

CURRICULUM VITAE

Name:

JULIE M. GASTIER-FOSTER, Ph.D, FACMG

Office address:

Nationwide Children's Hospital
Department of Laboratory Medicine/Center for Childhood Cancer
C0833
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Columbus, Ohio 43205
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gastierj@chi.osu.edu

Education:

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| 1996-1999 | Medical Genetics Postdoctoral Fellow
Stanford University School of Medicine
Stanford, CA
Research Advisor: Uta Francke, MD
Research Topics: Functional analysis of the Wiskott-Aldrich syndrome protein (WASP),
Analysis of deletions that cause Laron Syndrome |
| 1991-1996 | PhD in Genetics
Harvard Medical School
Department of Genetics, Boston, MA
Thesis Advisors: Geoffrey M. Duyk, MD, PhD and George M. Church, PhD
Thesis Topics: Identification of human genetic markers based on trinucleotide repeat
sequences, Cloning of the breakpoints of a pericentric inversion in a family with a novel
developmental defect |
| 1987-1991 | BS in Biotechnology (Highest Honors)
Rochester Institute of Technology
Department of Biology, Rochester, NY |

Board Certifications:

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| 1999 | American Board of Medical Genetics, Clinical Molecular Genetics |
| 1999 | American Board of Medical Genetics, Clinical Cytogenetics |

Professional Experience:

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| 2007-present | Director
Cytogenetics / Molecular Genetics Laboratory, Department of Laboratory Medicine
Nationwide Children's Hospital, Columbus, OH |
| 2006-present | Scientific Director
Children's Oncology Group Neuroblastoma Reference Laboratory
The Research Institute at Nationwide Children's Hospital, Columbus, Ohio |
| 2002-present | Scientific Director
Children's Oncology Group Acute Lymphocytic Leukemia Molecular Reference Laboratory
The Research Institute at Nationwide Children's Hospital, Columbus, Ohio |
| 2002-2007 | Director
Molecular Genetics Laboratory, Department of Laboratory Medicine
Nationwide Children's Hospital, Columbus, OH |

2002-present	Assistant Professor Integrated Biomedical Science Graduate Program, Ohio State University School of Medicine and Public Health Columbus, OH
1999-present	Assistant Professor, Clinical Department of Pathology, Ohio State University School of Medicine and Public Health Columbus, OH
1999-2002	Assistant Director Cytogenetics Laboratory, Department of Laboratory Medicine Children's Hospital, Columbus, OH
1996-1999	Research Associate/Lab Manager Howard Hughes Medical Institute Stanford University School of Medicine
1991	Research Assistant Fisons Pharmaceuticals, Rochester, NY PI: David Reif, PhD
1990	Summer Undergraduate Researcher University of Michigan, Ann Arbor, MI PI: Ronald Woodard, PhD
1989	Summer Undergraduate Researcher University of North Carolina, Chapel Hill, NC PI: Ronald Swanstrom, PhD

Clinical Responsibilities:

2006-present	Scientific Director Children's Oncology Group Acute Neuroblastoma Reference Laboratory The Research Institute at Nationwide Children's Hospital, Columbus, Ohio Processing, molecular triage, and review of neuroblastoma cases
2002-present	Scientific Director Children's Oncology Group Acute Lymphocytic Leukemia Molecular Reference Laboratory The Research Institute at Nationwide Children's Hospital, Columbus, Ohio Processing, banking, molecular triage, and review of pediatric ALL cases
1999-present	Director, Cytogenetics / Molecular Genetics Laboratory (2007-present) Director, Molecular Genetics Laboratory (2002-2007) Assistant Director, Cytogenetics Laboratory (1999-2002) Nationwide Children's Hospital, Columbus, OH Review and signing of clinical cytogenetics and clinical molecular genetics cases

Grant Support:

Current:

12/1/06 – 11/30/11	Johns Hopkins/NIH/NCI Title: Minimal Residual Disease in Pediatric ALL in Relation to Other Prognostic Factors PI: Julie M. Gastier-Foster, PhD \$391,772
8/1/06 – 2/28/08	National Childhood Cancer Foundation/NIH/NCI Title: Neuroblastoma Reference Laboratory PI: Stephen J Qualman, MD Co-PI: Julie M. Gastier-Foster, PhD \$301,085

