

**PUBLISHED ABSTRACTS  
GIVEN AS PRESENTATIONS OR POSTERS AT NATIONAL CONFERENCES**

1. Miller D and **Sanger WG** (1968). Salivary Gland Chromosome Pattern Variation in the Chromosome of *Drosophila Athabasca* and Related Species. *Proceedings of the Nebraska Academy of Science*, 78:6.
2. **Sanger WG** and Miller D (1968). A Report on Several Interspecific Hybrids in the *Drosophila Affinis* Subgroup. *Proceedings of the Nebraska Academy of Science*, 78:7.
3. **Sanger WG** and Eisen J (1974). In Vitro Effects of the Carcinogens, Methylnitrosourea and Ethylnitrosourea, on Human Chromosomes. *Program and Abstracts of the American Society of Human Genetics*.
4. Schwartz M and **Sanger WG** (1979). Importance of Female Evaluation Prior to Donor Insemination. *Proceedings of the PanAmerican Conference on Fertility and Sterility*.
5. Walzak M, Butler M, **Sanger WG** and Todd C (1979). Cytogenetics and Clinical Notes on an Infertile 46,XX Male. *Abstracts of the International Meeting of the American Urological Association and Australian Urological Society, Innsbruck, Austria*.
6. **Sanger WG**, Schwartz M and Housel G (1979). The Use of Frozen-Thawed Semen for Donor Insemination. *Proceedings of the Pan American Conference on Fertility and Sterility*.
7. Adams M, Finley S, Hansen H, Jahiel R, Oakley G, **Sanger WG** and Werteleck W (1980). Amniocentesis Utilization Rates Among Various Age Groups in the United States. *American Society of Human Genetics Meetings*.
8. Walzak M, Butler M and **Sanger WG** (1981). Y-Chromosomal Translocations in Male Infertility. *American Urological Association, Boston, Massachusetts*.
9. **Sanger WG**, Fordyce R, Mosher G and Teteak J (1982). "De Novo" Chromosomal Findings in Amniotic Cells. *Birth Defects Conference, Birmingham, AL*.
10. Mosher G and **Sanger WG** (1982). Utilization of Genetic Amniocentesis in Nebraska. *Birth Defects Conference, Birmingham, AL*.
11. Howe J, Trembath J, Lubinsky M, Schmidt M, Hearty C and **Sanger WG** (1982). Neuroblastoma in a Patient with Distal 15q Trisomy and Possible Distal 13q Monosomy. *Birth Defects Conference, Birmingham, AL*.
12. Buehler B, Nelson R, Peters M and **Sanger WG** (1982). Monosomy for the Distal Portion of the Long Arm of Chromosome No. 17. *Birth Defects Conference, Birmingham, AL*.
13. Buehler B, Gasseling P, **Sanger WG** and Hess M (1982). Chromosome 21, Variable Clinical Presentation. *Birth Defects Conference, Birmingham, AL*.
14. Schmidt M and **Sanger WG** (1982). Differential Response in Neonatal Cell to Growth Inhibiting and SCE Type Damage. *Birth Defects Conference, Birmingham, AL*.
15. **Sanger WG**, Fordyce R, Armitage J, Fritz J and Purtilo D (1983). Cytogenetic Findings in Non-Hodgkin's Lymphomas. *American Society of Human Genetics, Norfolk, VA*.
16. Fordyce R, Buehler B, Hearty C, Speaks S, Rebolloso F and **Sanger WG** (1983). Trisomy for the Distal Portion of the Long Arm of Chromosome 17. *Proceedings of the Association of Cytogenetic Technologists Meetings*.

17. **Sanger WG**, Hess M, Welsh M, Speaks S, Hearty C, Reboloso F, Strong J and Fordyce R (1983). Observation of csg (17) (q21) in Amniotic Cells. Proceedings of the Association of Cytogenetic Technologists Meetings.
18. **Sanger WG**, Fordyce R, Teteak J and Reboloso F (1983). Prenatal Diagnosis of Yqs. Proceedings of the Association of Cytogenetic Technologists Meetings.
19. Teteak J, Henry J and **Sanger WG** (1983). Prader-Willi Syndrome and a 15q;21p Translocation. American Society of Human Genetics Proceedings, Norfolk, VA.
20. Purtilo D, **Sanger WG**, Wagenhals K and Olmstead P (1983). Inherited Partial Trisomy 15 Complicated by Neuroblastoma. Annual Meeting of Pediatric Pathology Club, Atlanta, GA. Lab Invest, 48(1):11.
21. Tatsumi E, Lipscomb H, **Sanger WG**, Newland J, Linder J, Bechtold T, Volsky D, Harada S, McManus M, Armitage J and Purtilo D (1983). Immuno-pathogenetic Mechanisms of Lymphomagenesis in Non-Hodgkin's Lymphoma (NHL). Federation of the American Association of Pediatrics, Chicago, IL. Federation Proceedings 42:518.
22. Fordyce R, Welsh M and **Sanger WG** (1983). Is I8ph+ a Normal Chromosome Variant? American Society of Human Genetics Proceedings, Norfolk, VA.
23. Adickes E, **Sanger WG** and Kielhorn A (1984). A Variant of Leigh's Disease. Annual Meeting of Pediatric Pathology Club, San Francisco, CA.
24. Koenig J, Harris N, **Sanger WG** and Welsh M (1984). The Effect of Sodium- Heparin on the Length of Metaphase Chromosomes in Human Lymphocyte Cultures. Nebraska Academy of Science.
25. Armitage J, **Sanger WG**, Linder J and Purtilo D (1984). The Value of Cytogenetics in Resolving the Clinical Dilemma of Lymphoma vs Reactive Lymph Node Hyperplasia. Proceedings of American Academy of Clinical Research, 25:192.
26. Mroczek EC, Buehler BA, **Sanger WG**, Rogler WC, Wilson JE, Brown E, Tonniges TF and McManus BM (1984). Clinical and Karyotypic Features of Acardiac Monsters, Their Twins, and Their Mothers. Federation of the American Association of Pediatrics Proceedings.
27. Fordyce R, Strong J, Wyatt J and **Sanger WG** (1984). Three Small Supernumerary Centric Marker Chromosomes-An Etiology for Multiple Miscarriages? Proceedings of the Association of Cytogenetic Technologists.
28. Mosher G, Speaks S, Fordyce R, Hearty C, Buehler B and **Sanger WG** (1984). Double Heterozygotes for Balanced Reciprocal Translocations. Proceedings of the Association of Cytogenetic Technologists.
29. Purtilo D, **Sanger WG**, Lipscomb H, Harada S and Armitage J (1985). Etiological Factors in Lymphomagenesis. Proceedings of the First Nebraska Symposium on Cancer and Smoking Diseases. Nebraska Medical Journal.
30. **Sanger WG**, Armitage J, Weisenburger D, Linder J and Purtilo D (1985). Serial Cytogenetic Studies in Malignant Lymphoma. Proceedings of the American Academy of Clinical Research, 26:183.
31. Weisenburger D, **Sanger WG**, Armitage J and Purtilo D (1985). Intermediate Lymphocytic Lymphoma: An Immunophenotypic and Cytogenetic Analysis of 12 Cases. American Society of

Hematology, Blood 66:246A.

32. Koenig JLF, Harris NB, **Sanger WG** and Welsh M (1985). The Effect of Actinomycin D and Sodium-Heparin on the Length of Metaphase Chromosomes in Human Lymphocyte Cultures. Proceedings of the 80th Meeting of the American Dairy Science Association. University of Illinois, Champaign, IL.
33. **Sanger WG**, Weisenburger D, Armitage J, Fordyce R, Speaks S and Purtilo D (1985). Cytogenetics of Noncutaneous Peripheral T-Cell Lymphoma. American Journal of Human Genetics, 37(4), Supplement A37.
34. Weisenburger D, **Sanger W**, Armitage J and Purtilo D (1985). Intermediate Lymphocytic Lymphoma: An Immunophenotypic and Cytogenetic Analysis of 12 Cases. Blood, 66:246A.
35. Ing P, Lubinsky M, Smith S, Golden E, **Sanger WG** (1985) Marker and Derived Marker Chromosomes in Cat Eye Syndrome. American Society of Human Genetics Proceedings, Salt Lake City, UT.
36. Mosher G and **Sanger WG** (1985). Familial Pericentric Inversion of Chromosome 20. American Society of Human Genetics Proceedings, Salt Lake City, UT.
37. Mosier K, Speaks S, Hess M, Webster C, Fordyce R and **Sanger WG** (1985). Sequential Translocation of 9q, 4p, 22q in the Progression of Acute Myelocytic Leukemia M1 Type (FAB). Annual American Cytogenetic Technologists Meetings.
38. Fordyce R, Speaks S, Hess M, Fritz J and **Sanger WG** (1985). Long-Distance Cytogenetic Studies of Lymph Nodes. Annual American Cytogenetic Technologists Meetings.
39. Mroczek EC, Buehler BA, **Sanger WG**, Rogler C, Wilson JE, Brown E, Tonniges TF and McManus BM (1985). Clinical, Karyotypic, and Pathological Features of Acardiac Monsters, Their Twins, and Their Mothers. Second World Congress of Pediatric Cardiology.
40. Vaughan, WP, **Sanger WG**, Weisenburger D and Armitage J (1985). Leukemic Recurrence of Malignant Lymphoma (ML) after High Dose Therapy Supported by Infusion of Histologically Negative Autologous Marrow. Clin Res, 33:891A.
41. Ing PS, Lubinsky MS, Smith SD, Golden E and **Sanger WG** (1985). Marker and Derived Chromosomes in Cat Eye Syndrome. Am J Hum Genet, 37:A98. Presented to the American Society of Human Genetics, Salt Lake City, UT.
42. Purtilo D, **Sanger WG**, Lipscomb H, Harada S and Armitage J (1985). Etiological Factors in Lymphomagenesis. First Nebraska Symposium on Cancer and Smoking Disorders, Omaha, 1984. Nebraska Medical Journal.
43. Vaughan WP, Civin CI, Weisenburger DD, Karp JE, Graham ML, **Sanger WG**, Grierson HL, Joshi SS and Burke PJ (1986). Acute Leukemia with >70% Blast Expression the Human Hematopoietic Stem Cell Membrane Antigen MY10. Presented at the American Society of Hematology Meetings.
44. Davis J, Sinangil F, **Sanger WG**, Volsky D and Purtilo D (1986). Oncogene Expression in Non-Hodgkin's Lymphoma: Correlation with Cytogenetic and Immunologic Features. Presented at UCLA Symposium.
45. Glenn LD, **Sanger WG** and Vaughan WP (1986). Failure of Karyotypic Instability to Predict Clinical Progression in Patients with Dysmyelopoietic Syndromes. 28th Annual Meeting of the

American Society of Hematology.

46. Vaughan WP, Weisenburger DD, Grierson HL, Joshi SS, **Sanger WG** and Civin CI (1986). Acute Leukemia With Homogeneous Expression of the Pluripotent Stem Cell Surface Antigen MY-IO Has An Otherwise Variable Phenotype but Uniformly Poor Prognosis. 28th Annual Meeting of the American Society of Hematology. Blood 68:206A.
47. Joshi SS, Glenn L, Vaughan WP, Stevenson M, **Sanger WG**, Sharp JG and Weisenburger DD (1986). Correlation of In-Vitro Cultured and In- Vivo Selected Clones in Acute Lymphoblastic Leukemia. Second Nebraska Symposium on Cancer and Smoking Related Diseases. Blood 68:247A.
48. Joshi SS, Glenn L, Vaughan WP, Stevenson M, **Sanger WG**, Sharp JG and Weisenburger DD (1986). Correlation of In-Vitro and In-Vivo Selected Clones in Acute Lymphoblastic Leukemia: Validates Detection of Occult Malignant Cells in Bone Marrow Using Culture Techniques. 28th Annual Meeting of the American Society of Hematology. Blood 68:247A.
49. Marosok G, Reboloso F, **Sanger WG**, Anderson R, Speaks S and Hess M (1986). 46,XX Male. American Association of Cytogenetic Technologists Meetings.
50. Hess M, Speaks S, **Sanger WG** and Fordyce R (1986). Cytogenetics of Serial Bone Marrow Aspirates in a Case of Hodgkin's Disease. American Association of Cytogenetic Technologists Meetings.
51. Speaks S, **Sanger WG**, Hess M and Fordyce R (1986). Chromosomal Findings in Indolent Lymphomas in Nebraska. American Association of Cytogenetic Technologists Meetings.
52. Weisenburger D, **Sanger WG**, Armitage J and Purtilo D (1986). Intermediate Lymphocytic Lymphoma: An Immunologic and Cytogenetic Study. International Congress of the International Academy of Pathology Proceedings.
53. Sharp J, Mann S, Joshi J, Kessinger A, Crouse D, Weisenburger D and **Sanger WG** (1986). Culture of Human Bone Marrow Stem Cells and Stroma Leads to Detection of Tumor Cells Contaminating Histologically Normal Bone Marrow. Nebraska Symposium on Cancer and Smoking Related Diseases.
54. Hearty C, Severa S and **Sanger WG** (1987). Cytogenetics of a Recurrent T-Cell Lymphoma. National Association of Cytogenetic Technologist Meetings, Denver, CO.
55. Reboloso F, Wickstrom E, **Sanger WG**, Fordyce R, Hearty C and Mosier K (1987). Growth Rates and Turn Around Times of Early, Middle and Late Amniotic Cell Cultures for Cytogenetic Diagnosis. National Association of Cytogenetic Technologists Meetings. Denver, CO.
56. Hess M, Speaks S and **Sanger WG** (1987). Primary and Evolutionary Chromosome Changes in a Case of Non-Hodgkin's Lymphoma. National Association of Cytogenetic Technologist Meetings. Denver, CO.
57. Severa S, DeBoer J and **Sanger WG** (1987). Collagenase in Initiating Products of Conception Cultures. National Association of Cytogenetic Technologist Meetings. Denver, CO.
58. Strong J, Masada C, Reboloso F, Olney A, Fordyce R and **Sanger WG**. Partial del(14q) and Partial dup(14q) in Siblings: Parental Intra-gonadal Mosaicism for t(14;14) as a Common Mechanism. National Association of Cytogenetic Technologist Meetings, Denver, CO.
59. Heck D, Severa S and **Sanger WG** (1987). Fragile X Detection Using Three Different Culture

- Media. National Association of Cytogenetic Technologist Meetings, Denver, CO.
60. Nelson L, Bolam DL, Lipscomb WT and **Sanger WG** (1987). Effect of Body Position in Oxygen Dependent Neonates. Third International Intensive Care Nursing Conference.
  61. Bridge JA, **Sanger WG**, Shaffer BJ, Hess MM and Neff JR (1987). Cytogenetic Findings in Soft Tissue Sarcomas. Second International Workshop on Chromosome in Solid Tumors.
  62. Wooldridge TN, Grierson HL, **Sanger WG**, Armitage J, Weisenburger D, Fordyce R and Purtilo J (1987). Correlation of Cytogenetics and Flow Cytometric Analysis of DNA Content in Non-Hodgkin's Lymphoma. The University of Nebraska Medical Center Student Research Forum, Omaha, NE. Nebraska Medical Journal.
  63. Vaughan W, Civin C, Weisenburger D, Karp J, Graham M, **Sanger WG**, Grierson H, Joshi S and Burke P (1987). Acute Leukemia with > 70% of Blasts Expressing the Human Hematopoietic Stem Cell Antigen MY-IO. Sixth International Congress, International Society for Hematology, Bombay.
  64. Hamilton RL, **Sanger WG** and McComb RD (1987). Characterization of Cell Lines Derived from Malignant Tumors in Patients with Neurofibromatosis. The University of Nebraska Medical Center Student Research Forum.
  65. Hamilton RL, **Sanger WG** and McComb RD (1987). Characterization of Cell Lines Derived from Malignant Tumors in Patients with Neurofibromatosis. Annual Federation of American Societies for Experimental Biology Meetings.
  66. Armitage JO, **Sanger WG**, Weisenburger D, Harrington D, Linder J and Purtilo D (1987). Secondary Cytogenetic Abnormalities Correlate with Histologic Appearance in Non-Hodgkin's Lymphoma with the t(14;18) (q32;q21). 29th Annual Meeting of the American Society of Hematology. Blood 70:274A..
  67. Wooldridge TN, Grierson HL, **Sanger WG**, Armitage J, Weisenburger D, Fordyce R and Purtilo D (1988). Correlation of Cytogenetic and Flow Cytometric Analysis of DNA Content in Non-Hodgkin's Lymphoma. Proceedings of the Federation of American Societies for Experimental Biology, Las Vegas, NV, 2:A1408, 1988.
  68. Friman PC and **Sanger WG** (1988). Influence of Tight Underwear on Male Fertility: A Subjects Analysis With and Without Measures of Abstinence. 22nd Annual American Association of Behavioral Therapy Convention, CA.
  69. Bridge J, Bridge R, **Sanger WG** and Borek D (1988). X;18 Translocation in Orofacial Synovial Sarcoma. Regional Genetics Meeting, MN.
  70. Severa S, **Sanger WG**, Heck D and Kader H (1988). Establishment of Breakage Frequency in Lymphocyte Culture Induced by Actinomycin-D. National Association of Cytogenetic Technologist Meetings, Kingston, Ontario, Canada.
  71. Reboloso F, **Sanger WG**, Fordyce R, Gottberg W and Mosier K (1988). Comparison of Growth of Amniotic Fluid Cells in 100% Chang A and 25% Mem Alpha/Chang A. National Association of Cytogenetic Technologist Meetings, Kingston, Ontario, Canada.
  72. Kader H, **Sanger WG** and Fordyce R (1988). Cytogenetic Confirmation of Clinical Diagnosis in the Nebraska Area. National Association of Cytogenetic Technologist Meetings, Kingston, Ontario, Canada.

