

## CURRICULUM VITAE

**NAME** Shalini C. Reshmi

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Columbus, Ohio 43205

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### **EMPLOYMENT**

Assistant Director Cytogenetics/Molecular Genetics Laboratory  
Department of Pathology  
Nationwide Children's Hospital  
Columbus, Ohio

### **EDUCATION AND TRAINING**

2007-2008 Clinical Molecular Genetics Fellow  
Department of Human Genetics  
University of Chicago  
Chicago, IL  
Advisors: Soma Das, Ph.D.  
Stuart Schwartz, Ph.D

2005-2007 Clinical Cytogenetics Fellow  
Departments of Medicine and Human Genetics  
University of Chicago  
Chicago, IL  
Advisors: Stuart Schwartz, Ph.D.  
Michelle M. LeBeau, Ph.D.

#### Graduate

2001-2005 Ph.D. Human Genetics  
University of Pittsburgh  
Pittsburgh, PA  
Dissertation Advisor: Susanne M. Gollin, Ph.D.  
Dissertation project: Mechanisms Leading to Chromosomal Instability in Oral  
Cancer Cells

1994-1996 M.S. Human Genetics  
University of Pittsburgh  
Pittsburgh, PA  
Thesis Advisor: Susanne M. Gollin, Ph.D.  
Thesis Title: Cytogenetic Analysis of Allgrove Syndrome

Undergraduate

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

**BOARD CERTIFICATIONS**

2007-present    Board eligible, American Board of Medical Genetics (Molecular Genetics)  
  
Diplomate, American Board of Medical Genetics (Cytogenetics)  
(expires 12/31/2017)

1995, 1999      Clinical Laboratory Specialist in Cytogenetics,  
National Certification Agency for Medical Laboratory Personnel (NCA)

**CURRENT AND PAST MEMBERSHIPS**

Fellow, American College of Medical Genetics (2009)  
American Society of Human Genetics (2001-present)  
American Association for Cancer Research (2005-2008)  
American Society of Hematology (2006)

**RESEARCH AND ACADEMIC ACTIVITIES**

November 2008                      Session co-moderator, Cancer Genetics and Cytogenetics  
58<sup>th</sup> Annual American Society of Human Genetics Meeting  
Philadelphia, PA

December 2007-October 2008      Clinical laboratory test developments, University of Chicago  
Chicago, IL:

- Congenital Hemidysplasia with Ichthyosiform Erythroderma  
and Limb Defects (CHILD) syndrome (*NSDHL* gene  
sequencing)
- Autosomal Dominant centronuclear myopathy (*DNM2* gene  
sequencing)
- Lissencephaly (Tubulin alpha 1A/ *TUBA1A* gene sequencing)

December 2007-October 2008      Research project: MLPA analysis of Intragenic Deletions of the  
*CDKL5* Gene in Female Patients with Infantile Spasms and Atypical  
Rett Syndrome: A Pilot Study.

March 2007, 2008                      Cytogenetics workshop, University of Chicago School  
of Medicine

September 2004 Journal Referee: Genes, Chromosomes, Cancer

April 2004 Presentation, 3<sup>rd</sup> Annual St. Jude National Graduate Student Symposium, St. Jude Children's Research Hospital, Memphis, TN: "Chromosomal fragile site breakage may lead to 11q13 gene amplification in oral cancer cells."

#### **HONORS AND AWARDS**

2005 Best doctoral dissertation in Human Genetics  
Delta Omega National Honor Society, Omicron Chapter  
Pittsburgh, PA

2004 Public Health Dean's Scholarship Recipient  
Outstanding Doctoral Student  
University of Pittsburgh  
Pittsburgh, PA

2004 Invited participant, 3<sup>rd</sup> Annual St. Jude National Graduate Student Symposium, St. Jude Children's Research Hospital  
Memphis, TN

2002 Travel Award  
42<sup>nd</sup> American Society for Cell Biology Annual Meeting  
San Francisco, CA

Trainee Award  
Sixth Research Workshop on the Biology, Prevention, and  
Treatment of Head and Neck Cancer  
McClean, VA

#### **SERVICE**

2007-2008 Wish granter, Make-A-Wish Foundation of Illinois  
Chicago, IL

2006-2007 President, Arlington of Hyde Park Condominium Association,  
Chicago, IL

2003- 2005 Alternate Student Representative, Graduate School of Public  
Health Governing Council, Pittsburgh, PA

1999-2005 Tri-County Wish Assigner and Volunteer, Make-A-Wish  
Foundation of Western Pennsylvania and Southern West  
Virginia, Pittsburgh, PA

1988-1994 Weekend Relief Manager and Volunteer, Ronald McDonald  
House, Washington, D.C.