Updated 04/23/07

- 4/1/05 – 3/31/10
National Childhood Cancer Foundation/NIH/NCI
Title: ALL – Specimen Banking
PI: Stephen J Qualman, MD
Co-PI: Julie M. Gastier-Foster, PhD
\$1,236,960
- 10/1/04-9/30/07
Muscular Dystrophy Association
Title: Transfer of Alpha-Sarcoglycan Gene to LGMD2D Patients
PI: Jerry Mendell, MD
Co-I: Julie M. Gastier-Foster, PhD
\$180,000
- 7/1/02-2/28/08
National Childhood Cancer Foundation/NIH/NCI
Title: C.O.G. Acute Lymphocytic Leukemia Reference Laboratory
PI: Stephen J Qualman, MD
Co-PI: Julie M. Gastier-Foster, PhD
Co-I: Samir Kahwash, MD
Co-I: Gail D. Wenger, PhD
\$2,702,376
- 4/1/91-3/31/11
NIH/National Cancer Institute
Title: Pediatric CHTN: New Scope/Technology Aids Cancer Research
PI: Stephen J. Qualman
Co-I: Julie M. Gastier-Foster, PhD
Co-I: Nilsa Ramirez, MD
\$4,218,432
- Completed:
9/1/03-8/30/04
Foundation for the Children's Oncology Group/NIH/NCI
Title: Prognostic Significance of TEL-AML1 Fusion Status in CCG-1991 Patients
PI: Julie M. Gastier-Foster, PhD
\$50,000
- 1/1/02-12/31/02
Children's Research Institute
Title: CYP450 2D6 Enzyme Activity and Pain Treatment in Sickle Cell Disease
PI: Mark Ranalli, MD
Co-I: Reginald Ewesuedo, MD
Co-I: Julie M. Gastier-Foster, PhD
\$23,470
- 7/1/01-6/30/03
Hope Street Kids
Title: O⁶-Alkylguanine-DNA Alkyltransferase Activity and Promoter Methylation in Common Pediatric Solid Tumors
PI: Thomas Gross, MD
Co-I: Reginald Ewesuedo, MD
Co-I: M. Eileen Dolan, PhD
Co-I: Julie M. Gastier-Foster, PhD
\$70,000 (total directs)

Journal Reviewer:

Human Mutation

Laboratory Awards (Students or Fellows in Gastier-Foster laboratory):

Columbus Children's Research Institute Graduate Student Award (Catherine Cottrell, PhD student, 2004)
Columbus Children's Research Institute Postdoctoral Fellow Award (Robin LeGallo, MD, 2004)
Society for Pediatric Pathology Gordon L. Vawter Pathologist-in-Training Award (Malti Pathak, Medical Student, 2003)

Professional Society Memberships:

American College of Medical Genetics
American Society of Hematology
American Society of Human Genetics
Association for Molecular Pathology
Children's Oncology Group

Intramural Committees:

2006 Internal Grant Review Committee, Columbus Children's Research Institute
2004 – present Internal Review Board, The Research Institute at Nationwide Children's Hospital

Extramural Committees:

2007 - present Clinical Practice Committee, Association for Molecular Pathology
2006 - present Universal Newborn Hearing Screening Subcommittee, Ohio Department of Health
2005 - present COG Study Committee, ASCT0431, A Randomized Trial of Sirolimus-based Graft versus Host Disease Prophylaxis after Hematopoietic Stem Cell Transplantation in Relapsed Acute Lymphoblastic Leukemia (ALL)
2005 - present COG Study Committee, AALL05B1, A Children's Oncology Group Protocol for Collecting and Banking Relapsed Acute Lymphoblastic Leukemia Research Specimens
2004 - present COG Study Committee, AALL02P2, Treatment of Isolated Extramedullary Relapse from ALL for Low Risk Patients
2003 - present Membership Committee, COG
2003 - present Chairperson, Laboratory Sciences Committee, Children's Oncology Group (COG)
2003 - present COG Study Committee, AALL0232, High Risk B-precursor Acute Lymphoblastic Leukemia
2003 - present COG Study Committee, AALL03B1, Classification of Acute Lymphocytic Leukemia
2002 - present CAP Molecular Pathology and Cytogenetics Inspector