73. Heck D, **Sanger WG**, Severa S and Kader H (1988). Establishment of Breakage Frequency in Lymphocyte Cultures Induced by Fragile X Media. National Association of Cytogenetic Technologist Meetings, Kingston, Ontario, Canada.
74. Schouten HC, **Sanger WG**, Duggan M, Weisenburger DD, McLennan KA and Armitage JO (1988). Chromosomal Abnormalities in Hodgkin's Disease. *Blood* 72:256A.
75. Bridge JA, **Sanger WG** and Neff J (1989). Cytogenetic Findings in Benign Bone Tumors. The Third International Solid Tumor Cytogenetics Meetings, Tucson, AZ.
76. Hess M, **Sanger WG**, Fordyce R, Speaks S and Mosier K (1989). Chromosomal Breaks in Six Cancer Patients and Their Proximity to Fragile Sites, Oncogenes and Specific Cancer Breakpoints. The Third International Solid Tumor Cytogenetics Meetings, Tucson, AZ.
77. Speaks S, Harrington DS, **Sanger WG**, Hess M and Armitage J (1989). Chromosome 10q23-25 Abnormalities in Follicular Non-Hodgkin's Lymphoma Patients with t(14;18)(q32;q21): Evidence Defining a Subgroup of Patients with an Aggressive Clinical Course. The International Academy of Pathologists Annual Meeting, San Francisco, CA.
78. Harrington DS, Speaks S, **Sanger WG**, Armitage J and Purtilo D (1989). Karyotypic Abnormalities in Epstein-Barr Virus Associated Lymphoproliferative Disease (EBV-LPD). The Third International Academy of Pathologists Annual Meeting, San Francisco, CA.
79. Vose JM, Harrington D, **Sanger WG**, Speaks S, Bierman P, Armitage J and Purtilo D (1989). Cytogenetic Abnormalities in Epstein-Barr Virus (EBV) Associated Lymphoproliferative Diseases (LPD) Do Not Always Signify Lymphoma. American Society of Clinical Oncology Annual Meeting, San Francisco, CA.
80. Bridge JA, **Sanger WG**, Neff J and Bhatia P (1989). Diagnostic and Prognostic Importance of Cytogenetic Abnormalities in Giant Cell Tumors. American Society of Clinical Oncology Annual Meeting, San Francisco, C.
81. Wooldridge TN, Grierson H, **Sanger WG**, Weisenburger D, Armitage J, Pierson J, Fordyce R and Purtilo D (1989) Analysis and Correlation of DNA Content in Non-Hodgkin's Lymphomas (NHL) by Cytogenetics and Flow Cytometry. Third Nebraska Symposium on Cancer and Smoking Related Disorders. *Nebr Med J*.
82. Grierson HL, Woolridge T, Weisenburger D, Armitage J, **Sanger WG**, Pierson J, Fordyce R and Purtilo D (1989). DNA Analysis by Flow Cytometry of Paraffin-Embedded Biopsy Samples from Patients with Non-Hodgkin's Lymphomas. Third Nebraska Symposium on Cancer and Smoking Related Disorders. *Nebr Med J*.
83. Nelson M, Fordyce R and **Sanger WG** (1989). Comparison of Cytogenetic Techniques for High Resolution Chromosomes. ACT Fourteenth Annual Meeting.
84. Bridge J, **Sanger WG**, Neff J and Bhatia P (1989). Diagnostic and Prognostic Importance of Cytogenetic Abnormalities in Giant Cell Tumors. American Society of Clinical Oncology.
85. **Sanger WG**, Foley JF, Aftonomos B, Braddock S and Ogren F (1989). Properties of Dermal Fibroblasts From a Familiar Basal Cell Carcinoma Syndrome. Midwest Meeting.
86. Hess M, McComb R, Murman D, Fordyce R, Reboloso F, Soe MJ and **Sanger WG** (1989). Chromosome Analysis of a Cell Line and Xenograft Derived From a Malignant Tumor in a Patient With Neurofibromatosis. ACT Fourteenth Annual Meeting.

87. Fleck D, Fordyce R and **Sanger WG** (1989). In Situ Culture of Products of Conception. ACT Fourteenth Annual Meeting.
88. Higgins C, Fordyce R and **Sanger WG** (1989). Cytogenetic Studies on Childhood ANLL. American Association of Cytogenetic Technologists Fourteenth Annual Meeting.
89. **Sanger WG**, Josi S, DeBoer J, Strandjord S, Pirruccello S, Harrington D, Weisenburger D and Sharp J (1989). Characterization of a Newly Established Burkitt's Lymphoma Cell Line. XIVth International Symposium for Comparative Research on Leukemia and Related Diseases.
90. DeBoer J, Hess M, Joshi S, **Sanger WG**, Strandjord S, Weisenburger D and Sharp J (1989). Atypical Chromosomal Abnormalities and Aggressive in Vivo Tumorigenicity of a Newly Established Burkitt's Lymphoma Cell Line. American Association of Cytogenetic Technologists Fourteenth Annual Meeting.
91. Grierson H, **Sanger WG**, Weisenburger D, Armitage J, Wooldridge T, Fordyce R, Wooldridge L and Purtilo D (1989). The Significance of Ploidy in Non-Hodgkin's Lymphoma (NHL): Analysis by Flow Cytometry and Cytogenetics. Symposium of DNA Flow Cytometry: Status and Controversies. University of Western Ontario, London.
92. Purtilo K, Kleveland K, **Sanger WG**, Taguchi Y, Nakamine H, Pirruccello S and Thiele G (1989). Murine SCID-Human XLP Model of Lymphoma-genesis.
93. Purtilo DT, Grierson HL, **Sanger WG**, Skare J and Pirruccello SJ (1989). Mapping the Epstein-Barr Virus X Chromosome Lymphoproliferative Control (EBV-XLC) Locus in the X-Linked Lymphoproliferative Disease (XLP). XIVth International Symposium for Comparative Research on Leukemia and Related Disease, Vail, CO.
94. Skare JC, Grierson HL, Wyandt H, **Sanger WG**, Milunsky J, Purtilo DT, Sullivan J and Milunsky A (1989). Genetics of the X-linked Lymphoproliferative Syndrome. 40th Annual Meeting, American Society for Human Genetics, Baltimore, MD.
95. Joshi SS, DeBoer JM, Strandjord SE, Pirruccello SJ, **Sanger WG**, Weisenburger DD and Sharp JG (1989). Characterization of a Newly Established Burkitt's Lymphoma Cell Line, OMA-BL-1. XIV International Symposium for Comparative Research on Leukemia and Related Disorders.
96. Buch JP, Kuhl LD and **Sanger WG** (1989). Simplified Swim-Up to Enhance Motile Yield. Submitted to the American Society of Andrology, Columbia, South Carolina.
97. Purtilo D, Beisel K, Kleveland K, **Sanger WG**, Taguchi Y, Pirruccello S and Thiele G (1990). Murine SCID-Human XLP Model of Lymphoma-genesis. United States-Canadian Association of Pathologists Meeting.
98. Foley J, Aftonomos B, **Sanger WG**, Braddock S, Ogren F and Latensen J (1990). Behavior of Dermal Fibroblasts from Familial Basal Cell Carcinoma Syndrome. AACR, 31:22.
99. DeBoer J, Sharp JG, Mann S, Hess M, Welniak L, Vaughan WP and **Sanger WG** (1990). Cytogenetic Analyses of Acute Leukemia Cells Surviving in Long-Term Culture. Association for Cytogenetic Technologists Meeting.
100. Grierson H, **Sanger WG**, Weisenburger D, Armitage J, Wooldridge T, Fordyce-Boyer R, Wooldridge L and Purtilo D (1990). The Significance of Ploidy in Non-Hodgkin's Lymphoma (NHL): Analysis by Flow Cytometry and Cytogenetics.
101. Buch JP, Kuhl LS and **Sanger WG** (1990). Simplified Swim-up to Enhance Motile Yield.

American Society of Andrology Annual Meeting.

102. Fleck D, Fordyce-Boyer R and **Sanger WG** (1990). Induction of Fragile X in Fibroblasts: A Comparison of Methodologies. ACT Meeting.
103. Gottberg W, **Sanger WG**, Fordyce-Boyer R, Reboloso F and Thummel J (1990). Early vs. Standard Amniocentesis: Viability and Growth. ACT Meeting.
104. Reboloso F, Fordyce-Boyer R, Gottberg W, **Sanger WG** and Thummel J (1990). Commercially Prepared vs. Conventional Coverslips for Amniocyte Culture. ACT Meeting.
105. Purtilo D, Falk K, Pirruccello S, Nakamine H, Kleveland K, Davis J, Okano M, Taguchi Y, **Sanger WG** and Beisel K (1990). SCID Mouse Model of Virus-Induced Lympho-magenesis of Immunodeficient Humans. The 4th International Symposium on Epstein-Barr Virus and Associated Malignant Diseases, Hualien, Taiwan.
106. Sharp JG, Vaughan WP, Kessinger MA, Mann SL, DeBoer J, **Sanger W** and Weisenburger DD (1990). Significance of Detection of Tumor Cells in Hematopoietic Stem Cell Harvests of Patients with Breast Cancer. Fifth International Symposium on Autologous Bone Marrow Transplantation Meeting.
107. Sharp JG, Pirruccello SJ, DeBoer JM, Mann SL, Welniak LA, Vaughan WP, Dicke KA, **Sanger WG** and Weisenburger DD (1990). Differentiation of Human Acute Myelogenous Leukemia Cells in Long Term Culture. AACR Special Conference on Chromosomal and Growth Factor Abnormalities in Leukemia.
108. Stick MJ, Schmidt MA, **Sanger WG** and Roger JG (1990). Oral-Facial- Digital Syndrome Type I, in Association With a Derivative 9 Chromosomal Abnormality. Am J Hum Genet, (A41).
109. Guzman JI, Leuschen PM and **Sanger WG** (1990). Complications of Early Versus Late Gestational Age Amniocentesis: A Survey of Five Years Experience.
110. Nakamine H, Okano M, Taguchi Y, Pirruccello S, Davis J, Beisel K, Kleveland K, **Sanger WG**, Fordyce-Boyer R and Purtilo D (1990). Epstein-Barr Virus Induced Human Lymphoproliferation in Mice with Severe Combined Immunodeficiency. United States and Canadian Academy of Pathology.
111. Nakamine H, Masih A, **Sanger WG**, Strobach S, Armitage J and Weisenburger D (1990). Molecular Genetics Detection of Oncogene Rearrangement in Non-Hodgkin's Lymphomas with a 14q+ Chromosome of Unknown Origin. United States and Canadian Academy of Pathology.
112. Friman P and **Sanger WG** (1990). Improving Male Fertility Through Choice of Underwear: A Within Subjects Analysis.
113. Nakamine H, Okano M, Taguchi Y, Pirruccello S, Davis J, Mahloch M, Beisel K, Kleveland K, **Sanger WG**, Fordyce-Boyer R and Purtilo D (1991). Epstein-Barr Virus-Induced Lymphoproliferation in SCID Mice. FASEB.
114. Masih A, Nakamine H, **Sanger WG**, Strobach S, Armitage J and Weisenburger D (1991). Oncogene Rearrangement in Non-Hodgkin's Lymphomas with a 14q+ Chromosome of Unknown Origin. AACR 32:30.
115. Hess M, **Sanger WG**, Fordyce-Boyer R, Reboloso F and Higgins C (1991). Secondary Cytogenetic Abnormalities Associated with a t(14;18) (q32;q21) in Non-Hodgkin's Lymphomas. 4th International Workshop on Chromosomes in Solid Tumors, Scottsdale, Arizona.



116. Nakamine H, Okano M, Taguchi Y, Pirruccello S, Davis J, Beisel K, Kleveland K, **Sanger WG**, Fordyce-Boyer R and Purtilo D (1991). Epstein-Barr Virus Induced Human Lymphoproliferation in Mice with Severe Combined Immunodeficiency, United States and Canadian Academy of Pathology Annual Meeting, Chicago, IL. Lab Invest 64(1):80A.
117. **Sanger WG** (1991). Cytogenetic Contributions to Lymphomagenesis: The Nebraska Experience. Causes, Consequences and Cures of Lymphoproliferative Disease: A Symposium to Honor George and Eva Klein, Omaha, NE.
118. Nakamine H, Okano M, Taguchi Y, Pirruccello S, Davis J, Beisel K, Kleveland K, **Sanger WG**, Fordyce-Boyer R and Purtilo D (1991). Epstein-Barr Virus Induced Human Lymphoproliferation in Mice with Severe Combined Immunodeficiency. Causes, Consequences and Cures of Lymphoproliferative Disease: A Symposium to Honor George and Eva Klein, Omaha, NE.
119. Gordon B, Warkentin P, Weisenburger D, **Sanger WG** and Coccia P (1991). Bone Marrow Transplantation (BMT) for Peripheral T-cell Lymphoma (PTCL) in Childhood: Efficacy of Thiotepa Based Preparative Regimen. Causes, Consequences and Cures of Lymphoproliferative Disease: A Symposium to Honor George and Eva Klein, Omaha, NE.
120. Reboloso F, Hess M, Coccia P, Fordyce-Boyer R and **Sanger WG** (1991) Persistence of Patient T-cell Lymphocytes in Peripheral Blood Following Allogenic Bone Marrow Transplantation and Total Body Irradiation. ACT Annual Meeting, Vancouver, BC, Canada.
121. DeBoer J, Welniak L, Pirruccello S, Mann S, Vaughan W, **Sanger WG** and Sharp JG (1991). Cytogenetic Evidence Suggesting that Both Normal and Leukemic Stem Cells Differentiate in Long Term Culture. ACT Annual Meeting, Vancouver, BC, Canada.
122. Higgins C, Fordyce-Boyer R and **Sanger WG** (1991). Multiple Culture Periods Enhance Cytogenetic Characterization of Myelodysplastic Syndrome. ACT Annual Meeting, Vancouver, BC, Canada.
123. Zaleski D and **Sanger WG** (1991). Additional Evidence to Support the Use of Three Different Culture Media in Fragile X Detection. ACT Annual Meeting, Vancouver, BC, Canada.
124. Fleck D, Fordyce-Boyer R and **Sanger WG** (1991). Further Delineation of Marker Chromosomes by In Situ Hybridization. ACT Annual Meeting, Vancouver, BC, Canada.
125. Weisenburger DD, **Sanger WG** and Armitage JO (1991). Abnormalities of Chromosome 11q13 in Non-Hodgkin's Lymphoma (NHL). The American Society of Hematology 33rd Annual Meeting.
126. Pirruccello SJ, Lang MS and **Sanger WG** (1991). PBE1: A Pre-B Acute Lymphoblastic Leukemia Cell Line Derived from Long Term Bone Marrow Culture. The American Society of Hematology 33rd Annual Meeting. Blood, Suppl 1 78:39a
127. Gordon B, Warkentin P, Weisenburger D, Vose J, **Sanger WG**, Strandjord S, Anderson J, Verdirame J, Bierman P, Armitage J and P. Coccia (1991). Bone Marrow Transplantation for Relapsed Peripheral T-Cell Lymphoma in Children and Young Adults. The American Society of Hematology 33rd Annual Meeting, Denver, CO.
128. Gordon B, Weisenburger D, Warkentin P, Anderson J, **Sanger WG**, Bast M, Gnarra D, Vose J, Bierman P, Armitage J and Coccia P (1991). Peripheral T-Cell Lymphoma in Childhood: A Clinicopathologic Study of 22 Patients. The American Society of Hematology 33rd Annual Meeting.
129. Bashir R, Kallweit K, Masih A, **Sanger WG** and Fordyce-Boyer R (1992). Tumorigenicity of

