne	Medical Student, The Ohio State University
2012	Ayper Kacar	International Scholar, Nationwide Children's Hospital
2012	Wei Chen	Pathology Resident, The Ohio State University
2012	Ian Talbott	Pathology Resident, The Ohio State University
2012	Jacqueline Vanderburgh	Medical Student/ACMG Scholar, The Ohio State University
2011	Kyla Driest	Pediatric Resident, The Ohio State University
2011	Michelle Polan	Genetics Fellow, Nationwide Children's Hospital
2011	Sean Kirby	Pathology Resident, The Ohio State University
2011	Barrie Miller	Pathology Resident, The Ohio State University
2011	Alexander Hooper	Medical Student, The Ohio State University
2011	Sasha Beyer	Medical Student/ACMG Scholar, The Ohio State University
2011	Brent Barson	Pediatric Resident, The Ohio State University
2011	Abby Chudzinski	Pediatric Resident, The Ohio State University
2011	Sylvia Ofei	Pediatric Resident, The Ohio State University
2011	Daisha Seyfer	Developmental Pediatrics, The Ohio State University
2011	Nazih AbuAlsheikh	International Scholar, Nationwide Children's Hospital
2011	Kimberly Backscheider	Medical Student, The Ohio State University
2011	Emily Ferguson	Pediatric Resident, The Ohio State University
2011	Emily Fishman	Pediatric Resident, The Ohio State University
2010	Yidi Xu	Medical Student, The Ohio State University
2010	Shivani Patel	Medical Student, The Ohio State University
2010	Kerri Gibson	Pathology Resident, The Ohio State University
2010	Mike Bixler	Pediatric Resident, The Ohio State University
2010	Meg Ramser	Medical Student, The Ohio State University
2010	Allison Burke	Medical Student, The Ohio State University
2010	Addie Patterson	Medical Student, The Ohio State University

2010	Gina Thompson	Pediatric Resident, The Ohio State University
2010	Sherri Thomas	Developmental Pediatrics Fellow, The Ohio State University
2010	Hoda Amer	Pathology Fellow, The Ohio State University
2010	Jennifer Smolinski	Medical Student, The Ohio State University
2010	Stacy Meyer	Endocrinology Fellow, The Ohio State University
2010	Carrie Tuten	Pediatric Resident, The Ohio State University
2010	Beth Plocharczyk	Pathology Resident, The Ohio State University
2010	Eric Bowman	Pediatric Resident, The Ohio State University
2010	Christopher Oullette	Medical Student, The Ohio State University
2010	Patrice Scipio	Medical Student, The Ohio State University
2010	Christy Mulligan	Pediatric/Internal Medicine, The Ohio State University
2009	Tuan Bui	Medical Student, The Ohio State University
2009	Betsy Hall	Medical Student, The Ohio State University
2009	Catherine Sinclair	Medical Student, The Ohio State University
2009	Suzanne Kingery	Endocrinology Fellow, The Ohio State University
2009	Meghan Whitehouse	Medical Student, The Ohio State University
2009	Joseph Jenkins	Pathology Fellow, The Ohio State University
2009	Camille Elkins	Pathology Resident, The Ohio State University
2009	Amanda Dye	Endocrinology Fellow, The Ohio State University
2009	Kathryn Stephens	Pediatric Resident, The Ohio State University
2009	Rebecca Ziegler	Pathology Resident, The Ohio State University