Teaching Experience:

2006 - present Medical Genetics Laboratory Fellowship Program
Director, Molecular Genetics Fellowship
Nationwide Children's Hospital

2004 - present Lecturer, Resident Training Series
Nationwide Children's Hospital

2004 - present Lecturer, Pathology Fellowship Training Program
Nationwide Children's Hospital

2001 - present Co-Course Director, Pathology 670
Medical Cytogenetics
Ohio State University, Columbus, OH

1999-2000 Course Instructor, Pathology 670
Medical Cytogenetics
Ohio State University, Columbus, OH

1994, 1995 Teaching Fellow
Molecular Biology training course for Physicians
Brigham and Women's Hospital, Boston, MA

1992 Graduate Teaching Assistant
Genetics Course
Harvard Medical School, Boston, MA

1991 Instructor
Cell Physiology Laboratory
Rochester Institute of Technology, Rochester, NY

Laboratory Students: (Primary Advisor J.M. Gastier-Foster)

2007	Adam Langknecht Undergraduate Summer Scholar
2007	Kelly Irwin Bexley High School Senior Project
2006	Basil Kahwash Columbus Academy Senior Project
2004, 2005	Alec Lawrence Undergraduate Summer Scholar
2003 – 2004	Vivekanand Singh, MD Pediatric Pathology Fellow project
2003	Meredith Siegel High School Summer Scholar
2001-present	Catherine Cottrell PhD student, Integrated Biomedical Science Graduate Program
2000-2001	Laura Schulz, MD Pediatric Residency Research Project Title: Molecular Analysis of Concurrent Williams-Beuren Syndrome and Chronic Granulomatous Disease
1999-2001	Joddi Neff, MS Pathologist Assistant Program Thesis Title: Detection of Maternal Cell Contamination in Chorionic Villus Samples and Detection of Uniparental Disomy for Chromosome 15 Using Fluorescently-labeled Genetic Markers

Other Laboratory Students/Residents/Fellows: (performed short training rotations through the Cytogenetics and/or Molecular Genetics Laboratories)

2007 – present	Sunita Singh, MD	Clinical Cytogenetics Fellow, Nationwide Children’s Hospital
2007	Robert Pyatt, PhD	Clinical Molecular Genetics Fellow, Ohio State University
2007	Brit Rink, MD	Genetics Fellow, Columbus Children’s Hospital
2007	Laura Konczal, MD	Genetics Fellow, Columbus Children’s Hospital
2007	Prinyarat Burusnukul, MD	Neurology Fellow, Columbus Children’s Hospital
2005	Bonita Fung, MD	Pediatric Pathology Fellow, Columbus Children’s Hospital
2005	Lynn (Dee) Cooper, MD	Pathology Resident, Ohio State University
2005	Carl (Chris) Gable, MD	Pathology Resident, Ohio State University
2005	Yan Wang, MD	Pathology Resident, Ohio State University
2004 – 2005	Robin LeGallo, MD	Pediatric Pathology Fellow, Columbus Children’s Hospital
2003	Ruzan Petrosyan, MD	Stecker International Fellow, Columbus Children’s Hospital
2003	JoAnna Williams, MD	Pathology Resident, Ohio State University
2003	Jason Nash, MD	Pathology Resident, Ohio State University
2002	Marvin Williams, DO	Maternal Fetal Medicine Fellow, Ohio State University
2002	Eiad Kahwash, MD	Pathology Resident, Ohio State University
2002	Nada Rikabi, MD	Pathology Resident, Ohio State University
2001	Eric Knudtson, MD	Maternal Fetal Medicine Fellow, Ohio State University
2000	Lisa Dunn-Albanese, MD	Maternal Fetal Medicine Fellow, Ohio State University
2000	Bo Chen, MD	Pathology Resident, Marshall University
2000	Paul Durst, MD	Pathology Resident, Marshall University
2000	David Colombo, MD	Maternal Fetal Medicine Fellow, Ohio State University