- Epstein-Barr Virus (EBV) Infected B-Cells (IBC's) in SCID Mouse Brain. 1992 AAN Scientific Program, "1990-2000 Decade of the Brain". 44th Annual Meeting of Neurology, San Diego, CA.
130. Masih A, Weisenburger D, Nakamine H, **Sanger WG**, Chan WG and Armitage J (1992). The t(14;18) Chromosomal Abnormality Does Not Predict Patients with Diffuse Large B-Cell Lymphoma. United States and Canadian Academy of Pathology, Atlanta, GA. *Modern Pathol* 5:82A.
  131. Ing PS and **Sanger WG** (1992). Should All Cytogenetic Laboratory Findings be Reported? Consensus Draft Policy Statement Regarding Content of Cytogenetic Laboratory Reports. *Am J Hum Genet* 51(4): A81.
  132. Anderson JR, Vose JM, Bierman PJ, Weisenburger D, **Sanger WG**, Pierson J, Bast M and Armitage JO (1992). Clinical Features and Prognosis of Follicular Large Cell Lymphoma (FLCL): A Report from the Nebraska Lymphoma Study Group (NLSG). ASCO Annual Meeting, San Diego, CA.
  133. Liu XD, Gottberg W, Schaefer GB, Fordyce-Boyer R, Kuhl L and **Sanger WG** (1992). Shorter Colcemid Exposure Time Significantly Increases Chromosome Band Level in "In-situ" Amnio Harvest. ACT Meeting, Mayo Clinic, Rochester, MN.
  134. Hess MM, Nashelsky MB, Reboloso FC, Mosier KS, Fordyce-Boyer R, Weisenburger D and **Sanger WG** (1992). Cytogenetic Abnormalities in B-Immunoblastic Lymphoma. ACT Meeting, Mayo Clinic, Rochester, MN.
  135. Soe MJ, Higgins C, Reboloso FC and **Sanger WG** (1992). Preliminary Results Utilizing Origen's GCT-CM to Enhance Mitotic Index and Morphology in Bone Marrow Studies from Patients with Hematologic Disorders. ACT Meeting, Mayo Clinic, Rochester, MN.
  136. Traystman MD, Schulte N, MacDonald M and **Sanger WG** (1992). Mutation Analysis for Cystic Fibrosis for 167 Sperm Donors from the Nebraska Genetics Semen Bank. American Society of Human Genetics, San Francisco, CA.
  137. Pickering D, Zaleski D, Nelson M, Huston S, Schaefer GB and **Sanger WG** (1992). Probable i(Yp) Found in a Postpubertal Male. Proceeding of the 7th Annual Cytogenetic Workshop, Kansas City, MO.
  138. Traystman M, Schulte N, Colombo J, Sammut P, Reilly P, Patel C, Acquizzino D, Samanel B, Anderson R, Kimberling W, Schaefer GB and **Sanger WG** (1992). Mutation Analysis and Haplotype Correlations for 139 CF Patients from the Nebraska Regional Cystic Fibrosis Center. 6th Annual North American CF Conference, Washington, DC. *Hum Mutat*, 2:7-15.
  139. Weisenburger W, Vose J, Gordon B, Rison D, Bast M, **Sanger WG** and Chan W (1992). Is the 2;5 Chromosomal Translocation Specific for CD30-Positive Anaplastic Large Cell Lymphoma? Academy of Pathology Meetings, Augusta, GA. *Modern Pathol*, 6:103A.
  140. Ing P and **Sanger WG** (1992). Should All Cytogenetic Laboratory Findings be Reported? Consensus Draft Policy Statement Regarding Content of Cytogenetic Laboratory Reports. American Society of Human Genetics. San Francisco, CA.
  141. Nelson M, Fordyce-Boyer R and **Sanger WG** (1993). Risk Evaluations for Cytogenetic Abnormalities in Patients with Low and Elevated Maternal Serum Alpha-fetoprotein (MSAFP) Levels. ACT 18th Annual Meeting. Boston, MA.
  142. Higgins C, Soe MJ and **Sanger WG**. Origen GCT-CM Enhances Mitotic Index and Chromosome

Morphology in Bone Marrow from Patients with Hematologic Disorders. ACT 18th Annual Meeting. Boston, MA.

143. Hess M, Fordyce-Boyer R, Mosier K, Rebolloso F and **Sanger WG** (1993). Cytogenetic Abnormalities in Non-Hodgkin's Lymphoma. ACT 18th Annual Meeting. Boston, MA.
144. Zaleski D and **Sanger WG** (1993). Is the Loss and Gain of an X Chromosome a Normal Feature of Aging in Women? ACT 18th Annual Meeting. Boston, MA.
145. Masih A, Weisenburger D, Nakamine H, **Sanger WG**, Chan WG, Anderson J and Armitage J (1993). A Clinicopathologic Analysis of t(14;18) in Uniformly Treated De Novo Diffuse Large-Cell Lymphoma. American Society of Hematology, Augusta, GA.
146. Wooldridge TN, Hershfield M, **Sanger WG**, Pirruccello SJ, Strandjord SE, Soe MJ and Coccia PF (1993). Hematopoietic Engraftment Following Allogeneic Bone Marrow Transplantation (BMT) in a Child with Severe Combined Immune Deficiency (SCID). American Society of Hematology. St. Louis, MO.
147. Bishop MR, Wu AG, Joshi SS, Jackson JD, **Sanger WG**, Iversen PL, Tarantolo S, Bayever E, Sharp JG, Zon G, Kessinger A and Armitage JO (1994). Effects of Antisense Oligonucleotides B3A2 and B2A2 on K562 Cell Line and Normal Human Peripheral Blood Progenitor Cells. 2nd International Symposium on Autograftment and Chronic Myelogenous Leukemia. Portofino, Italy.
148. Carstens J, Pickering D, Zaleski D and **Sanger WG** (1994). Cytogenetic and FISH Analysis for the Detection of Deletions in Patients with Prader-Willi and Angelman Syndromes. Association of Cytogenetic Technologists 19th Annual Meeting. San Diego, CA.
149. Mosier K, Higgins C, Pickering D, Fordyce-Boyer R, Coccia P and **Sanger WG** (1994). Bone Marrow and Peripheral Stem Cell Engraftment Monitoring Using Cytogenetics and FISH. Association of Cytogenetic Technologists 19th Annual Meeting. San Diego, CA.
150. Novak K, Schaefer GB, Steele D, Smith S, Buehler B, Pickering D, Zaleski D and **Sanger WG** (1994). Familial Inverted Duplication of 7p. Association of Cytogenetic Technologists 19th Annual Meeting. San Diego, CA.
151. Rebolloso F, Haskins Olney A, Severa S, Huston S, Pickering D, Reiser G, Fordyce-Boyer R and **Sanger WG** (1994). Prenatal Diagnosis of Deletion 22q in Cases of Tetralogy of Fallot. Association of Cytogenetic Technologists 19th Annual Meeting. San Diego, CA.
152. Kuhl L, Rebolloso F, Fordyce-Boyer R and **Sanger WG** (1994). Pregnancy Outcome Following Ureaplasma Isolation from Amniotic Fluid and Subsequent Treatment. Association of Cytogenetic Technologists 19th Annual Meeting. San Diego, CA.
153. Beiraghi S, Haskins Olney A, **Sanger WG** and Mabry T (1994). Terminal Deletion of the Long Arm of Chromosome 1 [del(1)(q43)] and Premature Exfoliation of Primary Teeth. American Society of Human Genetics. Montreal Quebec, Canada.
154. Bridge JA, **Sanger WG**, Seemayer T, Gutkin D and DeBoer J (1994). Gonadal Sex Chromosome Complement in Individuals with Sex Chromosomal and/or Gonadal Disorders. American Society for Human Genetics. Montreal Quebec, Canada.
155. Bishop MR, Joshi SS, Jackson JD, Wu AG, **Sanger WG**, Iverson PL, Bayever E, Sharp JG, Zion G and Kessinger A (1994). Purging of Peripheral Blood Progenitor Cells with Antisense Oligonucleotide Directed Against BCL-ABL for Chronic Myelogenous Leukemia. American Society of Hematology. Nashville, TN.

156. Sharp JG, Bishop M, Chan J, Greiner T, Joshi SS, Kessinger A, Reed E, **Sanger WG**, Tarantolo S, Traystman M and Vose J (1995). Detection of Minimal Residual Disease (MRD) in Hematopoietic Tissue. Bone Marrow Transplantation in the 90's into the 20th Century. The New York Academy of Sciences, Orlando, FL.
157. Jershin B, Jackson JD, Bishop MR, Iversen P, Joshi SS, **Sanger WG**, Gombold DH, Keane SK, Lastovica JR, Letheby B, Thomas R, Ward W, Whalen VL and Warkentin PI (1995). Ex Vivo Treatment of Peripheral Blood Stem Cells (PBSC) with Oligonucleotide C-MYB for Chronic Myelogenous Leukemia (CML).
158. Higgins C, Pickering D, Reboloso F, Hsu P and **Sanger WG** (1995). Prenatal Screening of Uncultured and Cultured Amniocytes Utilizing Direct Label Probes (VYSIS). ACT Annual Meeting, San Antonio, TX.
159. Pickering D, Higgins C, Mosier K, Nelson M, Leibowitz M and **Sanger WG** (1995). Valid Control Data is Imperative for Accurate Interphase FISH Interpretation. ACT Annual Meeting, San Antonio, TX.
160. Leroux D, Jenkins R, **Sanger WG**, Witzig T, Wong E and Hsu P (1995). Reproducibility of Spectrum CEP 12 DNA Probe Kit for Enumeration of Trisomy 12 in Patients with CLL: A Multi-Center Clinical Validation Study. American Society of Hematology Conference, Seattle, WA.
161. Mathew P, Valentine MB, **Sanger WG**, Weisenburger DD, Valentine V and Morris SW (1995). Detection of the t(2;5)(p23;q35) of Non-Hodgkin's Lymphoma by Two-Color Fluorescence In Situ Hybridization (FISH). American Society of Hematology Conference, Seattle, WA.
162. Weisenburger DD, Gascoyne RD, Bierman PJ, Shenkier T, Horsman D, Anderson JR, Chan WC, Greiner TC, Connors JM, Vose JM, Armitage JO and **Sanger WG** (1996). Clinical Significance of the t(14;18)(q32;q21) in Follicular Large Cell Lymphoma (FLCL). International Association of Pathologists, Washington, DC.
163. Wu CD, Wickert RS, **Sanger WG**, Chan WC and Weisenburger DD (1996). Mantle Cell Lymphoma with Both PRAD1 and BCL-2 Gene Rearrangements. Report of Two Cases. International Association of Pathologists, Washington, DC.
164. Olney AH, MacDonald MR, Schaefer GB and **Sanger WG** (1996). Atypical Clinical Presentation of Patients with 22q Microdeletions. 3rd Joint Clinical Genetics Meeting of the American College of Medical Genetics. 27th March of Dimes Clinical Genetics Conference. San Antonio, TX.
165. Chan CM, Beiraghi S and **Sanger WG** (1996). Genomic Imprinting. UNMC COD Graduate Student Table Clinic Professionals' Day, Lincoln, NE.
166. Hess M, Higgins C, Liu XD and **Sanger WG** (1996). Preliminary Study Involving a Commercial Cell Growth Supplement on Sixteen Lymphoid Tissue Samples. 21st Annual Association of Cytogenetic Technologists, Norfolk, VA.
167. Zaleski D, Novak K and **Sanger WG** (1996). Rapid Cytogenetic Results (24-hours) for Aneuploidy. 21st Annual Association of Cytogenetic Technologists, Norfolk, VA.
168. Reboloso FC, Fordyce-Boyer R, Severa Huston S, Carstens J, Anderson K and **Sanger WG** (1996). Implications of Ureaplasma Isolation from Amniotic Fluid and Pregnancy Outcome. 21st Annual Association of Cytogenetic Technologists, Norfolk, VA.
169. Becker TA, Olney AH, **Sanger WG**, Ardinger HH and Persons DL (1996). Two Translocation Families with Identical Rare del(8p) and dup(12p): The Evolving Phenotype and Early

Overgrowth. American Society for Human Genetics, San Francisco, CA.

170. Rao VH, Schaefer GB, Bridge JA, Neff JR, **Sanger WG**, Singh RK, Delimont D and Buehler BA (1996). Stromal Cells of Human Giant Cell Tumor of Bone (GCT) Produce 92 kDa Type IV Collagenase/Gelatinase B (MMP-9). Smoking and Cancer Related Conference, Omaha, NE.
171. Higgins CM, **Sanger WG**, Pickering DL, Petersen MB and Coccia PF (1996). FISH to Monitor Engraftment After Bone Marrow Transplant (BMT) - An Illustrative Case Report. American Society of Human Genetics, San Francisco, CA.
172. Pickering DL, Morris SW, Mathew P, Hess, MM, Weisenburger DD and **Sanger WG** (1996). Detection of t(2;5) in Non-Hodgkin's Lymphoma Utilizing Two-Color FISH. American Society of Human Genetics, San Francisco, CA.
173. Pfeifer AL, Hess MM, Pickering D, Dave B, Zaleski D and **Sanger WG** (1997). 1p36 Rearrangements May Be Important in Non-Hodgkin's Lymphoma. 7th International Workshop on Chromosomes and Solid Tumors. Tucson, AZ.
174. Rao VH, Singh RK, Bridge JA, Neff JR, Schaefer GB, Delimont DC, Dunn CM, **Sanger WG** and Buehler BA (1997). Regulation of MMP-9 (92 kDa Type IV Collagenase/Gelatinase B) Expression in Stromal Cells of Human Giant Cell Tumor of Bone. 88th Annual Meeting of American Association for Cancer Research. San Diego, CA. Proceedings of the American Association for Cancer Research, pp. 406.
175. Curry C, Beiraghi S and **Sanger WG** (1997). Townes-Brocks Syndrome: A Case Report. 50th Annual Session of the American Academy of Pediatric Dentistry. Philadelphia, PA.
176. Ing PS, Carroll A, Cheung SW, DeWald GW, Gardner HA, **Sanger WG**, Schwartz S, VanDyke, DL, Vance G, Reidy J and Chen ATL (1997). Mosaicism in Amniotic Fluid Cultures: The CYTO 2000 Subcommittee Study1 and Paradigm for Future Studies. (Poster) 4th Joint Clin Genet Meeting Syllabus.
177. Huston S, Zaleski D, Olney A, Novak K, Pickering D, Higgins C, Brueggemann J and **Sanger WG** (1997). Prenatal Leukocyte Exchange in Twins Discordant for Trisomy 18. Association of Genetic Technologist, Portland, OR. Applied Cytogenetics 23(4) 101.
178. Higgins C, Pickering D and **Sanger WG** (1997). Characterization of dic(1;7) by Two-Color FISH. Association of Genetic Technologist, Portland, OR.
179. Carstens J, Welsh M, Brueggemann J, Dave B, Pfeifer A, Reboloso F and **Sanger WG** (1997). Prenatal Diagnosis of 46,XY/47,XXX - Outcome. Association of Genetic Technologist, Portland, OR.
180. Rao CH, Singh RK, Schaefer GB, Delimont DS, Bridge JA, Neff JR, Garvin BP, **Sanger WG** and Buehler BA (1997). Induction of MMP-9 Expression In Stromal Cells of Giant Cell Tumor of Bone by Tumor Necrosis Factor- . 50th Annual Symposium on Fundamental Cancer Research: Molecular Determinants of Cancer Metastasis. Houston, TX.
181. Tarantolo SR, Bishop MR, Pavletic ZS, **Sanger WG**, Warkentin PI, Zacharias D, Armitage JO and Kessinger A (1997). High-Dose Cytarabine (HiDAV) and Allogeneic Blood Stem Cell (BSC) Transplant for Relapsed Leukemia. American Society of Hematology 39th Annual Meeting, San Diego, CA.
182. Rao VH, Singh RK, Delimont DC, Bridge JA, Neff JR, **Sanger WG**, Pickering DL, Buehler BA and Schaefer GB (1997). Role of Matrix Metalloproteinase and Their Regulations in Giant Cell Tumor

of Bone. Society of Biological Chemists, Visakhapatnam, India.