#### **EDITORIAL BOARD APPOINTMENTS / MANUSCRIPT REVIEW**

8/2015- present *Blood*

9/2004 *Genes, Chromosomes, Cancer*

#### **PROFESSIONAL MEMBERSHIPS AND ACTIVITIES**

05/2016- present *American Society of Hematology*

04/2014-present *Children's Oncology Group, Committee Chair- Laboratory Science*

12/2008-present *Children's Oncology Group*

02/2009-present *American College of Medical Genetics and Genomics*

07/2001-present *American Society of Human Genetics*

#### **INVITED PRESENTATIONS**

- 12/2017 Reshmi SC, Harvey RC, Roberts KG, Stonerock K, Dai Y, Chen IL, Valentine M, Liu Y, Li Y, Zhang J, Payne-Turner D, Devidas M, Heerema NA, Carroll A, Raetz EA, Borowitz M, Wood B, Angiolillo A, Burke ML, Salzer W, Zweidler-McKay PA, Rabin KR, Mattano LA, Maloney K, Carroll WL, Loh ML, Mullighan CG, Willman CL, Gastier-Foster JM, Hunger SP. Genomic and Outcome Analyses of Philadelphia Chromosome-like (Ph-like) NCI Standard Risk B-Acute Lymphoblastic Leukemia (SR B-ALL) Patients Treated on Children's Oncology Group (COG) AALL0331. *American Society of Hematology Annual Meeting & Exposition (ASH)*, Atlanta, GA.
- 11/2017 **Reshmi SC**, Albers C, Roberts KG, Stonerock E, Li M, Harvey R, Chang F, Willman CL, Mullighan CG, Hunger S, Loh M, and Gastier-Foster J. Personalized Genomic Medicine: Combined Laboratory Methodologies to Identify Clinically Actionable Genetic Alterations in Philadelphia chromosome-like High-Risk (HR) B-Acute Lymphoblastic Leukemia (ALL). *Euro-India International Conference on Experimental and Clinical Medicine (ICECM-2017)*, Kottayam, Kerala, India
- 11/2016 **Reshmi SC**, Albers C, Kuo F, Roberts KG, Stonerock E, Li MM, Harvey RC, Chang F, Aster J, Boykin R, Gerlach J, Willman CL, Mullighan CG, Hunger SP, Loh M, Gastier-Foster J. Assessment of New Methodologies to Identify Actionable Gene Fusions in Philadelphia chromosome-like (Ph-like) High-Risk (HR) B-Acute Lymphoblastic Leukemia. *Nationwide Children's Hospital Research Retreat*, Columbus, OH.
- 10/2015 **Reshmi SC**, Harvey RC, Roberts KG, Stonerock E, Smith A, Jenkins H, Chen I-M, Valentine M, Liu Y, Li Y, Shao Y, Easton J, Payne-Turner D, Tran TH, Nguyen JV, Devidas M, Dai Y,

Heerema NA, Carroll, III AJ, 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. Frequency of Actionable Gene Fusions in Patients with Ph-like B-ALL. ALL General Session: Open Trials and ALL 2018: Classification and Therapeutic Questions *Children's Oncology Group Annual Fall Meeting*, Dallas, TX.

### **PREAWARDED GRANTS**

#### AALL1631 Integral

CHOP/NIH/NCI

\$1,545,562

03/01/2017-02/28/2023

PI: Julie Gastier-Foster, PhD

Co-I: Shalini Reshmi, PhD

11% Effort

#### Testing for Unknown Targetables Fusions in High Risk Ph-like ALL Patients.

Children's Oncology Group

\$75,775

05/01/2017 -05/31/2018

PI: Shalini C. Reshmi, PhD

2.5% effort

### **GRANTS**

#### A Phase II study of the JAK1/JAK2 Inhibitor Ruxolitinib with Chemotherapy in Children with De Novo High-Risk CRLF2 Rearranged and/or JAK Pathway-Mutant Acute ALL

Children's Hospital of Philadelphia/Incyte Corporation

PI: Julie M. Gastier-Foster, PhD

\$1,142,719

09/06/16-03/5/20

Co-I : Shalini Reshmi, PhD

3% effort

#### ANBL1232 Integral Marker Testing (BIOSFP-COG ANBL1232)

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

Subcontract PI: Julie M. Gastier-Foster, PhD

\$1,578,488

3/01/14-2/28/19

Co-I: Shalini Reshmi, PhD

1% effort

#### Children's Oncology Group Chair Grant (Lab Science)

CHOP/NIH/NCI

PI: Peter Adamson, MD

\$13,857 annual

3/01/14-2/28/19

Grantee

4% effort

#### Developing Novel Therapies for Pediatric and Young Adult ALL

New York University School of Medicine / Leukemia & Lymphoma Society

PI: William Carroll, MD

\$436,060

10/01/13-9/30/18

Co-I: Shalini Reshmi, PhD

2% effort

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

CHOP/St. Baldrick's Foundation  
 PI: Stephen Hunger, MD  
 Subcontract PI: Julie M. Gastier-Foster, PhD  
 \$353,199  
 7/01/13–6/30/18  
 Co-I: Shalini Reshmi, PhD  
 3% effort