1999 Jeffrey Johnson, MD Maternal Fetal Medicine Fellow, Ohio State University

Fellow Scholarship Oversight Committee

2005 - 2006 Doug Cipkala, MD, Hematology/Oncology

Graduate Student Candidacy Exam Committees:

2004 Catherine Cottrell, Integrated Biomedical Science Graduate Program
2004 Jill Clutter, Education

Graduate Student Thesis Dissertation Committees:

2005 Mandar Joshi, PhD, Pharmacology
2003 Fenglei Jiang, PhD, Molecular, Cellular, and Developmental Biology
2002 James W. Stiles, PhD, Education
2001 Joddi Neff, MS, Pathologist's Assistant Program

Publications:

1. Auer H, Newsom DL, Yu C-Y, Yang Y, McHugh KM, Singh S, Wenger GD, **Gastier-Foster JM**, Kornacker K. Gene copy number polymorphism, a major source of genetic variation between humans. *BMC Genomics* 8:111, 2007..
2. Putcha, G. V., Bejjani, B. A., Bleoo, S., Booker, J.K., Carey, J.C., Carson, N., Das, S., Dempsey, M.A., **Gastier-Foster, J.M.**, Greinwald, J.H., Hoffmann, M.L., Jeng, L., Kenna, M.A., Khababa, I., Lilley, M., Mao, R., Muralidharan, K., Otani, I.M., Rehm, H.L., Schaefer, F., Seltzer, W.K., Spector, E.B., Springer, M.A., Weck, K.E., Wenstrup, R.J., Withrow, S., Wu, B-L., Zariwala, M.A., Schrijver, I. A Multicenter Study of the Frequency and Distribution of GJB2 and GJB6 Mutations in a Large North American Cohort. *Genet Med*, 9:413, 2007.
3. Kim GE, Beach B, **Gastier-Foster JM**, Murata-Collins JL, Rowland JM, O'Donnell RJ, Goldsby RE. Ewing sarcoma as a second malignant neoplasm after acute lymphoblastic leukemia. *Pediatr Blood Cancer* 45:57-59, 2005.
4. Yeager ND, Dolan ME, **Gastier JM**, Gross TG, Delaney S, Frick J, Ruymann FB, Ewesuedo R. O6-methylguanine-DNA methyltransferase activity and promoter methylation status in pediatric rhabdomyosarcoma. *J Pediatr Hematol Oncol* 25: 941-7, 2003.
5. Graef I, **Gastier JM**, Francke U, Crabtree GR. Evolutionary relationships among Rel domains indicate functional diversification by recombination. *Proc Natl Acad Sci USA* 98: 5740-5745, 2001.
6. **Gastier JM**, Berg MA, Vesterhus P, Reiter EO, Francke U. Diverse deletions in the growth hormone receptor gene cause Growth Hormone Insensitivity Syndrome. *Hum Mutation* 16: 323-333, 2000.
7. Ferguson PJ, Blanton S, Saulsbury FT, McDuffie MJ, Lemahieu V, **Gastier JM**, Francke U, Borowitz SM, Sutphen JL, Kelly TE. Manifestations and linkage analysis in X-linked Autoimmunity-immunodeficiency Syndrome. *Am J Med Genet* 90: 390-397, 2000.
8. Lemahieu V, **Gastier JM**, Francke U. Novel mutations in the Wiskott-Aldrich Syndrome protein gene and their effects on transcriptional, translational, and clinical phenotypes. *Hum Mutation* 14: 54-66, 1999.
9. Nishimura DY, Swiderski RE, Alward WLM, Searby CC, Patil SR, Bennet SR, Kanis AB, **Gastier JM**, Stone EM, Sheffield VC. The forkhead transcription factor gene FKHL7 is responsible for glaucoma phenotypes which map to 6p25. *Nature Genet* 19: 140-147, 1998.
10. Yandava CN, **Gastier JM**, Pulido JC, Brody T, Sheffield V, Murray J, Buetow K, Duyk GM. Characterization of the Alu repeats that are associated with tri- and tetranucleotide repeat microsatellites. *Genome Res* 7: 716-724, 1997.