183. Rao VH, Buehler BA, Delimont DC, **Sanger WG** and Schaefer GB (1997). Regulation of Matrix Metalloproteinase in Invasion and Metastasis: Biology, Diagnosis, and Inhibitors. Golden Jubilee Celebration, Department of Biochemistry, Nagpur University, Nagpur, India.
184. Tarantolo SR, Bishop MR, Pavletic ZS, **Sanger WG**, Warkentin PI, Zacharias D, Armitage JO and Kessinger A (1997). High-Dose Cytarabine (HiDAC) and Allogeneic Blood Stem Cell (BSC) Transplant for Relapsed Leukemia. American Society of Hematology, San Diego, CA.
185. Rao VH, Singh RK, Delimont DC, Bridge JA, Neff JR, Pickering DL, **Sanger WG**, Buehler BA and Schaefer GB (1998). Interleukin-1 Upregulates the Expression of Gelatinase B (92-kDa type IV collagenase) in Giant Cell Tumor of Bone. American Association for Cancer Research, New Orleans, LA.
186. Dave BJ, Pickering DL, Hess MM, Weisenburger DD, Armitage JJ and **Sanger WG** (1998). Rearrangements of Chromosomes 1p36 in Non-Hodgkin's Lymphoma. American Association for Cancer Research, New Orleans, LA.
187. Carstens JM, Zaleski D, Pickering D, MacDonald M, Olney A and **Sanger WG** (1998). Subtle Constitutional Telomeric Deletions. Association of Genetic Technologist, Indianapolis, IN.
188. Zaleski DH, Schaefer GB and **Sanger WG** (1998). FISH Reveals Presence of Yp Material in 46,XX Male. Association of Genetic Technologist, Indianapolis, IN.
189. Higgins C, Pickering D and **Sanger WG** (1998). Comparison of Dual-Fusion and Single-Fusion BCR / ABL Translocation Probes. Association of Genetic Technologist, Indianapolis, IN.
190. Dave BJ, Pickering DL, Hess MM, Weisenburger DD, Armitage JO and **Sanger WG** (1998). Rearrangements of Chromosome Band 1p36 and Loss of a Putative Tumor Suppressor Gene in Non-Hodgkin's Lymphoma. (Poster presentation) 17th International Cancer Congress. Rio de Janeiro, Brazil.
191. Cairo MS, Sposto R, Perkins SL, Meadows AT, Hoover-Regan ML, Anderson JR, Siegel SE, Lones MA, Tedeschi-Blok N, Kadin ME, Kjeldsberg CR, Wilson JF, **Sanger WG**, Morris E, Krailo MD and Finlay JL (1998). Significant Improvement in Survival in Children with Disseminated Burkitt's or Burkitt-like Lymphoma Over the Past Quarter Century: A Children's Cancer Group Report. American Society of Clinical Oncology (ASCO) Annual Meeting and The American Society of Hematology, December 2000.
192. Anderson A, Zaleski D, Pickering D, Dougherty C, Clark-Pierce L and **Sanger WG** (1998). der(18)t(5;18)(q35.1;p11.32).ish der(18)(wcp5+, D18Z1+). GPGSN Cytogenetics/Molecular Diagnostic Workshop. Iowa City, IA.
193. Craft J, Huston S, Zaleski D, Pickering D, Anderson A and **Sanger WG** (1998). Trisomy 22 Mosaicism. GPGSN Cytogenetics/Molecular Diagnostic Workshop. Iowa City, IA.
194. Pfeifer A and **Sanger WG** (1998). Rare Chromosome Polymorphism. GPGSN Cytogenetics/Molecular Diagnostic Workshop. Iowa City, IA.
195. Berg TG, Smith CV, **Sanger WG** and Welsh MS (1999). Pregnancy Outcomes in Patients with Elevated Down Syndrome Risk vs. Isolated Elevation in hCG Alone. Society for Maternal-Fetal Medicine. San Francisco, CA.
196. Willis E, Kollath J and **Sanger WG** (1999). Variant Ph1 Translocations: Clinical Outcomes

Following Bone Marrow Transplantation. Midwest Student Biomedical Research Forum. Omaha, NE.

197. Zhang Q, Cui X, Siebert R, Rakestraw K, Naeve C, Hinzmann B, Weisenburger DD, **Sanger WG**, Nowotny H, Vesely M, Rosenthal A, Schlegelberger B and Morris SW (1999). BCL10, A Novel Caspase Recruitment Domain (CARD)-Containing Gene, Overexpressed in Malt Lymphoma with t(1;14)(p22;q32). American Society of Hematology.
198. Rao VH, Singh RK, Finnell RH, Delimont D, Bridge JA, Neff JR, **Sanger WG**, Buehler BA and Schaefer GB (1999). Activation of cAMP Inhibits TNF- Induced MMP-9 (92-kDa type IV collagenase/gelatinase B) Expression in Stromal Cells of Human Giant Cell Tumor of Bone. American Association for Cancer Research, Philadelphia, PA.
199. Rao VH, Singh RK, Finnell RH, Delimont D, Batra K, Lawson TA, **Sanger WG**, Buehler BA and Schaefer GB (1999). Expression of MMP-2 and MMP-9 from Hamster Pancreatic Ductal Adenocarcinoma. American Association for Cancer Research, Philadelphia, PA.
200. Dave BJ, Arcaroli JJ, Trivedi AH, Pickering DL, Hess MM, Weisenburger DD, Armitage JO and **Sanger WG** (1999). Fluorescence in situ hybridization (FISH) Reveals a New Recurrent Rearrangement in Non-Hodgkin's Lymphoma. American Association for Cancer Research, Philadelphia, PA.
201. Dave BJ, Singh RK, Varney ML, Bast MA, Weisenburger DD, Armitage JO and **Sanger WG** (1999). Allelic Loss at Chromosome 1p36 and n-myc Amplification in Non-Hodgkin's Lymphoma. American Association for Cancer Research, Philadelphia, PA.
202. Carstens JM, Pickering D, Zaleski D and **Sanger WG** (1999). Chromosome Imbalance Resulting from Recombination of a Paternally Inherited Inverted Chromosome 22. 24th Annual AGT Meeting, Orlando, FL.
203. Reboloso F, Anderson K, Welsh M, Fordyce-Boyer R and **Sanger WG** (1999). Pregnancy Outcome Following Abnormal Triple Screens. 24th Annual AGT Meeting, Orlando, FL.
204. Pfeifer A, Pickering D, Higgins C, Blair H, Anderson A and **Sanger WG** (1999). The Incidence of Rb1 Deletions in Multiple Myeloma. 24th Annual AGT Meeting, Orlando, FL.
205. Clark-Pierce LS, Pickering D, Blair H, Norgren RB and **Sanger WG** (1999). Conservation of DNA Sequences Between Rhesus Monkey and Human Demonstrated by Fish. 24th Annual AGT Meeting, Orlando, FL.
206. Norgren RB, Ojeda SR, Pickering DL and Sanger WG (1999). Kallmann's Syndrome. European Developmental Biology Congress, Oslo, Norway.
207. Gordon B, **Sanger WG**, Weisenburger D, Bast M, Pickering D, Hess M, Bierman P, Vose J, Harper J, Abromowitch M, Armitage J and Coccia P (1999). Cytogenetics Abnormalities in Non-Hodgkin's Lymphoma (NHL) and Hodgkin's Disease (HD) in Children: The Nebraska Lymphoma Study Group Experience. American Society of Pediatric Hematology/Oncology, Montreal Canada. J Ped Hematol/Oncol 21:331.
208. **Sanger WG**, Hess MM, Pickering D, Higgins C and Nelson M (1999). Workshop: Nomenclature Problems and Possibilities. 14th Annual Great Plains, Great Lakes, and Mountain States Cytogenetics and Molecular Genetics Workshop, Omaha, NE.
209. Pickering D, Aoun P, Weisenburger D, Wiggins M and **Sanger WG** (1999). Is Pediatric T-cell ALCL Always Associated with an ALK Rearrangement? American Society for Human Genetics,

San Francisco, CA.

210. Higgins C, Hess M, Gordon B and **Sanger WG** (1999). Comparison of Secondary Cytogenetic Abnormalities in Pediatric T-cell versus B-cell Lymphomas. American Society for Human Genetics, San Francisco, CA.
211. Ing PS, Johnson C, Patil SR and **Sanger WG** (1999). Great Plains Cytogenetic Laboratory Trend Between 1986-1996. American Society for Human Genetics, San Francisco, CA.
212. Dave BJ, Pickering DL, Hess MM, Joshee LN, Singh RK, Weisenburger DD, Armitage JO and **Sanger WG** (1999). Rearrangements of Chromosome Band 1p36 and Loss of a Putative Tumor Suppressor Gene in Non-Hodgkin's Lymphoma. 1999 Annual Stohlman Scholar Symposium, Leukemia Society of America, New York City, NY.
213. Dave BJ, Singh RK, Varney ML, Bast MA, Weisenburger DD, Armitage JO and **Sanger WG** (1999). Allelic loss at chromosome 1p36 and n-myc amplification in non-Hodgkin's Lymphoma. Proceedings of AACR, 40:136-137.
214. Aoun P, Pickering D, Greiner TC, Chan WC, Weisenburger DD, Morris SM and **Sanger WG** (2000). Cytogenetic Analysis of the ALK Gene in Anaplastic Large Cell Lymphoma of B-Cell Type by Interphase FISH on Paraffin-Embedded Tissue. United States and Canadian Academy of Pathology, Atlanta, GA.
215. Dave BJ, Hess MM, Weisenburger DD, Chan WC, Armitage JO and **Sanger WG** (2000). Chromosomal Abnormalities in Hodgkin's Disease. Proceedings of the American Association for Cancer Research Annual Meeting, San Francisco, CA, Proceedings of American Association for Cancer Research, 41:760.
216. Dave BJ, Singh RK, Joshee L, Weisenburger DD, Armitage JO and **Sanger WG** (2000). CDC2L1 Gene Expression in Non-Hodgkin's Lymphoma. Proceedings of the American Association for Cancer Research Annual Meeting, San Francisco, CA. Proceedings American Association for Cancer Research, 41:776.
217. Nelson M, Blair H, Carstens JM, Dave B, Hess M, Higgins C, Pickering D, Chan J, Greiner T, Weisenburger D and **Sanger WG** (2000). Utilization of M-fish in Cases of Diffuse Large Cell Lymphoma to Further Delineate Chromosomal Abnormalities. AGT Meeting, Scottsdale, AZ.
218. Huston S, Zaleski D, Grebb C, Hanna M, Patil S, Lutz R and **Sanger WG** (2000). Supernumerary "Marker" Chromosomes of 8 Origin. AGT Meeting, Scottsdale, AZ.
219. Zaleski D, Olney A, Hagemoser K and **Sanger WG** (2000). Deletion 22q13.31 - A Clinically Recognizable Entity? AGT Meeting, Scottsdale, AZ.
220. Weisenburger DD, Chai C, Pickering D, Clark-Pierce L, Huang J, Aoun P, Greiner TC, Chan, WC and **Sanger WG** (2000). The t(8;14) and t(14;18) Are Found in Both Burkitt and Burkitt-Like Lymphomas in All Age Groups. Application for the Stowell-Orbison Award and the Autopsy Pathology Award. 90th Annual Meeting of the U.S. and Canadian Academy of Pathology, Atlanta, GA. Modern Pathol.
221. Huang JZ, **Sanger WG**, Pickering DL, Greiner TC, Staudt LM, Lynch JC, Weisenburger DD, Armitage JO and Chan WC (2000). CD10, BCL-2, and BCL-6 Protein Expression and t(14;18)(q32;q21) in Two Subtypes of Diffuse Large B-Cell Lymphoma Defined by Gene Expression Profiles. 90th Annual Meeting of the U.S. and Canadian Academy of Pathology, Atlanta, GA. Modern Pathol 14:167A, 2001.



222. Dave BJ, Pickering DL, Hess MM, Joshee L, Singh RK, Weisenburger DD, Armitage JO and **Sanger WG** (2000). Fluorescence in situ hybridization reveals a new recurrent rearrangement in non-Hodgkin's Lymphoma. Proceedings of Stohlman Scholar Symposium.
223. Pickering DL, Dave BJ, Nelson M, Hess MM, Weisenburger DD, Chan W, Armitage J, **Sanger WG** (2001). Interphase FISH Analysis of Selected Chromosomal Regions in Diffuse Large-Cell Lymphomas. American Association of Cancer Research, New Orleans, LA.
224. Blair H, Dave B, Pickering D, Pavletic S and **Sanger WG** (2001). Interphase FISH Supplements Conventional Cytogenetics in CLL and SLL Diagnoses. Association for Genetic Technologists Annual Meeting, Minneapolis, MN.
225. Carstens JM, Zhang J, Huang C, Pickering D and **Sanger WG** (2001). The Use of Chromosomal Microdissection to Identify a Derivative Chromosome. Association of Genetic Technologists Annual Meeting, Minneapolis, MN.
226. Lynch HT, **Sanger WG**, Pirricello S, Quinn-Laquer B and Weisenburger DD (2001). Response RE: Familial Multiple Myeloma: A Familial Study and Review of the Literature. Journal of the Natl Cancer Institute, 93(19):1479-1483.
227. Pickering D, Dave B and **Sanger WG** (2001). Interphase FISH Defines Characteristic Chromosomal Abnormalities in Diffuse Large B-cell Lymphomas. The American Society of Human Genetics, San Diego, CA.
228. Higgins CM, Blair H, Dave B and **Sanger WG** (2001). Deletions of 13q14 Are Significant in The Diagnosis of Multiple Myeloma. The American Society of Human Genetics, San Diego, CA.
229. **Sanger WG**, Lones M, Perkins S, Heerema N, Shiramizu B, Sposto R, Davenport S, Goldman S and Cairo MS (2001). Chromosome Abnormalities in B-Cell Non-Hodgkin's Lymphoma (NHL) of Children and Adolescents: A Report from Children's Cancer Group (CCG) Study CCG-5961. National Childhood Cancer Foundation, San Antonio, TX.
230. Sharma P, **Sanger WG**, Dave BJ and Greiner T (2002). Cytogenetic Abnormalities in the Posttransplant Lymphoproliferative Disorders. 93rd Annual Meeting of the United States and the Canadian Academy of Pathology, Chicago IL. Modern Pathol, 15;263A.
231. Aoun P, Blair H, Hock L, Lynch J, **Sanger WG**, Weisenburger D and Pavletic Z (2002). Clinicopathologic Study of Chromosomal Abnormalities Detected by Interphase FISH Cytogenetics in B-Cell Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma (B-CLL/SLL). XI Meeting European Association for Haematopathology, Siena, Italy.
232. **Sanger WG**, Lones M, Perkins S, Heerema N, Shiramizu B, Sposto R, Davenport V, Goldman S and Cairo MS (2002). Chromosome Abnormalities in B-Cell Non-Hodgkin Lymphoma (NHL) of Children and Adolescents: A Report from Children's Cancer Group (CCG) Study CCG-5961. California, 8th International Conference on Malignant Lymphoma, Lugano, Switzerland. Ann Oncol, 13(2):138.
233. **Sanger WG**, Perkins S, Pickering D, Abromowitch M, Sposto R, Lones M, Bergerson S and Cairo MS (2002). Analysis of a Large Cohort of Childhood Anaplastic Large Cell Lymphoma (ALCL) by Immunohistology and FISH: Differential ALK Gene Rearrangement and Expression. California, 8th International Conference on Malignant Lymphoma, Lugano, Switzerland.
234. Lones M, **Sanger WG**, Sposto R, Perkins S, Buckley J, Kjeldsberg C, LeBeau M, Meadows A, Siegel S, Abromowitch M, Kersey J, Bergerson S and Cairo MS (2002). Chromosome

Abnormalities in Advanced Lymphoblastic Lymphoma (LBL) in Children and Adolescents May Correlate with Prognosis: A Report from Children's Cancer Group (CCG) Study CCG-E-08. California, 8th International Conference on Malignant Lymphoma, Lugano, Switzerland.