Laboratory Services Agreement: Bristol-Myers Squibb Clinical Protocol CA180372: A Phase II Study of Dasatinib Added to Standard Chemotherapy in Pediatric Patients with Newly Diagnosed Philadelphia Chromosome Positive Acute Lymphoblastic Leukemia.Bristol-Meyers Squibb Pharmaceutical Research Institute Laboratory Services Agreement: Bristol-Myers Squibb

PI: Julie M. Gastier-Foster, PhD  
 \$1,538,428  
 11/16/11-11/15/21  
 Co-I : Shalini Reshmi, PhD  
 10% effort (1% paid)

COG Neuroblastoma Reference Laboratory  
 Children's Oncology Group/St. Baldrick's Foundation  
 Subcontract PI: Julie M. Gastier-Foster, PhD  
 \$157,208  
 03/01/2017-02/28/2018  
 Co-I : Shalini Reshmi, PhD  
 10% effort (5% paid)

### **COMPLETED**

Assessment of New Methodologies for Comprehensive and Timely Identification of Actionable Gene Fusions in Philadelphia-like in High-Risk B-Acute Lymphoblastic Leukemia.

Children's Oncology Group/St. Baldrick's Foundation  
 \$89,623  
 06/01/16-04/30/2017  
 PI: Shalini C. Reshmi, PhD  
 5% effort

Soft Tissue Sarcoma FISH Studies  
 Children's Hospital of Philadelphia/NIH/NCI  
 Reaman/Adamson (PIs)  
 \$442,837  
 03/01/12-02/28/17  
 Co-I

COG Wilms Tumor Reference  
 National Childhood Cancer Foundation/NIH/NCI  
 Laboratory PI: Julie M. Gastier-Foster, PhD  
 \$68,647  
 03/01/12-2/28/17  
 Co-I  
 1% effort WOC

Characterization and Treatment of Ph-like Standard Risk ALL.

University of New Mexico/St. Baldrick's Foundation  
 \$39,551  
 07/01/14-6/30/15  
 Co-I  
 1% effort

Development and Implementation of a Novel Prognostic Test in ALL  
 The University of Utah/ Leukemia and Lymphoma Society

PI: Rodney Miles, MD, PhD  
 \$219,865  
 10/01/12-9/30/15  
 Co-I  
 3% effort

COG Acute Lymphoblastic Leukemia Reference Laboratory  
 National Childhood Cancer Foundation/NIH/NCI  
 Reaman/Adamson (PIs)  
 Subcontract PI: Julie M. Gastier-Foster, PhD  
 \$272,488  
 3/01/12-2/28/17  
 Co-I  
 1% effort

COG Wilms Tumor Reference  
 National Childhood Cancer Foundation/NIH/NCI  
 Laboratory PI: Julie M. Gastier-Foster, PhD  
 \$445,169  
 3/01/09-2/28/13  
 Co-I  
 1% effort

COG Neuroblastoma Reference Laboratory  
 National Childhood Cancer Foundation/NIH/NCI  
 Subcontract PI: Julie M. Gastier-Foster, PhD  
 \$1,511,075  
 3/01/08-2/28/14  
 Co-I  
 1% effort

COG Acute Lymphoblastic Leukemia Reference Laboratory  
 National Childhood Cancer Foundation/NIH/NCI  
 Subcontract PI: Julie M. Gastier-Foster, PhD  
 \$2,130,596  
 3/01/09-2/28/13  
 Co-I  
 1% effort

Soft Tissue Sarcoma FISH Studies  
 National Childhood Cancer Foundation/NIH/NCI  
 Subcontract PI: Julie M. Gastier-Foster, Ph.D.  
 \$295,087  
 3/01/08-2/28/14  
 Co-I  
 1% effort