11. **Gastier JM**, Brody T, Pulido JC, Businga T, Sunden S, Hu X, Maitra S, Buetow KH, Murray JC, Sheffield VC, Boguski M, Duyk GM, Hudson TJ. Development of a screening set for new (CAG/CTG)_n dynamic mutations. *Genomics* 32: 75-85, 1996.
12. Sunden SLF, Businga T, Beck, J, McClain A, **Gastier JM**, Pulido JC, Yandava CN, Brody T, Ghazizadeh J, Weber JL, Duyk GM, Murray JC, Buetow KH, Sheffield VC. Chromosomal assignment of 2900 tri- and tetranucleotide repeat markers using NIGMS somatic cell hybrid panel 2. *Genomics* 32: 15-20, 1996.
13. Marigo V, Roberts DJ, Lee SMK, Tsukurov O, Levi T, **Gastier JM**, Epstein DJ, Gilbert DJ, Copeland NG, Seidman CE, Jenkins NA, Seidman JS, McMahon AP, Tabin C. Cloning, expression, and chromosomal localization of SHH and IHH: Two human homologues of the Drosophila segment polarity gene hedgehog. *Genomics* 28: 44-51, 1995.
14. Sheffield VC, Weber JL, Buetow KH, Murray JC, Even DA, Wiles K, **Gastier JM**, Pulido JC, Yandava C, Sunden SL, Mattes G, Businga T, McClain A, Beck J, Scherpiet T, Gilliam J, Zhong J, Duyk GM. A collection of tri- and tetranucleotide repeat markers used to generate high quality, high resolution human genome-wide linkage maps. *Hum Molec Genet* 4: 1837-1844, 1995.
15. **Gastier JM**, Pulido JC, Sunden S, Brody T, Buetow KH, Murray JC, Weber JL, Hudson TJ, Sheffield VC, Duyk GM. Survey of trinucleotide repeats in the human genome: Assessment of their utility as genetic markers. *Hum Molec Genet* 4: 1829-1836, 1995.
17. Duyk GM, **Gastier JM**, Mueller RF. Traces of her workings. *Nature Genet* 2: 5-8, 1992.

Abstracts:

1. Schultz KR, Aledo A, Bowman WP, Slayton W, Sather H, Willman CL, **Gastier-Foster JM**, Heerema NA, Carroll AJ, Borowitz MJ, Winick N, Hunger SP, Carroll WL. Minimal toxicity of Imatinib Mesylate in combination with intensive chemotherapy for Philadelphia chromosome positive (Ph+) acute lymphoblastic leukemia (ALL) in children: A report of the Children's Oncology Group (COG) AALL0031 protocol for very high risk ALL. American Society of Hematology, Orlando, FL, December 2006 (Oral).
2. Heerema NA, **Gastier-Foster J**, Chen I-M, Harvey RC, Raetz EA, Loh ML, Hunger SP, Winick N, Carroll WL, Carroll AJ. Risk stratification in Children's Oncology Group (COG) B-cell precursor acute lymphoblastic leukemia (B-ALL): Interactions of cytogenetic and molecular approaches. American Cytogenetics Conference, Lake Lanier Islands, GA, June 2006 (Oral).
3. Yeates KO, Taylor G, **Gastier-Foster J**, Frick J, Bangert B, Dietrich A, Nuss K, Rusin J, Wright M. The ApoE e4 allele as a moderator of outcomes following mild traumatic brain injury in children. Pediatric Academic Societies Meeting, San Francisco, CA, May 2006 (Poster).
4. Frick J, Yeates KO, Taylor HG, **Gastier-Foster JM**. Use of the Inno-Lipa System for Rapid Detection of APOE Genotypes from Buccal Swabs. *J Mol Diagn* 7:658, 2005 (Poster).
5. Drury A, Pastore M, Springer M, Atkin J, **Gastier-Foster J**. Imperfection of CFTR Mutation Panels: Detection of the CFTRdel2,3(21kb) Possibly Only with the Inno-Lipa CFTR36 Assay. *J Mol Diagn* 7:648, 2005 (Poster).
6. LeGallo R, Burger A, Barr FG, **Gastier-Foster JM**, Fraser RB, Shiels WE, Qualman SJ. Fusion Gene Dependent Dissemination Patterns of Alveolar Rhabdomyosarcoma in the Nude Rat Model. Sarcoma Meeting Stuttgart, Stuttgart, France, June 2005 (Oral Presentation).
7. **Gastier JM**, Frick J, Springer M, Sommer A. Dominant and null alleles of GJB2 segregating with a PAX3 mutation in a family with hearing loss. The American Society of Human Genetics Annual Meeting, Toronto, Ontario, October 2004 (Poster).
8. Wenger GD, Atkin JF, Springer M, Millard M, **Gastier-Foster JM**. Phenotypic findings in patients with subtle terminal deletions detected by subtelomere FISH analysis. The American Society of Human Genetics Annual Meeting, Toronto, Ontario, October 2004 (Poster).
9. Gordon JG, Ross M, Neff J, Weber C, Shepard R, Frick J, **Gastier JM**, Wenger GD. Maternal cell contamination in chorionic villus sampling. The Association of Genetic Technologist Annual Meeting, San Diego, CA, June 2004 (Poster).