235. Lones M, **Sanger WG**, Sposto R, Perkins S, Buckely J, Kadin M, Kjeldsberg C, LeBeau M, Meadows A, Siegel S, Bergeron S and Cairo MS (2002). Chromosome Abnormalities in Burkitt's/Burkitt-like Lymphomas of Children and Adolescents May Correlate with Prognosis: A Report from Children's Cancer Group (CCG) study CCG-E-08. Presented, American Association for Cancer Research. Proceedings of the American Association for Cancer Research, 43:1072, #5309.
236. Hempel T, Dave BJ, Nelson M, Carstens J, Zaleski D and **Sanger WG** (2002). Absence of 1p36 Deletions in Referrals for a "Possible Prader-Willi Phenotype". 27th Annual AGT Meeting, Cincinnati, OH. J Assoc Genet Technologists, 28:95.
237. Huston S, Dave BJ, Zaleski D, Blair H, Carstens J, Wiggins M and **Sanger WG** (2002). Unusually Large Heterochromatic Regions of Chromosomes 1, 9, and 16. : "Normal Variants" or Possible Clinical Relevance?, 27th Annual AGT Meeting, Cincinnati, OH. J Assoc Genet Technologists, 28:101.
238. Haberer B, Dave BJ, Higgins C, and **Sanger WG** (2002). Direct Bone Marrow processing is important in certain Hematologic Disorders. 27th Annual AGT Meeting, Cincinnati, OH. J Assoc Genet Technologists, 28:102, 2002.
239. Zaleski D, Olney A and **Sanger WG** (2002). Dandy-Walker - A Heterogeneous Malformation. 27th Annual AGT Meeting, Cincinnati, OH. J Assoc Genet Technologists, 28:110.
240. Heerema NA, **Sanger WG**, Perkins S, Sposto R, Davenport V, Goldman S and Cairo MS (2002). High Frequency of CMYC Rearrangements, 1q21-1q23 Duplications and Complex Karyotypes in B-Cell Non-Hodgkin Lymphoma (NHL) of Children and Adolescents: A Report from Children's Cancer Group (CCG) Study CCG-5961. American Society of Hematology, Philadelphia, PA. Blood, 100:566A.
241. Heerema NA, Shuster J, Biegel J, Camitta B, Cooley LD, Hirsch B, Magenis HE, Patil S, Pettenati MJ, Pullen J, Raimondi SC, Pao K, Schneider NR, Roulston D, **Sanger WG**, Sather, HN, Sutcliff MJ, vanTuinen P, Watson MS and Carroll AJ (2002). Pattern of Extra Chromosome in Pediatric Hyperdiploid (50-67 chromosomes) Acute Lymphoblastic Leukemia (ALL) is Modal Number (mn) Dependent. American Society of Hematology, Philadelphia, PA.
242. Huang JZ, **Sanger WG**, Greiner TC, Staudt LM, Weisenburger DD, Pickering DL, Lynch JC, Armitage JO, Warnke RA, Alizadeh AA, Lossos IS, Levy R and Chan WC (2002). The t(14;18) Defines a Unique Subset of Diffuse Large B-Cell Lymphoma with a Germinal Center B-Cell Gene Expression Profile. American Society of Hematology. Blood, 99(7) 2285-2290.
243. Taggart RT, Kelley PM, Cohn ES, Kimberling WJ, **Sanger WG**, Nelson M, Kenyon J and Smith SD (2003). Analysis of GJB2 Heterozygotes for Mutations Affecting Connexin 26 Expression. Association for Research in Otolaryngology, Dayton Beach, FL.
244. Fu K, Palanisamy N, **Sanger WG**, Chan WC, Greiner TC, Aoun P, Chaganti RSK and Weisenburger DD (2003). Recurrent Genomic Alterations in Splenic Marginal Zone B-cell Lymphoma. United States & Canadian Academy of Pathology Annual Meeting, Washington, DC.
245. Fu K, Sodoris E, Chan WC, Pickering DL, Greiner TC, Aoun P, **Sanger WG** and Weisenburger DD (2003). IgVH Gene Mutation and Chromosome 7q Deletion in Splenic Marginal Zone B-cell

- Lymphoma. United States & Canadian Academy of Pathology Annual Meeting, Washington, DC.
246. Weisenburger DD, Fu K, Pickering DL, Aoun P, Greiner TC and **Sanger WG** (2003). C-MYC Rearrangement in Typical Burkitt and Atypical Burkitt Lymphoma. United States & Canadian Academy of Pathology Annual Meeting, Washington, DC.
247. Aoun P, Wiggins M, Pickering DL, Rasheed H, Pavletic S, Foran J and **Sanger WG** (2003). Deletions of the Derivative Chromosome 9 in Chronic Myelogenous Leukemia (CML Detected by Interphase FISH are Present Only in Cases with Variant Philadelphia (Ph) Chromosomes. US and Canadian Academy of Pathology, 92nd Annual Meeting, Washington, DC.
248. Dave BJ, Hess MD, Pickering DL, Weisenburger DD, Chan WC and **Sanger WG** (2003). Mantle Cell Lymphoma, the Presence of t(11;14)(q13;q32) and Secondary Chromosomal Changes: A Combined Cytogenetic and FISH Analyses. American Association of Cancer Research (AACR) 94th Meeting, Toronto, Ontario, Canada Proceedings of the American Association for Cancer Research, 44:807.
249. Dave BJ, Hess MM, Pickering DL, Weisenburger DD, Chan WC and **Sanger WG** (2003). Cytogenetic and M-FISH Studies in Pediatric and Adult Hodgkin's Disease (Poster Presentation). First International Symposium on Childhood and Adolescent Non-Hodgkin's Lymphoma. New York, NY. J Pediatr Hematol Oncol, 25(4).
250. Pickering DL, Dave BJ, Chan WC, Weisenburger DD and **Sanger WG** (2003). Combined Tissue Array and Interphase FISH Analyses of Diffuse Large B-Cell Lymphomas (poster). First International Symposium on Childhood and Adolescent Non-Hodgkin's Lymphoma. New York, NY. J Pediatr Hematol Oncol, 25(4): April 2003.
251. Higgins CM, Dave BJ, Weisenburger DD, Chan WC, Hess MM and **Sanger WG** (2003). Pediatric DLBCL: A Cytogenetic Analysis of Nebraska Cases (Poster Presentation). First International Symposium on Childhood and Adolescent Non-Hodgkin's Lymphoma. New York, NY.
252. Wiggins ML, **Sanger WG**, Pickering DL, Fu K, Weisenburger DD and Dave BJ (2003). Incidence of C-MYC and BCL2 Rearrangements in Pediatric SNCL (poster). First International Symposium on Childhood and Adolescent Non-Hodgkin's Lymphoma. New York, NY. J Pediatr Hematol Oncol, 25(4).
253. **Sanger WG**, Perkins SL, Pickering D, Abromowitch M, Lones MA, Bergerson S and Cairo MS (2003). Analysis of a Large Cohort of Childhood Anaplastic Large Cell Lymphoma (ALCL) by Immunohistochemistry and FISH: Differential ALK Gene Rearrangement and Expression (poster). First International Symposium on Childhood and Adolescent Non-Hodgkin's Lymphoma. New York, NY. J Pediatr Hematol Oncol, 25(4).
254. Lones MA, **Sanger WG**, Perkins S, Sposto R, Buckley J, Kadin M, Kjeldsberg C, LeBeau M, Meadows A, Siegel S, Abromowitch M, Finley J, and Cairo MS (2003). Chromosome Abnormalities in Advanced Stage T/Null Anaplastic and Peripheral T Large Cell Lymphoma (LCL) of Children and Adolescents: A Report from Children's Cancer Group (CCG) Study CCG-E-08 (poster). 1st International Symposium on Childhood and Adolescent Non-Hodgkin's Lymphoma. New York, NY. J Pediatr Hematol Oncol, 25(4).
255. Greiner TC, Sharma P, **Sanger WG** and Dave BJ (2003). Cytogenetic Abnormalities in Posttransplant Lymphoproliferative Disorders (poster). First International Symposium on Childhood and Adolescent Non-Hodgkin's Lymphoma. New York, NY. J Pediatr Hematol Oncol, 25(4).

256. Dave BJ, Jain S, Hess MM, Weisenburger DD and **Sanger WG** (2003). The t(2;5) And Secondary Chromosome Anomalies In Pediatric And Young Adult Anaplastic Large Cell Lymphoma (poster). First International Symposium on Childhood and Adolescent Non-Hodgkin's Lymphoma. New York, NY. *J Pediatr Hematol Oncol*, 25(4).
257. Watson P, Tarantolo S, Wiernik PH, Weisenburger DD, Hogg D, Laquer BQ, **Sanger WG** and Lynch HT (2003). Hereditary Multiple Myeloma (MM): An International Consortium for MM Family Studies. IX International Workshop on Multiple Myeloma, Salamanca, Spain.
258. Kanev I, Zaleski D, Dave BJ and **Sanger WG** (2003). Larger Stalks and Satellites of Chromosome 21 in Patients with Down Syndrome. 28th Annual AGT Meeting, Atlanta, GA
259. Hausman M, Higgins C, Wiggins M, Dave BJ and **Sanger WG** (2003). Is Peripheral Blood an Acceptable Tissue for Molecular Cytogenetic Monitoring for CML? 28th Annual AGT Meeting, Atlanta, GA.
260. Nelson M, Taggart RT, Kelley PM, Cohn ES, Kimberling WJ, Smith SD and **Sanger WG** (2003). Fluorescence in Situ Hybridization (Fish) Analysis of Subjects with Connexin 30 (Gjb6)-associated Deletions and Nonsyndromic Hearing Loss. 28th Annual AGT Meeting, Atlanta, GA.
261. Nipper MK, Pickering DL, Pint JC, Dave BJ and **Sanger WG** (2003). Neocentromere Marker with Tetrasomy 6p: Inverted Duplication of 6p25 pter. 28th Annual AGT Meeting, Atlanta, GA.
262. Taggart R, Cohn E, Kelley P, Kimberling W, **Sanger WG**, DiMaio D, Nelson M, Kenyon J and Smith S (2003). Analysis of GJB2 Heterozygotes for Mutations Affecting Connexin 26 Expression. ASHG meeting, Los Angeles, CA.
263. **Sanger WG**, Swansbury J, Poirel H, Heerema N, Talley P, Bernheim A, Sposto R, Cairo MS, Patte C, Ullrich F, Weston C, Lones M, Raphael M, Wotherspoon A and Gerrard M (2003). Primary (8q24) and Secondary Chromosome Abnormalities (1q, 6q, 13q, & 17p) are Similar in Pediatric Burkitt Lymphoma/Burkitt Leukemia & Burkitt-like Lymphoma: A Report of the International Pediatric B-cell Non-Hodgkin Lymphoma Study (FAB/LMB 96). American Society of Hematology, San Diego, CA.
264. Heerema N, Perkins S, **Sanger WG**, Poirel H, Bernheim A, Swansbury J, Talley P, Patte C, Gerrard M, Raphael M, McCarthy K, Auperin A, Sposto R, Weston C and Cairo MS (2003). Chromosomal Rearrangements of Pediatric and Adult Diffuse Large B-cell Lymphoma (CLBCL) Differ, Potential Differences in Oncogenesis? An International Pediatric Mature B-cell non-Hodgkin Lymphoma Study (FAB/LMB 96). American Society of Hematology, San Diego, CA.
265. Poirel H, Heerema N, Swansbury J, Auperin A, **Sanger WG**, Talley P, Raphael M, Perkins S, Wotherspoon A, McCarthy K, Gerrard M, Cairo MS, Bernheim A and Patte C (2003). Prognostic Value of Recurrent Chromosomal Alterations in Pediatric B-cell Non-Hodgkin Lymphoma (NHL): Report of 238 Cases from the International FAB/LMB96 Study. American Society of Hematology, San Diego, CA.
266. Rasheed H, **Sanger WG**, Lynch H, Aoun P, Wiggins M, Pavletic SZ and Foran JM (2003). Presence of Occult 9q34 Deletions Does Not Predict Event-Free or Overall Survival in Philadelphia Positive Chronic Myeloid Leukemia (CML) Patients Treated with Allogeneic Stem Cell Transplantation. American Society of Hematology, San Diego, CA.
267. Greiner TC, Rosenwald A, Chiorazzi M, Smith L, Lynch J, Chan WC, Weisenburger DD, **Sanger WG**, Gross T, Coad J and Staudt L (2004). Gene Expression Profiling by cDNA Microarray in Post-Transplant Lymphoproliferative Disorders. United States and Canada Academy of

Pathology, Vancouver, British Columbia.

268. Fu K, Weisenburger DD, Greiner TC, Ott G, Delabie J, Jaffe ES, Braziel RM, Müller-Hermelink HK, Siebert R, Gesk S, Pickering DL, Dave BJ, **Sanger WG**, Smith LM, Gascoyne RD, Rosenwald A, Chiorazzi M, Staudt LM and Chan WC (2004). Cyclin D1-Negative Mantle Cell Lymphoma: A Study of Nine Cases. United States and Canada Academy of Pathology, Vancouver, British Columbia.
269. Hans CP, Dave BJ, **Sanger WG**, Aoun P, Greiner TC, Pickering DL, Smith LM, Vose JM, Armitage JO and Weisenburger DD (2004). Follicular Large Cleaved Cell Lymphoma: An Unrecognized Morphologic Variant of Grade 3 Follicular Lymphoma. United States and Canada Academy of Pathology, Vancouver, British Columbia.
270. Dave BJ, Weisenburger DD, Higgins CM, Hess MM, Chan WC and **Sanger WG** (2004). Cytogenetics of Diffuse Large B-cell Lymphoma in Children and Young Adults. 95th Annual Meeting of American Association for Cancer Research, Orlando, FL.
271. Van Dyke Z, Greiner T, Nelson M, Suijkerbuijk R, Livermore C, **Sanger WG** and Dave BJ (2004). Comparative Genomic Hybridization in Post-transplant Lymphoproliferative Disorders. 29th Annual AGT Meeting, Anaheim, CA.
272. Wiechman K, Higgins C, Wiggins M, Dave BJ and **Sanger WG** (2004). Does Increased Culture Time and/or Il-4 Improve the Detection of Cytogenetic Abnormalities in Multiple Myeloma? 29th Annual AGT Meeting, Anaheim, CA.
273. Kanev I, Zaleski D, Van Dyke AZ, Hempel T, Wiggins M, Olney A, Dave BJ and **Sanger WG** (2004). A Rare Form of Down Syndrome Mosaicism and Unusual Parental Cytogenetic Characteristics. 29th Annual AGT Meeting, Anaheim, CA.
274. White E, Hemstreet G, Wiggins M, Pickering D, **Sanger WG** and Dave BJ (2004). Comparison of FISH Studies on Voided Urine and Bladder Washings for Detection of Bladder Cancer Recurrence. 29th Annual AGT Meeting, Anaheim, CA.
275. Wiggins M, Dave BJ, Higgins C and **Sanger WG** (2004). ABL (9q34) Rearrangements in BCR/ABL Fusion Negative Acute Lymphoblastic Leukemia. 29th Annual AGT Meeting, Anaheim, CA.
276. Coufal KA, Schaefer GB, Zaleski D, Kanev I, Johnson V, Dave BJ and **Sanger WG** (2004). A de novo Duplication of 12q23.1-12q24.31. 29th Annual AGT Meeting, Anaheim, CA.
277. Chai T, Nelson M, Pickering D, Mathews K, Johansson S, Miloro M, **Sanger WG** and Bridge JA (2004). Cytogenetic Finding of a Solitary Myofibroma. 29th Annual AGT Meeting, Anaheim, CA.
278. Lim AST, Chia P, Raman S, Lim TC, Pickering D, Zaleski D, **Sanger WG** and Tien SL (2004). A Case of Pure Partial Duplication 3q in a Fetus Due to a Maternally Inherited der(5)ins(5;3)(q33.1;1q26.2q27) Delineated by FISH. 29th Annual AGT Meeting, Anaheim, CA.
279. Dave BJ, Chan WC, Weisenburger DD, Hess MM and **Sanger WG** (2004). Early Second Cytogenetic Changes in t(14;18) Positive Follicular Lymphoma. 54th Annual Meeting of American Society of Human Genetics, Toronto, Canada.
280. Higgins C, Schaefer GB, VanDyke Z, Hempel T, Pickering D, Nelson M, **Sanger WG** and Dave BJ (2004). Implications of dup(8)9q24.1qter and/or del(15)(q26.1qter) in Fryns Syndrome. 54th Annual Meeting of American Society of Human Genetics, Toronto, Canada.