## **JOURNAL ARTICLES**

1. Tran TH, Harris M, Nguyen J, Blonquist T, Stevenson K, Stonerock E, Asselin B, Athale U, Clavell L, Cole P, Kelly K, Laverdiere C, Leclerc JM, Michon B, Schorin M, Welch J, **Reshmi SC**, Neuberg D, Sallan S, Loh M, Silverman L. Prognostic Impact of Kinase-Activating Fusions and *IKZF1* Gene Deletions in Pediatric High-Risk B-Lineage ALL. *Blood Advances* 2017; 014704.
2. Santoro SL, Hashimoto S, McKinney A, Mihalic Mosher T, Pyatt R, **Reshmi SC**, Astbury C, Hickey SE. Assessing the Clinical Utility of SNP Microarray for Prader-Willi Syndrome due to Uniparental Disomy. *Cytogenet Genome Res* 2017; 152(2):105-109. Epub 2017 July 27 PMID: 28746920.



3. **Reshmi SC**, Harvey RC, Roberts KG, Stonerock E, Smith A, Jenkins H, Chen I-M, Valentine M, Liu Y, Li Y, Shao Y, Easton J, Payne-Turner D, Tran TH, Nguyen JV, Devidas M, Dai Y, Heerema NA, Carroll, III AJ, 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; 129:3352-3361; PMID: 28408464.
4. Tasian SK, Hurtz C, Wertheim GB, Bailey NG, Lim MS, Harvey RC, Chen I-M, Willman CL, Astles R, Zebrowski A, **Reshmi SC**, Li MM, Frey NV, Luger SM, Carroll M, and Perl AE. High Incidence of Philadelphia Chromosome-Like Acute Lymphoblastic Leukemia (Ph-like ALL) in Older Adults with B-ALL. *Leukemia* 2017; Epub. PMID: 27932787.
5. Patel S, Mason CC, Glenn MJ, Paxton CN, South ST, Cessna MH, Asch J, Cobain EF, Bixby DL, Smith LB, **Reshmi S**, Gastier-Foster JM, Schiffman JD, Miles RR. Genomic analysis of adult B-ALL identifies potential markers of shorter survival. *Leuk Res.* 2017 May; 56:44-51. doi: 10.1016/j.leukres.2017.01.034. [Epub 2017 Feb 3]. PubMed PMID: 28193567.
6. Gu Z, Churchman M, Roberts K, Li Y, Liu Y, Harvey RC, McCastlain K, **Reshmi SC**, Payne-Turner D, Iacobucci I, Shao Y, Chen IM, Valentine M, Pei D, Mungall KL, Mungall AJ, Ma Y, Moore R, Marra M, Stonerock E, Gastier-Foster JM, Devidas M, Dai Y, Wood B, Borowitz M, Larsen EE, Maloney K, Mattano LA Jr, Angiolillo A, Salzer WL, Burke MJ, Gianni F, Spinelli O, Radich JP, Minden MD, Moorman AV, Patel B, Fielding AK, Rowe JM, Luger SM, Bhatia R, Aldoss I, Forman SJ, Kohlschmidt J, Mrózek K, Marcucci G, Bloomfield CD, Stock W, Kornblau S, Kantarjian HM, Konopleva M, Paietta E, Willman CL, L Loh M, P Hunger S, Mullighan CG. Genomic Analyses Identify Recurrent *MEF2D* Fusions in Acute Lymphoblastic Leukemia. *Nat Commun* 2016; Epub. PMID: 27824051.
7. Iacobucci I, Li Y, Roberts KG, Dobson SM, Kim JC, Payne-Turner D, Harvey RC, Valentine M, McCastlain K, Easton J, Yergeau D, Janke LJ, Shao Y, Chen I-ML, Rusch M, Zandi S, Kornblau SM, Konopleva M, Jabbour E, Paietta EM, Rowe JM, Pui C-H, Gastier-Foster J, Gu Z, **Reshmi S**, Loh M, Racevskis J, Tallman MS, Wiernik PH, Litzow MR, Willman CL, McPherson JD, Downing JR, Zhang J, Dick JE, Hunger SP, and Mullighan CG. Truncating Erythropoietin Receptor Rearrangements in Acute Lymphoblastic Leukemia. *Cancer Cell* 2016; 29(2):186-200. PMID: 26859458.
8. Walters-Sen LC, Hashimoto S, Lamb-Thrush D, **Reshmi S**, Gastier-Foster JM, Astbury C, Pyatt RE. Variability in Pathogenicity Prediction Programs: Impact on Clinical Diagnostics. *Mol Genet Genomic Med* 2015; 3(2):99-110. PMID: 25802880.
9. 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, Hunger SP, Willman CL, Zhang J, and Mullighan CG. Targetable Kinase Activating Lesions in Philadelphia Chromosome-Like Acute Lymphoblastic Leukemia. *N Eng J Med* 2014; 371(11):1005-15. PMID: 2520776.
10. Gollin SM and **Reshmi SC**. Janet Davison Rowley, M.D. (1925-2013). Obituary. *Am J Human Genet* June 5, 2014; 94:805-808. PMID: 25035867.
11. Walters-Sen L, Lamb Thrush D, Hickey SE, Hashimoto S, **Reshmi S**, Gastier-Foster JM, Pyatt RE, Astbury C. Atypical Breakpoint in a t(6;17) Translocation Case of Acampomelic Campomelic Dysplasia. *Eur J Med Genet* 2014; 57(7): 315-8. PMID: 24821304.
12. Hickey SE, Thrush DL, Walters L, **Reshmi SC**, Astbury C, Gastier-Foster JM, Atkin J. A Case of an Atypically Large Proximal 15q Deletion as Cause for Prader-Willi Syndrome Arising from a De Novo Unbalanced Translocation. *Eur J Med Genet* 2013; 56:510-514. PMID: 23856564.
13. Rosales XQ, Malik V, Sheh A, Chen L, Lewis S, Kota J, Gastier-Foster J, Astbury C, Pyatt R, **Reshmi S**, Rodino-Klapac LR, Clark RK, Mendell JR, Sahenk Z. Impaired Regeneration in LGMD 2A Supported by Increased Pax7