10. Sommer AM, Frick J, **Gastier-Foster JM**. Complex inheritance of hearing loss in a family with mutations segregating in multiple genes. David Smith Meeting, Los Angeles, CA, August 2004 (Poster).
11. **Gastier-Foster JM**, France-Dyckes M, Neville R, Moyer Y, Fagan E, Hartitz M, Wilhelm C, Stuart M, Qualman SJ. Challenges in Developing a Pediatric Leukemia Reference Lab Management and Banking System. United States ISBER Meeting, New York, NY. May 2004 (Oral Presentation and Poster).
12. Cottrell CE, Sommer A, Wenger GD, Krahn K, Modesto A, Van Western L, Bullard S, Wilcox WR, Ogata T, Lidral AC, **Gastier JM**. Atypical X-inactivation in an X;1 Translocation Patient with Oto-Palato-Digital Syndrome. Pediatric Academic Societies Annual Meeting, San Francisco, CA, May 2004 (Oral Platform Presentation).
13. Wenger GD, Millard M, Gastier-Foster JM. DiGeorge/Velocardiofacial Syndrome (DGS/VCFS) as a Result of Adjacent-2 Segregation. American Cytogenetics Conference, Stevenson, MA, April 2004 (Poster).
14. Syed Y, **Gastier JM**, Miller K, Shepard R, Roman D, Erdman L, Wenger GD. Prenatal Karyotype 47,XX,+der(10)t(8;10)(q24.1;q11.2)pat as a result of 3:1 segregation. The Association of Genetic Technologist Annual Meeting, Atlanta, GA, June 2003 (Poster).
15. Millard MP, Wenger GD, Wobser J, Neff J, Hamelberg B, Deeg C, Frick J, Drury A, **Gastier JM**. Two structural rearrangements of the Y chromosome in a male with infertility. The Association of Genetic Technologist Annual Meeting, Atlanta, GA, June 2003 (Poster).
16. Cottrell CE, Sommer A, Wenger GD, Krahn K, Modesto A, Van Westen L, Bullard S, Wilcox WR, Ogata T, Lidral AC, **Gastier JM**. Atypical X-inactivation in an X;1 translocation patient with Oto-Palato-Digital Syndrome. Am J Hum Genet 73 (Suppl 5):296, 2003 (Poster).
17. Wenger GD, Springer M, Syed Y, Atkin JF, **Gastier-Foster JM**. 3:1 segregation of reciprocal translocations: Examples and frequency. Am J Hum Genet 73 (Suppl 5):309, 2003 (Poster).
18. Cottrell CE, Sommer A, Wenger GD, Krahn K, Modesto A, Van Westen L, Bullard S, Wilcox WR, Ogata T, Lidral AC, **Gastier JM**. Atypical X-inactivation in an X;1 translocation patient with Oto-Palato-Digital Syndrome. Am J Hum Genet 73 (Suppl 5):296, 2003 (Poster).
19. Springer MA, **Gastier-Foster JM**, Erdman L, Gordon J, Hamelberg B, Kulmer C, Deeg C, Labanowska J, O'Shaughnessy R, Wenger GD. Paracentric inversions (PAI) and associated risks: A case report of a PAI carrier with two recombinant offspring. Am J Hum Genet 73 (Suppl 5):312, 2003 (Poster).
20. Cottrell CE, Lidral AC, Sommer A, Krahn K, Modesto A, Van Westen L, Bullard S, Wilcox WR, Ogata T, **Gastier JM**. Positional cloning of Oto-Palato-Digital Syndrome. Ped Res 53:257A, 2003 (Poster).
21. Yeager N, Dolan ME, **Gastier JM**, Ruymann FB, Frick J, Delaney S, Ewesuedo R. AGT Activity and promoter methylation status of pediatric Rhabdomyosarcoma. Ped Res 53:269A, 2003 (Poster).
22. Lidral AC, Sommer A, Bullard S, Cottrell C, Ogata T, Krahn K, Modesto A, Van Westen L, **Gastier J**. Genetic Mapping of Oto-Palato-Digital Syndrome. American Cleft Palate-Craniofacial Meeting, April 2003 (Poster).
23. Kshirsagar M, Corpron C, **Gastier J**, Albright E, Blumenkrantz M, Barr F, Qualman S. Correlation of Genotype/Phenotype in a nude rat model of Metastatic Rhabdomyosarcoma. Society for Pediatric Pathology Annual Meeting, March 2003 (Platform Presentation, received the Gordon L Vawter Pathologist-in-Training Award).
24. **Gastier JM**, Calloway I, Millard MT, Ross M, Thomas A, Baker P, Iams JD, Atkin J, Wenger GD. Functional disomy of distal Xq due to a der(Y)t(X;Y) in a male with severe congenital anomalies. Am J Hum Genet 71 (Suppl 4):293, 2002 (Poster).
25. Wenger GD, Hamelberg E, Millard M, Herman GE, **Gastier JM**. Three examples of complex chromosome rearrangements (CCRs): Family studies and FISH analysis. Am J Hum Genet 71 (Suppl 4):301, 2002 (Poster).
26. **Gastier-Foster JM**, Schulz L, Frick J, Sommer AM, Wenger GD. Molecular analysis of concurrent Williams-Beuren Syndrome and Chronic Granulomatous Disease. Ped Res 51: 227A, 2002 (Poster).