281. Aoun P, Zhao G, Chan WC, Quinn-Laquer B, Watson P, Lynch J, **Sanger WG**, Lynch T and Weisenburger DD (2005). Immunoglobulin Heavy Chain Gene (IgVH) Usage and Immunophenotypic Profile in Hereditary B-Cell Chronic Lymphocytic Leukemia (B-CLL) Associated with del13q14. United States and Canadian Academy of Pathology Annual Meeting, San Antonio, TX.
282. Nelson M, Neppalli V, **Sanger WG**, Dave B, Coad J, VanDyke Z and Greiner T (2005). Comparative Genomic Hybridization in Monomorphic Post-Transplant Lymphoproliferative Disorders. United States and Canadian Academy of Pathology Annual Meeting, San Antonio, TX.
283. Heerema N, **Sanger WG**, Hirsch B, Biegel J, Magnis ME, McGavran L, Patil S, Rao K and Roulston D (2005). Importance of Review for Cooperative Group Cytogenetic Studies: A Report from the Children's Oncology Group (COG).
284. Dave BJ, Weisenburger DD, Wing CC, Jain S, Hess MM and **Sanger WG** (2005). Cytogenetic Changes in Follicular Lymphoma with a Diffuse Large Cell Component. 96th Annual Meeting of American Association for Cancer Research, Anaheim, CA. Clin Res 46: 1151, 2005.
285. Williamson JE, Dave BJ, Zaleski DH, Nelson M, Golden D, Wiechman K, Olney A and **Sanger WG** (2005). Utilization of High Resolution Chromosome Analysis, FISH, and cCGH to Characterize a dup(13q). 30th Annual AGT meeting, Kansas City, MO.
286. Nelson M, Pickering D, Golden D, Olney A, Schaefer GB, Dave BJ and **Sanger WG** (2005). Imbalances within Regions Containing Large-Scale Copy-Number Variations in Individuals with Developmental Abnormalities: When Does Normal Become Abnormal? 30th Annual AGT meeting, Kansas City, MO.
287. Carstens J, Dave BJ, Zaleski D, Wiggins M, Hempel T and **Sanger WG** (2005). Duplications and Triplications of 15q11-12 and Associated Phenotypes. 30th Annual AGT meeting, Kansas City, MO.
288. Wiechman K, Livermore C, Golden D, Nelson M, Olney A, **Sanger WG** and Dave BJ (2005). An Investigation of Deleted Areas on Chromosome 4. 30th Annual AGT meeting, Kansas City, MO.
289. Huston S, Olney A, Anderson K, Welsh M, Zaleski D, **Sanger WG** and Dave BJ (2005). Prenatal Detection of a Familial der(18)t(9;18) and a de novo Balanced t(7;11): A Complicated Pregnancy and Outcome. 30th Annual AGT meeting, Kansas City, MO.
290. Zaleski D, Sanger TM, Olney A, Pickering D, Nelson M, **Sanger WG** and Dave BJ (2005). Cryptic Duplication and Deletion of 9q24.3→qter in a Family with a t(9;22)(q34.3;p11.2). 30th Annual AGT meeting, Kansas City, MO.
291. Huston S, Olney A, Anderson K, Welsh MS, Zaleski D, **Sanger WG** and Dave D (2005). Prenatal Detection of a Familial der(18)t(9;18) and a de novo Balanced t(7;11): A Complicated Pregnancy and Outcome. 30th Annual AGT meeting, Kansas City, MO.
292. Livermore C, Nelson M, Wiechman K, Olney A, Welsh MS, Anderson K, Dave B and **Sanger WG** (2005). Multiple Cytogenetic Techniques Facilitate the Discovery of a Translocation in a Nine year-old POC Case. 30th Annual AGT meeting, Kansas City, MO.
293. Pierson D, Nelson M, Olney A, Pickering D, Golden D, Dave BJ and **Sanger WG** (2005). Chromosome 8 Microdeletion in CHARGE. 30th Annual AGT meeting, Kansas City, MO.
294. Poirel HA, Heerema N, Swansbury J, Auperin A, Launay E, **Sanger WG**, Talley P, Raphael M, Perkins S, McCarthy K, Gerrard K, Cairo MS, Bernheim A and Patte C (2005). Cytogenetic

Analysis of 237 Pediatric Mature B-Cell Non-Hodgkin Lymphoma (NHL) Cases (FAB/LMB96) Exhibits Several Patterns of Chromosomal Alterations and New Prognostic Factors. Lugano Lymphoma Conference, Lugano, Switzerland.

295. Olney A, **Sanger WG**, Burson C, Nelson M and Pierson D (2005). CHARGE Syndrome Due to de novo CHD7 Gene Deletion. David W. Smith Workshop on Malformations and Morphogenesis, Iowa City, IA.
296. Iqbal J, Patel K, Ji J, Shen Y, Dave BJ, Weisenburger DD, Greiner TC, Horsman DE, Campo E, Rosenwald A, Gascoyne RD, Jaffe ES, Rimsza L, McKeithen T, Staudt LM, **Sanger WG** and Chan WC (2005). For the Leukemia/Lymphoma Molecular Profiling Project (LLMPP). Distinctive patterns of BCL6 molecular alterations in different subsets of Diffuse Large B-Cell Lymphoma and their functional consequences. Blood (ASH Annual Meeting Abstracts), 106.
297. Poirel HA, Heerema N, Swansbury J, Auperin A, Launay E, **Sanger WG**, Talley P, Raphael M, Perkins S, McCarthy K, Gerrard K, Cairo MS, Bernheim A and Patte C (2005). Cytogenetic Analysis of 237 Pediatric Mature B-Cell Non-Hodgkin Lymphoma (NHL) Cases (FAB/LMB96) Exhibits Several Patterns of Chromosomal Alterations and New Prognostic Factors. 47th American Society of Hematology Annual Meeting.
298. d'Amore F, Chan E, Li X, Iqbal J, Chan WC, **Sanger WG** and Dave BJ (2005). Clonal Genetic Progression in t(14;18)-positive Follicular Lymphomas. 47th American Society of Hematology Annual Meeting Abstracts, 106: 995.
299. Fu K, Weisenburger DD, Pickering DL, **Sanger WG**, Dave BJ, Greiner TC and Chan WC (2006). Identification of Recurrent Genomic Alterations in Burkitt and Burkitt-like Lymphoma Using Array-Based Comparative Genomic Hybridization. USCAP Annual meeting, Atlanta, GA..
300. Chan E, Xizo L, Iqbal J, Sherman S, Hess MM, **Sanger WG**, Chan WC and Dave BJ (2006). Clonal Genetic Progression in t(14;18)-positive Follicular Lymphoma. American Association for Cancer Research, Washington, DC.
301. Dave BJ, Weisenburger DD, Aoun P, Jain S, Hess MM, Pickering DL and **Sanger WG** (2006). Secondary genetic abnormalities in anaplastic large cell lymphoma. The 97th Annual meeting of American Association for Cancer Research, Washington DC.
302. Brothman AR, Aston E, Whitby H, South S, Issa B, Xu J, Chen Z, Pickering DL, **Sanger WG** and Williams M (2006). Application of Array CGH Testing to Clinical Cytogenetics - What Should We Do? 39th American Cytogenetics Conference, Lake Lanier, GA.
303. Fu K, Chan WC, Pickering DL, Weisenburger DD, Greiner TC, Dave BJ and **Sanger WG** (2006). Identification of Recurrent Genomic Alterations in Burkitt Lymphoma Using Array-Based Comparative Genomic Hybridization (CGH). Second International Symposium on Childhood, Adolescent and Young Adult Non-Hodgkin's Lymphoma, New York, NY. *Pediatr Blood Cancer*, 46(7) 848-849.
304. Nelson M, Dave BJ, Heerema NA, Perkins SL, Cairo MS, Abromowitch M, Lones MA and **Sanger WG**. Cytogenetic Findings in Childhood Lymphoblastic Lymphoma: Preliminary Report from the Children's Oncology Group Phase III Study COG A5971. New York, NY. *Pediatr Blood Cancer*, 46(7) 864.
305. Zaleski D, Nelson M, Dave BJ, Heerema NA, Perkins SL, Cairo MS, Lones M, Abromowitch M, Livermore C, Sanmann J and **Sanger WG** (2006). Molecular Cytogenetic (FISH) Findings in Lymphoblastic Lymphoma: Preliminary report from the Children's Oncology Group Phase III

- study. Second International Symposium on Childhood, Adolescent and Young Adult Non-Hodgkin's Lymphoma, New York, NY. *Pediatr Blood Cancer*, 46(7) 840.
306. Dave BJ, Weisenburger DD, Aoun P, Jain S, Hess MM, Pickering DL and **Sanger WG** (2006). Secondary Genetic Abnormalities in Anaplastic Large Cell Lymphoma. Second International Symposium on Childhood, Adolescent and Young Adult Non-Hodgkin's Lymphoma, New York, NY. *Pediatr Blood Cancer*, 46(7) 857.
307. Miles RR, Raphael M, McCarthy K, Wotherspoon A, Lones M, Cairo MS, Patte C, Gerrard M, Auperin A, Sposto R, Davenport G, **Sanger WG**, Heerema N, Poirel H, Bernhiem A, Swansbury J, Talley P and Perkins SL (2006). Expression of BCL2 and C-MYC in Pediatric Diffuse Large B-Cell Lymphoma. Second International Symposium on Childhood, Adolescent and Young Adult Non-Hodgkin's Lymphoma, New York, NY. *Pediatr Blood Cancer*, 46(7) 860.
308. Goldman S, Davenport G, Lynch J, Perkins S, Shiramiza B, **Sanger WG** and Cairo MS (2006). Rituximab (R) Pharmacokinetics in Pediatric Patients with Newly Diagnosed Advanced Stage B-cell Lymphoma and Leukemia: Results of a Subpilot of COG Study ANHLO1P1. Second International Symposium on Childhood, Adolescent and Young Adult Non-Hodgkin's Lymphoma, New York, NY.
309. Poirel HA, Heerema NA, Swansbury J, Auperin A, Launay E, **Sanger WG**, Talley P, Raphael M, Perkins S, McCarthy K, Sposto R, Weston C, Gerrard M, Cairo MS, Bernheim A and Patte C (2006). Cytogenetic Analysis of 238 Pediatric Mature B-Cell Non-Hodgkin Lymphoma (NHL) Cases from the Randomized International FAB LMB96 Trial Identifies Several Patterns of Chromosomal Abnormality and New Prognostic Factors. Second International Symposium on Childhood, Adolescent and Young Adult Non-Hodgkin's Lymphoma, New York, NY. *Pediatr Blood Cancer*, 46(7) 835.
310. Rubin EM, Lones MA, Harrison-Monge J, **Sanger WG**, Cameron K and Kirov II (2006). Primary Anaplastic Large Cell Lymphoma of the Skin. Second International Symposium on Childhood, Adolescent and Young Adult Non-Hodgkin's Lymphoma, New York, NY. *Pediatr Blood Cancer*, 46(7) 855.
311. Golden D, Pickering D, Wiechman K, Olney A, Lutz R, Dave B, and **Sanger WG** (2006). Array-CGH Identifies Submicroscopic Duplication of Common Microdeletion Regions 7q11.23, 16p13.3, and 22q11.2. 31st Annual AGT meeting, Baltimore, MD.
312. Wood A, Cattano P, Hempel T, Fordyce-Boyer R, Williamson J, Dave B and **Sanger WG** (2006). Interphase FISH Serves as a Useful Adjunct in Non-viable Products of Conception. 31st Annual AGT meeting, Baltimore, MD.
313. Althof P, Nelson M, Kennportz B, Persidski L, **Sanger WG** and Bridge JA (2006). Cytogenetic Abnormalities in a Case of Malignant Pecomia Arising in the Retroperitoneum. 31st Annual AGT meeting, Baltimore, MD.
314. Kanev I, Pickering D, Wiggins M, Milev A, Kril A, Dave B and **Sanger WG** (2006). CCND1 Duplication in a Breast Cancer Patient with Thyroid and Respiratory Disease. 31st Annual AGT meeting, Baltimore, MD.
315. Lincoln J, Gilfillan T, Pickering D, Meltesen L, **Sanger WG** and McGavran L (2006). Four Unrelated Cases with a Cryptic Micro-Duplication within Chromosome Band 8q21.2. 31st Annual AGT meeting, Baltimore, MD.
316. Hempel T, Wiggins M, Zaleski D, Huston S, Anderson K, Dave BJ and **Sanger WG** (2006), Three



- CEP18 FISH Signals in Amniocytes and a Clinically Normal Fetus. 31st Annual AGT meeting, Baltimore, MD.
317. Wiechman K, Livermore C, Pickering D, Olney A, Nelson M, Dave BJ and **Sanger WG** (2006). Further Characterization of Prader-Willi Angelman Region. 31st Annual AGT meeting, Baltimore, MD.
318. Chai T, Pickering D, Nelson M, Higgins C, Tarantolo S, **Sanger WG** and Dave B (2006). Cytogenetic and FISH Investigations in Familial Multiple Myeloma. 31st Annual AGT meeting, Baltimore, MD.
319. Krebs K, Pickering D, Zaleski D, Hempel T, Nielsen S, Schaefer GB, **Sanger WG** and Dave BJ (2006). Duplication of Xp22.3 Detected by CGH-Microarray Investigation. 31st Annual AGT meeting, Baltimore, MD.
320. Tucker, T, Olney A, Zaleski D, **Sanger WG** and Dave BJ (2006). Prenatal and follow-up studies in 45,X/47,XXX mosaicism. To be presented at The 31st Annual Meeting of Association of Genetic Technologists. 31st Annual AGT meeting, Baltimore, MD.
321. Dave BJ, Pickering DL, Golden DM, Wiechman KJ, Schaefer GB, Olney A, Lutz RE and **Sanger WG** (2006). Duplication of Common Microdeletion Regions Detected by Array-CGH. 11th International College of Human Genetics. Brisbane, Australia.
322. Cairo MS, Davenport V, Lynch J, Shiramizu B, **Sanger WG**, Perkins S and Goldman S (2006). Children's Oncology Group, Arcadia, CA, USA, Columbia University, New York, NY, USA. Rituximab Pharmacokinetics in Children Following Rituximab + FAB Therapy in Advanced B-NHL Treated on COG ANHL01P1: Preliminary Results Suggest Similar Rituximab CMAX +T1/2 Compared to Adults. International Society of Pediatric Oncology. Geneva, Switzerland.
323. Pickering DL, Golden DM, Stroebele RJ, Dave BJ and **Sanger WG** (2006). Array-CGH Increases Detection Rate of Constitutional Chromosome Abnormalities. 56th Annual American Society of Human Genetics Meeting, New Orleans, LA. ASHG Abstracts 817C pg 165, 2006.
324. Higgins C, Pickering D, Wiggins M, Zaleski D, Olney A, Schaefer GB, Dave BJ and **Sanger WG** (2006). Array-CGH Further Defines Constitutional Supernumerary Marker Chromosomes (SMCs). 56th Annual American Society of Human Genetics Meeting, New Orleans, LA. ASHG Abstracts 844C, pg 169, 2006.
325. Wiggins M, Pickering D, Zaleski D, Kanev I, Nielsen S, Schaefer GB, Dave BJ and **Sanger WG** (2006). Combined Use of Cytogenetics, FISH, and Array-CGH in Detection of Interstitial Deletion. 56th Annual American Society of Human Genetics Meeting, New Orleans, LA, October 9-13, 2006, ASHG Abstracts 847C, pg 170, 2006.
326. Bierman P, Loberiza F, Dave B, **Sanger WG**, Bociek G, Bast M, Vose JM, Armitage JO and Weisenburger DD (2006). Significance of c-myc Rearrangements in Diffuse Large B-cell Lymphoma. American Society of Hematology, Orlando, FL.
327. Choi WWL, Fu K, Dave BJ, **Sanger WG**, Chan WC, Hans CP, Greiner TC and Weisenburger DD (2007). Follicular Lymphomas with BCL6 Rearrangements but Without t(14;18): Frequent Deceptive Histological Features Leading to Diagnosis Pitfalls. United States and Canadian Academy of Pathology Annual Meeting, San Diego, CA.
328. Nelson M, Wiechman K, Nipper M, Althof P, Wiggins M, Fu K, Dave B and **Sanger WG** (2007). A Novel IGH Rearrangement Resulting from a t(9;14)(p24;q32) in Diffuse Large B-cell Lymphoma:

A Case Report. 32nd Annual AGT Meeting, Denver, CO.