- Positive Satellite Cell Content and Muscle Specific MicroRNA Dysregulation. *PLoS ONE Muscle Nerve* 2013 May;47(5):731-9. PMID: 23553538.
14. Repnikova EA, Rosenfeld JA, Bailes AK, Weber C, Erdman L, McKinney A, Ramsey S, Hashimoto S, Lamb Thrush D, Astbury C, **Reshmi SC**, Shaffer LG, Gastier-Foster JM, Pyatt RE. Characterization of Copy Number Variation in Genomic Regions Containing STR Loci using Array Comparative Genomic Hybridization. *Forensic Sci Int Genet* 2013 7(5): 475-81. PMID: 23948316.
  15. Polan MB, Pastore MT, Steingass K, Hashimoto S, Lamb Thrush D, Pyatt R, **Reshmi S**, Gastier-Foster JM, Astbury C, McBride KL. Neurodevelopmental Disorders Among Individuals with Duplication of 4p13 to 4p12 Containing a GABAA Receptor Subunit Gene Cluster. *Eu J Hum Genet* 2014; 1-5. PMID: 23695283.
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## **ABSTRACTS**

### **Platform Presentations**

1. **Reshmi SC**, Harvey RC, Roberts KG, Dai Y, Chen I-M, Valentine M, Liu Y, Li Y, Zhang J, Payne-Turner D, Devidas M, Heerema NA, Carroll III AJ, Raetz EA, Borowitz MJ, Wood BL, Angiolillo A, Burke MM, Salzer WL, Zweidler-McKay PA, Rabin KR, Mattano L, Maloney KW, Carroll WL, Loh ML, Mullighan CG, Willman CL, Gastier-Foster JM, Hunger SP. Genomic and Outcome Analyses of Philadelphia Chromosome-like (Ph-like) NCI Standard Risk B-Acute Lymphoblastic Leukemia (SR B-ALL) Patients Treated on Children's Oncology Group (COG) AALL0331. *59th Annual American Society of Hematology Meeting and Exposition*. Atlanta, GA 2017.
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3. **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, III AJ, Raetz EA, Borowitz MJ, Wood BL, Angiolillo AL, 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). *106th American Association for Cancer Research Annual Meeting*. Philadelphia, PA 2015; *Cancer Res* 75:4729.
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### **Posters**