27. Ewesuedo R, Yeager N, Frick J, **Gastier-Foster JM**. MGMT promoter methylation in pediatric rhabdomyosarcoma. *Ped Res* 51:246A, 2002 (Poster).
28. Wenger GD, Atkin JF, **Gastier-Foster JM**. Mild phenotype and del(2)(q31.2q32.2 or q32.2q33) subsequent to maternal ins(5;2). American Cytogenetics Conference, 2002 (Poster).
29. **Gastier JM**, Schulz L, Frick J, Sommer AM, Wenger GD. Molecular analysis of concurrent Williams-Beuren Syndrome and Chronic Granulomatous Disease. *Am J Hum Genet* 69 (Suppl 4):621, 2001 (Poster).
30. Wenger GD, Labanowska J, Millard M, **Gastier JM**. Prenatal interphase FISH: Five years experience and unusual cases. *Am J Hum Genet* 69 (Suppl 4):332, 2001 (Poster).
31. Neff J, Frick J, Thomas A, Wenger GD, **Gastier JM**. Analysis of maternal cell contamination in CVS samples using the Powerplex 1.2 system. OSU/UC Pathology Research Conference, 2001 (Poster).
32. **Gastier JM**, Neff J, Thomas A, Wenger GD. Analysis of maternal cell contamination in CVS samples using the Powerplex 1.2 system. *J Molec Diag* 2:222, 2000 (Poster).
33. **Gastier JM**, Hamelberg B, Labanowska J, Herman GE, Bartholomew DW, Wenger GD. FISH analysis of three cases of functional monosomy 10q26.3. *Am J Hum Genet* 67 (Suppl 2):156, 2000 (Poster).
34. Wenger GD, Hamelberg B, Depinet T, Labanowska J, Korenberg JR, **Gastier JM**. Molecular cytogenetic characterization of partial duplication 21q. *Am J Hum Genet* 67 (Suppl 2):154, 2000 (Poster).
35. **Gastier JM**, Berg MA, Vesterhus P, Reiter E, Geffner M, Francke U. Diverse deletions in the growth hormone receptor gene cause Growth Hormone Insensitivity Syndrome. *Am J Hum Genet* 63 (Suppl): A361, 1998 (Poster).
36. Lemahieu V, **Gastier JM**, Francke U. Novel mutations in the Wiskott-Aldrich Syndrome gene and their consequences on transcript, protein and clinical phenotypes. *Am J Hum Genet* 63 (Suppl):A370, 1998 (Poster).
37. **Gastier JM**, Chang E, Church GM, Duyk GM. Cloning of the breakpoints of a chromosome 6 pericentric inversion in a family with multiple developmental defects. *Am J Hum Genet* 59 (Suppl):A302, 1996 (Poster).
38. **Gastier JM**, Hudson TJ, Church GM, Duyk GM. Cloning of chromosome 6 pericentric inversion breakpoints associated with a novel developmental defect. *Am J Hum Genet* 57 (Suppl):A259, 1995 (Poster).
39. Sheffield VC, Weber JL, Buetow KH, Murray JC, Even DA, Wiles K, **Gastier JM**, Pulido JC, Yandava C, Sunden SL, Mattes G, Businga T, McClain A, Beck JC, Scherpier T, Gilliam J, Zhong J, Duyk GM. Progress in tri- and tetranucleotide marker development for the Cooperative Human Linkage Center. *Am J Hum Genet* 57 (Suppl):A203, 1995 (Poster).
40. **Gastier JM**, Hudson TJ, Brody T, Charlat O, Muilenberg AC, Patil SR, Trent J, Sheffield VC, Duyk GM. Characterization of the breakpoint regions of a pericentric inversion on chromosome 6. *Am J Hum Genet* 55 (Suppl):A317, 1994 (Poster).
41. **Gastier JM**, Pulido J, Brody T, Duyk GM. Saturation cloning of short tandem repeat sequences: Towards developing comprehensive screening sets for diseases associated with trinucleotide repeat expansion. *Am J Hum Genet* 53 (Suppl):A1001, 1993 (Poster/Oral Presentation).
42. Evans IM, Cooke CL, **Gastier JM**, Haller SE, Kausch KD, Means RE. Characterization of a growth inhibitor derived from bovine vitreous. *Invest Ophthal Vis Sci* 31:193, 1990 (Poster).