**PEER-REVIEWED PUBLICATIONS**

1. Rathod PK and **Reshmi S**: Susceptibility of *Plasmodium falciparum* to a combination of thymidine and ICI D1694, a quinazoline antifolate directed at thymidylate synthase. *Antimicrob Agents Chemother* 1994;38:476-480.
2. Rowley JD, **Reshmi S**, Sobulo T, Musvee T, Anastasi J, Raimondi S, Schneider NR, Barredo JC, Cantu ES, Schlegelberger B, Behm F, Doggett NA, Burrow J and Zeleznik-Le N: All patients with the t(11;16)(q23;p13.3) that involve *MLL* and *CBP* have treatment-related hematologic disorders. *Blood* 1997; 90:535-541.
3. Sobulo OM, Burrow J, Tomek R, **Reshmi S**, Harden A, Schlegelberger B, Housman D, Doggett NA, Rowley JD and Zeleznik-Le NJ: *MLL* is fused to *CBP*, a histone acetyltransferase, in therapy related acute myeloid leukemia with a t(11;16)(q23;p13.3). *Proc Natl Acad Sci USA* 1997; 94: 8732-8737.
4. Super HG, Strissel PL, Sobulo OM, Burian D, **Reshmi SC**, Roe B, Zeleznik-Le NJ, Diaz MO and Rowley JD: Identification of complex genomic breakpoint junctions in the t(9;11) *MLL-AF9* fusion gene in acute leukemia. *Genes Chromosomes Cancer* 1997; 20:185-195.
5. Sato Y, Bohlander SK, Kobayashi H, **Reshmi S**, Suto Y, Davis EM, Espinosa III R, Hoopes R, Montgomery KT, Kucherlapati RS, Le Beau MM and Rowley JD: Heterogeneity in the breakpoints in balanced rearrangements involving band 12p13 in hematologic malignancies identified by fluorescence *in situ* hybridization: *TEL(ETV6)* is involved in only one half. *Blood* 1997; 90:4886-4893.
6. Fleischman EW, **Reshmi S**, Sokova OI, Kirichenko OP, Konstantinova LN, Kulagina OE, Frenkel MA and Rowley JD: Increased karyotype precision using fluorescence *in situ* hybridization and spectral karyotyping in patients with myeloid malignancies. *Cancer Genet Cytogenet* 1999; 108:166-170.
7. Fleischman EW, **Reshmi S**, Frenkel MA, Konovalova WI, Guleva GP, Kulagina OE, Konstantinova LN, Tupitsyn NN and Rowley JD: *MLL* is involved in a t(2;11)(p21;q23) in a patient with acute myeloblastic leukemia. *Genes Chromosomes Cancer* 1999; 24: 151-155.
8. Rowley JD, **Reshmi S**, Carlson K and Roulston D: Spectral karyotype analysis of T-cell acute leukemia. *Blood* 1999; 93:2038-2042.
9. Martinez-Climent JA, Comes AM, Vizcarra E, **Reshmi S**, Benet I, Marugan I, Tormo M, Terol MJ, Solano C, Arbona C, Prosper F, Barragan E, Bolufer P, Rowley JD and Garcia-Conde J: Variant three-way translocation of inversion 16 in AML-M4Eo confirmed by fluorescence *in situ* hybridization analysis. *Cancer Genet Cytogenet* 1999; 100:111-114.
10. **Reshmi-Skarja S**, Huebner A, Handschug K, Finegold DN, Clark AJL and Gollin SM: Chromosomal fragility in patients with triple A syndrome. *Am J Med Genet* 2003; 117A:30-36.

11. Gollin SM and **Reshmi-Skarja S**: Mitosis: Chromosomal Rearrangements During. In: *Encyclopedia of the Human Genome*. Nature Publishing Group, London. Vol. 4, pp. 23-27, 2003; also [www.ehgonline.net](http://www.ehgonline.net).
12. Cook JR, Aguilera NI, **Reshmi-Skarja S**, Huang X, Yu Z, Gollin SM, Abbondanzo SL, and Swerdlow SH: Lack of *PAX5* Rearrangements in lymphoplasmacytic lymphomas: reassessing the reported association with t(9;14). *Hum Pathol* 2004; 35:1-8.
13. Rose Ragin C, **Reshmi SC** and Gollin SM: Mapping and analysis of HPV16 integration sites in a head and neck cancer cell line. *Int J Cancer* 2004; 110: 701-709.
14. **Reshmi SC**, Saunders WS, Kudla DM, Rose Ragin C and Gollin SM: Chromosomal instability and marker chromosome evolution in oral squamous cell carcinoma. *Genes Chromosomes Cancer* 2004; 41: 38-46.
15. **Reshmi SC** and Gollin SM: Chromosomal instability in oral cancer cells. *J Dent Res* 2005;84:107-17.
16. Cook J, Aguilera N, **Reshmi S**, Huang X, Yu Z, Gollin S, Abbondanzo S, Swerdlow S: Deletion 6q is not a characteristic marker of nodal lymphoplasmacytic lymphoma. *Cancer Genet Cytogenet* 2005;162:85-88.
17. Wittschieben JP, **Reshmi SC**, Gollin SM, Wood RD: Loss of DNA polymerase zeta causes chromosomal instability in mammalian cells. *Cancer Res* 2006;66:134-42.
18. **Reshmi SC**, Huang X, Schoppy DW, Black RC, Saunders WS, Smith DI, Gollin SM: The relationship between *FRA11F* and 11q13 gene amplification in oral cancer. *Genes Chromosomes Cancer* 2007;46:143-154.
19. **Reshmi SC**, Roychaudhry S, Yu Z, Feingold E, Potter D, Saunders WS, Gollin SM: Inverted duplication pattern in anaphase bridges confirms the breakage-fusion-bridge (BFB) cycle model for 11q13 amplification. *Cytogenet Genome Res* 2007;116:46-52.
20. Martin CL, **Reshmi SC**, Ried T, Gottberg W, Wilson JW, Reddy JK, Khanna P, Johnson JT, Myers EN, Gollin SM: Chromosomal imbalances in oral squamous cell carcinoma: Examination of 31 cell lines and review of the literature. *Oral Oncology* 2008;44:369-382.