1. CA180-372: An International Collaborative Phase 2 Trial of Dasatinib and Chemotherapy in Pediatric Patients with Newly Diagnosed Philadelphia Chromosome Positive Acute Lymphoblastic Leukemia (Ph+ ALL) *59th Annual American Society of Hematology Meeting and Exposition*. Atlanta, GA 2017.
2. Kuerbitz JX, Baughn LB, Eickholt K, Chen I, **Reshmi SC**, Novak RW, Hord J. A pediatric B-ALL with doubled near-haploidy by chromosomal microarray and negative MRD at day 29 of induction; case report. *American Society of Human Genetics Annual Meeting*. Orlando, FL 2017.
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21. Repnikova E, Bailes A, McKinney A, Brock A, Deeg A, Erdman L, Weber C, Atkin J, Bartholomew D, De Los Reyes E, Lehwald L, Rink B, Sommer A, Hashimoto S, Thrush DL, **Reshmi S**, Astbury C, Pyatt R, Gastier-Foster J. Assessment of Microdeletions and Microduplications Involving the *CTNNA3* Gene at 10q21.3. *American College of Medical Genetics*, Charlotte, NC 2012.
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M, Mendell J, Tsao C-Y, Al-Dahhak R, Newmeyer A, and Gastier-Foster JM: Incidental Detection of Dystrophin Gene Deletions by Array Comparative Genomic Hybridization. *American College of Medical Genetics*; Albuquerque, NM 2010.

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### Local/Regional Meetings

1. Lamb Thrush D, Astbury C, Pyatt R, **Reshmi S**, Gastier-Foster JM. "Problematic Parents: When Parental Microarray Testing Creates More Questions than Answers." *Signature Scientific Microarray Conference*, (oral presentation) Spokane, WA 2009.
2. Calloway I, Butler III D, Roman D, Riedel A, Deeg C, Musindi W, Ziegler KL, Hickey SE, Walters LC, Hashimoto S, Lamb Thrush D, **Reshmi S**, Gastier-Foster JM, Astbury C. Mosaic Tetrasomy1q Diagnosed Prenatally by Amniocentesis. *37<sup>th</sup> Association of Genetic Technologists Conference*: Atlanta, GA 2012.
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4. Bailes A, McKinney A, Erdman LM, Weber CL, Weslow-Schmidt J, Brock AE, Deeg CS, Lamb Thrush DL, Hashimoto S, **Reshmi SC**, Astbury C, Pyatt RE, Gastier-Foster JM. Analyzing Regions of X and Y Homology Outside the PARs – How Do We Interpret Significance? *Signature Scientific Microarray Conference*, June 2011 Spokane, WA.
5. Weber CL, Cottrell CE, Brock AE, Deeg CS, Erdman LM, Hamelberg E, Roman DL, Ramsey SN, Hickey SE, Hashimoto S, Thrush DL, Pyatt RE, **Reshmi SC**, Astbury C, Gastier-Foster JM. Atypical Prader-Willi Syndrome Microdeletion Detected by Microarray and FISH Analyses in a Patient with an Unbalanced t(3;15) Translocation. *Signature Scientific Microarray Conference*, June 2011 Spokane, WA.
6. Pyatt RE, Repnikova EA, Wing MR, Bailes A, McKinney A, Brock AE, Deeg CS, Erdman LM, Weber CL, Weslow-Schmidt J, Sommer A, Bartholomew D, Hickey S, Lehwald LM, Siklosi KR, Rosenfeld JA, Shaffer LG, Lamb Thrush D, Hashimoto S, **Reshmi SC**, Astbury C, Gastier-Foster JM. X-chromosome Specific Duplications and Deletions Including Alterations in the *ILIRAPLI* Gene on Xp21.2-Xp21.3. *Signature Scientific Microarray Conference*, June 2011 Spokane, WA.
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