329. Novak K, Zaleski D, Nipper M, Wiggins M, Hempel T, Kanev I and **Sanger WG** (2007). Mosaicism and Isodicentric Yq in Two Phenotypic Females and Two phenotypic Males. 32nd Annual AGT Meeting, Denver, CO.
330. Sanmann J, Williamson J, Nielsen S, Eudy J, Buehler B and **Sanger WG** (2007). Novel Mutation of Probable Clinical Significance Identified at Base 562 (562C>T) in Exon 4 of the MECP2 Gene Region. 32nd Annual AGT Meeting, Denver, CO.
331. Kanev I., Pickering D, Wiggins M, Milev A, Kril A, Dave B and **Sanger WG** (2007). CCND1 Duplication in a Breast Cancer Patient with Thyroid and Respiratory Disease. 32nd Annual AGT Meeting, Denver, CO.
332. Zaleski D, Dave BJ, Olney AH, Pickering D, Chipman H and **Sanger WG** (2008). Inherited Cryptic 14q Duplication and 21q Deletion: A Rare Adjacent-2 Segregation in Multiple Family Members. American College of Medical Genetics, Phoenix, AZ.
333. Hempel T, Sanmann J, Zaleski D, Nelson M, Olney AH, Dave BJ and **Sanger WG** (2008). Rec(X) Involving a MECP2 Duplication Resulting from a Maternal Inv(X). American College of Medical Genetics, Phoenix, AZ.
334. Goldman SLJ, Davenport V, Perkins S, Shiramizu B, **Sanger W**, Gross T, Harrison L, Bancroft M, Cairo MS (2008). Preliminary Results of a Phase II Study of Chemoimmunotherapy (Rituximab + FAB Chemotherapy) in Children and Adolescents with Intermediate Risk B-cell NHL: A Children's Oncology Group Report. 10th International Conference on Malignant Lymphoma (10-ICML) in Lugano, Switzerland.
335. Stevens J, Pickering D, Golden D, Schaefer GB, Dave BJ and **Sanger WG** (2008). Investigation of 74 Cases with Autism Spectrum Disorder (ASD) using aCGH. 33rd Annual AGT Meeting, Houston, TX.
336. Carstens JM, Pickering D, Olney A, Schaefer GB and **Sanger WG** (2008). Evolution of Testing for Chromosome 15q11-q13 Abnormalities during the Past Decade. 33rd Annual AGT Meeting, Houston, TX.
337. Schaaf T, Higgins C, Johnson D, Hess MM and **Sanger WG** (2008). Do You Know the CLL Success Secret in Conventional Metaphase Cytogenetics? 33rd Annual AGT Meeting, Houston, TX.
338. Huston S, Rush Y, Hempel T, Olney A, Chipman H and **Sanger WG** (2008). Isochromosome Neocentromere 15qter Mosaicism. 33rd Annual AGT Meeting, Houston, TX.
339. Starr L, Sanger WG, Pickering D, Skar G and Schaefer GB (2009). Diagnostic Evaluation of Autism Utilizing Array Comparative Genomic Hybridization in an Unselected Cohort Study of 69 Patients. American College of Medical Genetics.
340. Sanmann J, Schaefer GB, Buehler BA, Dave BJ and **Sanger WG** (2009). Recommended Algorithm for Testing of MECP2. American College of Medical Genetics.
341. Morovic A, Coulter DW, **Sanger WG**, Coccia PF and Aoun P (2009). Early-onset, EBV-negative PTLN in Pediatric Solid Organ Transplant Recipients: Spectrum of Plasma Cell Neoplasm with Favorable Prognosis. United States & Canadian Academy of Pathology Annual Meeting, Boston, MA.

342. Sanmann J, Schaefer GB, Buehler B, Dave BJ and **Sanger WG** (2009). Recommended Algorithm for Testing of MECP2. Munroe-Meyer Institute Interdisciplinary Forum, Omaha, NE.
343. Grigsby PL, Sparks KE, Sadowksy DW, **Sanger WG** and Novy MJ (2009). Maternal and Fetal Leukocyte Responses to Ureaplasma Intra-Amniotic Infections (IAI) and Azithromycin AZI Therapy. SGI Annual Meeting.
344. Goldman S, Lynch J, Harrison L, VandeVen C, Gross T, Shiramizu B, **Sanger WG**, Perkins S, and Cairo MS (2009). Safety and Kinetics of Rituximab (R) Following Chemoi-immunotherapy (Rituximab + FAB Chemotherapy) in Children and Adolescents with Mature B-cell Non-Hodgkin Lymphoma (B-NHL): A Children's Oncology Report. 3rd International Symposium on Childhood, Adolescent, and Young Adult Non-Hodgkin's Lymphoma. Frankfurt Germany. Hematology Meeting Reports, 3(5): 82.
345. Day NS, Ayello J, van de Ven C, Lim MS, Perkins S, **Sanger WG**, Harrison L, Goldman S and Cairo MS (2009). Reduced Expression of DLEU1 in Pediatric Burkitt Lymphoma (PBL) is Associated with Significant Decrease in Cyclophosphamide (CY) Induced Apoptosis: Potential Role of a Tumor Suppressor Gene. 3rd International Symposium on Childhood, Adolescent, and Young Adult Non-Hodgkin's Lymphoma. Frankfurt Germany, June 11-13 2009. Hematology Meeting Reports, 3(5):2. Hematology Meeting Reports, 3(5):19.
346. Miles RR, Nelson M, **Sanger WG**, Tripp SR, Day N, Cairo MS and Perkins SL (2009). The DLEU1 Network Protein Tubulin beta 2C is Expressed in a Subset of Pediatric Burkitt Lymphomas. 3rd International Symposium on Childhood, Adolescent, and Young Adult Non-Hodgkin's Lymphoma. Frankfurt Germany. Hematology Meeting Reports, 3(5):2.
347. Day NS, Ayello J, Waxman I, van de Ven C, Lim MS, Perkins S, **Sanger WG**, Harrison L, Goldman S and Cairo MS (2009). Genomic Network Signatures Between Pediatric (PBL) vs. Burkitt Lymphoma (ABL): A Children's Oncology Group Report. Third International Symposium on Childhood, Adolescent, and Young Adult Non-Hodgkin's Lymphoma. Frankfurt Germany, June 11-13 2009. Hematology Meeting Reports, 3(5):19.
348. Goldman S, Lynch J, Harrison L, VandeVen C, Gross T, Shiramizu B, **Sanger WG**, Perkins S and Cairo M (2009). Rituxmab Combined with FAB Group B4 Therapy in Children and Adolescents with Stage II/IV Mature B-NHL: A Children's Oncology Report. Third International Symposium on Childhood, Adolescent, and Young Adult Non-Hodgkin's Lymphoma. Frankfurt Germany.
349. Cairo M, Lynch J, Harrison L, Perkins S, **Sanger WG**, Gross T, Shiramizu B and Goldman S (2009). Preliminary Results of the Addition of Rasburicase (RU) and Rituximab (RM) to the FAB/LMB 96 Chemotherapy Backbone in Children and Adolescents (C+A) with Mature B-NHL: A Children's Oncology Group Report. Third International Symposium on Childhood, Adolescent, and Young Adult Non-Hodgkin's Lymphoma. Frankfurt Germany.
350. Cairo M and **Sanger WG** (2009). Reduced Expression of DLEU1 in Pediatric Burkitt Lymphoma (PBL) is Associate with Significantly Decrease Cyclophosphamide (CY) Induced Apoptosis: Potential Role of a Tumor Suppressor Gene. Oral Presentation at the Third International Symposium on Childhood, Adolescent, and Young Adult Non-Hodgkin's Lymphoma. Frankfurt Germany.
351. Jain S, Wiggins M, **Sanger WG** and Dave BJ (2009). Characterization of NK-Cell Leukemia by Cytogenetics and M-FISH. 34th Annual AGT Meeting, Jacksonville, FL.
352. Althof P, Dave BJ, Qiu F, Leuschen MP and **Sanger WG** (2009). Co-existence of Genetic

Abnormalities in Multiple Myeloma Detected by Fluorescence In Situ Hybridization. 34th Annual AGT Meeting, Jacksonville, FL.

353. Livermore C, Nelson M, Hempel T, Skar G, Pickering D, Dave, BJ, **Sanger WG** (2009). Development & Clinical Use of a Home-Brew FISH Probe on Chromosome Regions 16p11.2 in Autism Spectrum Disorders. 34th Annual AGT Meeting, Jacksonville, FL.
354. Martin CL, Kaminsky EB, Bunke B, Kunig D, DeLorenzo A, Kaul V, Huang K, Saul D, Pickering DL, Golden DM, **Sanger WG**, Aradhya,S and Ledbetter DH (2009). Over 8,700 Whole-genome Oligonucleotide Arrays by Clinical Diagnostic Laboratories. 59th Annual American Society of Human Genetics Meeting, Honolulu, HI.
355. Dave BJ, Wiggins M, Higgins CM and **Sanger WG** (2009). Frequency and Complexity of 10;11 Chromosomal Rearrangements in Pediatric & Adult AML. 59th Annual American Society of Human Genetics Meeting, Honolulu, HI.
356. Tsuchiya KD, Shaffer LG, Aradhya S, Biggerstaff J, Gastier-Foster J, Patel A, Rudd MK, **Sanger WG**, Schwartz S, Tepperberg J, Thorland E, Torchia B and Brothman A (2009). Variability in Interpreting & Reporting Copy Number changes Detected by Array-based Technology in Clinical Laboratories.59th Annual American Society of Human Genetics Meeting, Honolulu, HI
357. Day NS, Ayello J, van de Ven C, Lim MS, Perkins S, **Sanger WG**, Harrison L, Goldman S and Cairo MC (2009). DLEU1 siRNA Gene Knockdown is Associated with a Significant Reduction in Cyclophosphamide (CY) and/or Rituximab Induced Apoptosis in Burkitt Lymphoma (BL): Implication of DLEU1 as a Tumor Suppressor Gene. American Association for Cancer Research, Boston, MA. Poster ASH Annual meeting Abstracts, Blood 114(22):765;1928.
358. Goldman S, Lynch J, Harrison L, Gross T, Shiramizu B, **Sanger WG**, Perkins S and Cairo M (2009). Preliminary Results of the Addition of Rasburicase to the Reduction Cycle and Rituximab to the Induction and Consolidation Cycles of FAB Group C Chemotherapy in Children and Adolescents with Advanced Stage (Bone Marrow ± CNS) Mature B-cell Non-Hodgkin Lymphoma (B-NHL): A Children's Oncology Group Report. ASH Annual Meeting Abstracts, Blood 114(22):48;104.
359. Day NS, Ayello J, van de Ven C, Lim MS, Perkins S, **Sanger WG**, Harrison L, Goldman S and Ciaro M (2009). DLEU1 siRNA Gene knockdown in Burkitt Lymphoma (BL) is Associated with a Significant Decrease in Cyclophosphamide (CY) &/or Rituximab Induced Apoptosis: Mechanism of Drug Resistance in BL. A Children's Oncology Group Report. 51st ASH Annual Meeting & Exposition, New Orleans, LA.
360. Malik JT, Wiggins M, **Sanger WG**, Chang J, Ranheim EA, Swerdlow S, Serrano S, Gascoyne R, Chan JC, Campo E, Wang H, Tzankov A and Young KH (2010). Plasmacytic Differentiation in Mantle Cell Lymphoma. USCAP Meeting.
361. Martin CL, Kaminsky EB, Saul D, Pickering DL, Golden DM, Aston E, Gliem TJ, Ackley T, Huang S, Barber JC, Crolla JA, Iyer R, Thorland EC, Brothman AR, **Sanger WG**, Aracdhya S and Ledbetter DH (2010). The Frequency and Genomic Distribution of Segmental Duplication-Mediated Copy Number Variation Hotspot. ACMG meeting.
362. Starr LJ, Olney AH, Pickering D, **Sanger WG** and Truemper E (2010). Duplication of Terminal 20q Due to Paternal Pericentric Inversion: Case Report and Review of the Literature. ACMG Annual Meeting, Albuquerque, NM.
363. Day NS, Ayello J, Waxman I, van de Ven C, Lim MS, Perkins S, **Sanger WG**, Harrison L,

- Goldman S and Cairo MS (2010). Comparative Genomic Signatures in Pediatric Burkitt Lymphoma (PBL): Identification of Unique and Targetable Signal Transduction Pathways. Pediatric Academic Societies, Vancouver, BC, Canada.
364. Livermore C, Nelson M, Hempel T, Dave BJ and **Sanger WG** (2010). Optimizing Home-brew FISH to Facilitate Reduced Turn Around Time. AGT 35th Annual Meeting, Phoenix, A.
365. Strelbow R, Nelson M, Jain S, **Sanger WG** and Dave BJ (2010). Rearrangements of Both Homologues of Chromosome 14 in Lymphoma. AGT 35th Annual Meeting, Phoenix, AZ.
366. Ledbetter DH, Kaminsky EB, Saul D, Pickering DL, Golden DM, Aston E, Gliem TJ, Ackley T, Hang S, Barber JC, Colla JA, Iyer R, Thorland EC, Brothman R, **Sanger WG**, Aradhya W and Martin CI (2010). CNV Atlas for Autism: A Gene Discovery and Clinical Research. International Meeting for Autism Research.
367. Shiramizu B, Goldman S, Kusao I, Agsaida M, Lynch JC, Harrison L, Gross TG, **Sanger WG**, Perkins SL, Cairo MS and Children's Oncology Group; University of Hawaii (2010). Use of Immunoglobulin Heavy Chain Primer Pools to Assess Minimal Residual Disease/persistent Disease (Mrd/pd) in Children's and Adolescents with Mature B-cell Non-Hodgkins Lymphoma (B-NHL): A Children's Oncology Group Report. Abstract #50653, ASCO Annual Meeting, Honolulu, HI. Hematology Meeting Reports, 3(5):14.
368. Cairo MS, Lynch JC, Harrison L, Perkins SL, Shiramizu B, Gross TG, **Sanger WG**, Goldman S and Columbia University, New York; COG Data Center (2010). Safety, Kinetics and Outcome Following Rituximab® in Combination with FAB Chemotherapy in Children and Adolescents (C+A) with Stage III/IV (Group B) and BM+/CNS+ (Group C) Mature B-NHL: A Children's Oncology Group Report. Abstract # 42799, ASCO Annual Meeting, Honolulu, HI.
369. Livermore C, Nelson M, Hempel T, Dave BJ and **Sanger WG** (2010). Optimizing Home-brew FISH Protocol to Facilitate Reduced Turn Around Time. 35th Annual AGT Meeting, Phoenix, AZ.
370. Shiramizu B, Goldman S, Kusao I, Agsalda M, Lymch J, Harrison L, Gross T, **Sanger WG**, Perkins S and Cairo M (2010). Use of IgH Primer Pools to Assess MRD/PD in Children and Adolescents with Mature B-NHL: A Children's Oncology Group Report. American Society of Clinical Oncology Annual Meeting, Chicago, IL.
371. Uddin N, Toydemir R, Kaminsky EB, Saul D, Pickering DL, Golden DM, Shetty S, Gliem TJ, Ackley T, Huang S, Barber JC, Crolla JA, Iyer R, Thorland EC, Brothman AR, **Sanger WG**, Aradhya S, Ledbetter DH, Martin CL and South ST (2010). Prevalence of Particular Rearrangement Mechanisms Resulting in Multiple Imbalances Detected by Microarray: Results from the International Standard Cytogenomic Array (ISCA) Consortium public database. American Society for Human Genetics Annual Meeting, Washington DC.
372. Kaminsky EB, Mulle J, Kaul V, Saul D, Pickering DL, Golden DM, Aston E, Gliem TJ, Ackley T, Huang J, Paschall J, Church DM, Barbar JC, Crolla JA, Iyer R, Thorland EC, Shetty S, South S, Brothman AR, **Sanger WG**, Aradhya S, Rossi MR, Rudd MK, Ledbetter DH and Martin CL (2010). Towards evidence-based criteria for clinical interpretation of CNVs. American Society for Human Genetics Annual Meeting, Washington DC.
373. Kuhn BR, DeHaai KA, **Sanger WG**, Hynatzki G and Schaefer GB (2010). Behavioral Presentation of Children with Sotos Syndrome: A Genotype-Phenotype Correlative Study. Association for Behavioral and Cognitive Therapies. San Francisco, California.
374. Day NS, Ayello J, Waxman I, van de Ven C, Lim MS, Perkins S, **Sanger WG**, Harrison L,