Invited Lectures:

1. Molecular Genetic Analysis in Pediatric ALL. Society for Pediatric Pathology, Columbus, OH. October, 2006.
2. ALL Specimen Processing in the Molecular Reference Laboratories. Children's Oncology Semi-Annual Meeting, Dallas, TX. October, 2005.
3. Genetics in Modern Medicine. Heritage Middle School, Hilliard, OH. May, 2003.
4. Basics of Mendelian Genetics. Columbus State Community College, Columbus, OH. August, 2002.

5. Problem Solving in Medical Genetics. Columbus State Community College, Columbus, OH. August, 2002.
6. Connexin 26 Testing for Nonsyndromic Deafness. Ohio Genetic and Sickle Cell Counselors Meeting, Columbus, OH. May, 2002.
7. Implementation of Cystic Fibrosis Carrier Screening. Riverside Hospital Obstetrics and Gynecology Grand Rounds, Columbus, OH. January, 2002.
8. Scientific progress in stem cell research. Worthington Presbyterian Church, Worthington, OH. October, 2001.
9. Implications of the President's decision regarding stem cell research. Worthington Presbyterian Church, Worthington, OH. September, 2001.
10. Connexin 26 Testing for Nonsyndromic Deafness. Ohio State University Ear Nose and Throat Grand Rounds, Columbus, OH. September, 2001.