- Goldman S and Cairo MS (2010). Comparative genomic identification of unique signal transduction pathways and targets in Pediatric Burkitt Lymphomas (PBL). American Society of Hematology 52nd Annual Meeting, Orlando, FL.
375. Shiramizu B, Goldman S, Smith L, Harrison L, van de Ven C, **Sanger WG**, Perkins S and Cairo, M (2011). Minimal Disseminated Disease/Residual Disease in Children and Adolescents with Mature B-Cell Non-Hodgkin Lymphoma (B-NHL) May Impact the risk of Relapse: A Children's Oncology Group Report. Lymphoma meeting, Lugano, Switzerland.
376. Barth MJ, Goldman S, Zhi J, Smith L, Harrison L, Perkins SL, Shiramizu B, Gross T, **Sanger WG** and Cairo MS (2011). Lymphoma meeting, Lugano, Switzerland.
377. Day NS, Ayello J, Miles R, Lim MS, Waxman I, van de Ven C, **Sanger WG**, Harrison L, Goldman S and Cairo MS (2011). Comparative Genomic Identification of Unique Signaling Pathways and Targets in Burkitt Lymphoma (PBL). Lymphoma meeting, Lugano, Switzerland.
378. Day, NS, Ayello J, Lim MS, Perkins S, Miles R, van de Ven C, **Sanger WG**, Harrison S, Goldman S and Cairo MS (2011). DLEU1 siRNA Gene Knockdown in Pediatric Burkitt Lymphoma (PBL) is Associated with a Significant Decreased in Drug Induced Apoptosis: Implication of DLEU1 as a Tumor Suppressor Gene. Lymphoma meeting, Lugano, Switzerland.
379. Goldman S, Smith L, Perkins S, Shiramizu B, Gross T, **Sanger WG**, Harrison L, and Cairo MS (2011). Outcome and Patterns of Failure Following Combined FAB Chemotherapy and Rituximab in Children and Adolescents with Stage II/IV, BM+ and/or CNS+ Mature B-NHL: A Children's Oncology Report. Poster and platform. Lugano, Switzerland.
380. Rodic V, Jahromi MS, Downie JJ, Tripp SR, Bayerl MG, **Sanger WG**, Perkins SL, Barnette P, Schiffman JD and Miles RR (2011). The Relationship Between Gene Copy Number and miRNA Expression in Pediatric Burkitt Lymphoma Tissue. Lugano, Switzerland.
381. Goldman S, Smith L, Perkins S, Shiramizu B, Gross T, **Sanger WG**, Harrison L and Cairo M (2011). Outcome and Pharmacokinetic (PK) Analysis of Adding RITUXIMAB to FAB Chemotherapy in Children and Adolescents with Advanced Mature B-NHL/Leukemia: A Children's Oncology Group Report. Lugano, Switzerland.
382. Starr LJ, Sanmann JN, Schaefer GB, Saronwala A, Pickering D, Stevens JM and **Sanger WG** (2011). Incomplete Penetrance, Partial Expressivity, or Benign Variant: Xp22.31 a Copy Number Variation Commonly Seen in Patients with Intellectual Disability and Autism. Munroe-Meyer Institute for Genetics and Rehabilitation, Omaha, NE. University Arkansas for Medical Sciences & Arkansas Children's Hospital, Little Rock, AR.
383. Pickering DL, Dave BJ, Golden DM, Stevens JM, Griess E and **Sanger WG** (2011). Challenges in Establishing the Clinical Impactions of Microarray Findings of Uncertain Clinical Significance.
384. Rush E, Stevens J, **Sanger WG** and Olney AH (2011). Munroe-Meyer Institute of Genetics and Rehabilitation. A Novel Deletion Syndrome Located at 7q34-36.1 in a Patient with Developmental Delay, Hearing Loss, Growth Retardation, and Cleft Lip and Palate. ACMG.
385. Sanmann J, Williamson J, Starr L, Haskins-Olney A, Buehler BJ, Dave BJ, **Sanger WG** (2011). Frameshift (G252fsX258) mutation in the MECP2 gene in a male/female sibling pair. ACMG, Vancouver.
386. Nelson M, Goldman SC, Perkins SL, Harrison L, Cairo MS, **Sanger WG** (2011). Isolated MYC rearrangement by cytogenetics/FISH in children and adolescents (C & A) with stage III/IV B-NHL

BM+ and/or CNS+ may have an improved outcomes following immunochemotherapy: a report from the Children's Oncology Group. Poster and Platform. Lugano, Switzerland.

387. Higgins C, Pickering D, Stevens J, **Sanger WG**, and Dave B (2011). Retrospective microarray analysis in diagnostic acute myeloid leukemia, ASHG-ICHG Meeting, Montreal, Quebec.
388. Pickering D, Dave B, Carstens J, Papugani A, Olney AH and **Sanger WG** (2011). Uniparental disomy detection in Prader Willi/Angelman syndrome cases utilizing microarray, ASHG-ICHG Meeting, Montreal, Quebec.
389. Wiggins M, Dave B, Pickering D, Stevens J, Golden D, Carstens J, Bishay D, Rush E, Lutz R and **Sanger WG** (2011). Intragenic De Novo Deletion of COL11A1 in a Patient with Stickler/Marshall Syndrome, ASHG-ICHG Meeting, Montreal, Quebec.
390. Zeng L, Zaleski D, Schaaf T, Golden D, Hempel T, Althof P, Bender G, **Sanger WG** and Dave BJ (2011). Characterization of a Constitutional Abnormality in a Bone Marrow Utilizing Microarray, AGT 36th Annual Meeting, Minneapolis, MN
391. Zaleski D, Pickering D, Hempel T, **Sanger WG** and Dave BJ (2011). Combination of Cytogenetics, FISH, and Microarray Resolves a Subtle Familial t(13;20). AGT 36th Annual Meeting, Minneapolis, MN.
392. Cairo MS, Day N, Goldmann S, **Sanger WG**, Harrison L, Lim MS, Miles RR and Perkins SL (2011). Genomic Pathways and Potential Therapeutic Targets in Pediatric Burkitt Lymphoma (PBL): A Children's Oncology Group Report, 53rd Annual ASH Meeting, San Diego, CA.
393. Goldman S, Galardy PJ, Smith L, Perkins SL, Shiramizu B, Gross T, **Sanger WG**, Harrison L and Cairo M (2011). The Efficacy of Rasburicase and Rituximab Combined with FAB Chemotherapy in Children and Adolescents with Newly Diagnosed Stage III/IV, BM+ and CNS+ Mature B-NHL: A Children's Oncology Group Report, 53rd Annual ASH Meeting, San Diego, CA.
394. Golden DM, Dave BJ, Pickering DL, Bishay DL, Fisher SA and **Sanger WG** (2012). Refining the 3q29 deletion syndrome region: Four case studies, Second Annual International Standards for Cytogenomic Arrays Consortium, Bethesda, MD.
395. Pickering DL, Dave BJ, Golden DM, Haggerty AA, Bishay DL, Smith RL, Fisher SA and **Sanger WG** (2012). Microarray benefits diagnostic pregnancy loss studies, 2012 ASHG Annual Meeting, San Francisco, CA.
396. Bishay D, Rush E, Golden D, Pickering D, Buehler B and **Sanger W** (2013). 40kb CNTAP2 deletion causing seizures, lack of speech and developmental delays-The Importance of Clinical Information in Microarray Results. 2013 ACMG Annual Clinical Genetics Meeting, Phoenix, AZ.
397. Dave BJ, Jing H, Sanmann JN, Althof PA, Wiggins ML, Higgins CM, **Sanger WG** and Akhtari M (2013). Combined Cytogenetic and FISH studies facilitate abnormality detection in Myelodysplastic Syndromes: A comprehensive analysis of 1132 consecutive specimens. Symposium on Myelodysplastic Syndromes. Berlin, Germany.
398. Livermore C, Nelson M, Dobesh R, Althof P, Dave B and **Sanger W** (2013). Two cases with a t(2;14)(p11.2;p32), duplication of 1q, and EBV-driven lymphoproliferative disorder. AGT 38th Annual Meeting, Las Vegas, NV.
399. Utter RA, Pickering DL, Althof PA, Wiggins ML, Higgins CM, **Sanger WG** and Dave BJ (2013). Investigation of partial deletion 14q32 (IGH region) in CLL. AGT 38th Annual Meeting, Las Vegas, NV.

400. Papugani AK, Pickering DL, Carter AC, **Sanger WG** and Dave BJ (2013). Familial CHRN3 deletion in a patient with autism. AGT 38th Annual Meeting, Las Vegas, NV.
401. Grove JE, Higgins CM, Wiggins ML, **Sanger WG** and Dave BJ (2013). Cytogenetic studies in myelodysplastic syndromes among children and young adults. AGT 38th Annual Meeting, Las Vegas, NV.
402. Nelson M, Jain S, **Sanger WG** and Dave BJ (2013). Complete characterization of cytogenetic abnormalities in classical Hodgkin lymphoma utilizing G-band and M-FISH analysis. AGT 38th Annual Meeting, Las Vegas, NV.
403. Dave BJ, Jing H, Sanmann JN, Althof PA, Wiggins ML, Higgins CM, **Sanger WG** and Akhtari M (2013). Combined Cytogenetic and FISH studies facilitate abnormality detection in Myelodysplastic Syndromes: A comprehensive analysis of 1132 consecutive specimens. 12th International Symposium on Myelodysplastic Syndromes, Berlin, Germany. *Leukemia Res* 37(1) May 2013.
404. Sanmann JN, Starr LJ, Olney AH, Buehler BA, Pickering DL, Golden D, Stevens JM, Dave BJ and **Sanger WG** (2013). Duplication of a Single Gene within the FGS3 Region in a Patient with FG Syndrome. International Standards for Cytogenomic Arrays Consortium, Bethesda, MD.
405. Golden DM, Bishay DL, Pickering DL, Dave BJ and **Sanger WG** (2013). A case study of GRIK1 deletion in a patient with seizures. International Standards for Cytogenomic Arrays Consortium, Bethesda, MD.
406. Pickering DL, **Sanger WG**, Lutz RE, Carstens JM, Wiggins M and Dave BJ (2013). Mosaic Maternal UPD15 in a Newborn with Complex Heart Defect. American Society of Human Genetics Annual Meeting, Boston, MA.
407. Higgins CM, Pickering DL, Wiggins ML, **Sanger WG** and Dave BJ (2013). The Impact of Microarray in Diagnosing Pediatric Acute Lymphocytic Leukemia. American Society of Human Genetics Annual Meeting, Boston, MA.
408. Starr LJ, Hammel JM, LeCaignec C, Sanmann JN, **Sanger WG** and Spicer RL (2014) Hajdu-Cheney syndrome: patient with rare and complex heart defect. ACMG Annual Meeting, Nashville, TN.
409. Bishay D, Carter A, Sanmann J, Starr L, Kaspar E, Evans J, Williamson J, Hagelstrom RT, Olney AH, Dave B and **Sanger W** (2014) Clinical and Laboratory Collaboration: Team Approach to Next Generation Sequencing Variant Interpretation. ACMG Annual Meeting, Nashville, TN.
410. Carter AC, Bishay DL, Sanmann JN, Starr, LJ, Conover EA, Hagelstrom RT, Dave B and **Sanger W** (2014). Genetic Testing for Dilated Cardiomyopathy: Ethical Dilemmas in Including PSEN1 and PSEN2. ACMG Annual Meeting, Nashville, TN.
411. Pickering DL, Golden DM, Stevens JM, Hempel TE, Althof PA, Wiggins ML, Starr LJ, Dave BJ and **Sanger WG**. (2014). Utility of Fluorescence In Situ Hybridization (FISH) to Confirm Copy Number Changes Identified by Microarray. ACMG Annual Meeting, Nashville, TN.
412. Hipp JA, Smith LB, Palanisamy N, Shao L, Perkins SL, **Sanger WG** and Lim MS. (2014). A Retrospective Analysis of MYC Gene Alterations in Patients with ALK + Anaplastic Large Cell Lymphoma. 5th Annual APMPHP Research Day, University of Michigan Medical School.



## **PUBLICATIONS AND BOOK CHAPTERS**

1. Miller DD and Sanger WG (1968). Salivary gland chromosome variation in the drosophila affinis subgroup. II. Comparison of C-chromosome patterns in *D. athabasca* and five related species. *J Hered*, 59(6):323-327.
2. Miller D and Sanger WG (1969). A new trait for distinguishing *Drosophila stecca* and *D. tolteca* from other members of the *D. affinis* subgroup. *Am Midl Nat*, 89:618-621.
3. Sanger WG and Miller D (1973). Spermatozoan length of species of the *Drosophila affinis* subgroup. *Am Midl Nat*, 90(2):485-489.
4. Sanger WG and Eisen JD (1976). Clastogenic effects of methylnitrosourea and ethylnitrosourea on chromosomes from human fibroblast cell lines. *Mutat Res*, 34(3):415-426.
5. Sanger WG and Eisen JD (1977). Cryogenically preserved human semen: clinical application. *Ne Med J*, 62(12):422-424.
6. Sanger WG. (1977). Genetics and genetic counseling. *Proceedings of the Third Annual Barkley Conference on Counseling, Discipline and Legal Considerations for Parents and Teachers of Handicapped Children*, 76-82.
7. Bergman S, Howard S and Sanger W (1979). Practical aspects of banking patient's semen for future artificial insemination. *J Urol*, 13(4):408-411.
8. Sanger WG, Schwartz MB and Housel G (1979). The use of frozen-thawed semen for therapeutic insemination (donor). *Intl J Fertil*, 24(4):267-269.
9. Sanger WG, Armitage JO and Schmidt MA (1980). Feasibility of semen cryopreservation in patients with malignant disease. *J Amer Med Assoc*, 244 (8):789-790.
10. Butler MG, Walzak MP, Sanger WG and Todd CT (1980). Additional evidence for X-Y chromosome interchange in a 46,XX male. *Nebr Med J*, 12:330-333.
11. Butler M and Sanger WG (1981). 46,XX Male. *Repository of Chromosomal Variants and Anomalies in Man*. 8th edition. DS Borgaonkar, ed.
12. Adams MM, Finley S, Hansen H, Jahiel RI, Oakley GP Jr, Sanger W, Wells G and Wertelecki W (1981). Utilization of prenatal genetic diagnosis in women 35 years of age and older in the United States, 1977 to 1978. *Am J Obstet Gynecol*, 139(6):673-677.
13. Butler MG, Sanger WG and Veomett GE (1981). Increased frequency of sister chromatid exchanges in alcoholics. *Mutat Res*, 85(2):71-76.
14. Schmidt M and Sanger WG (1981). Sister chromatid exchange in aged human lymphocytes. *Mech Ageing Dev*, 16(1):67-70.
15. Butler MG, Sanger WG, and Walzak MP (1981). A unique Y/Y translocation in an infertile male. *Cytogenet Cell Genet*, 31(3):175-177.
16. Butler MG, Walzak MP, Sanger WG, and Todd CT (1982). 46,XXp+ male. *Urol*.
17. Lubinsky M, Sujansky E, Sanger W, Salyards P and Severn C (1983). Familial amniotic bands. *Am J Med Genet*, 14(1):81-87.
18. Walzak M, Butler M and Sanger WG (1983). Y chromosome translocations in male infertility. *J Urol*.

19. Sanger WG (1983). Chromosomes and neoplasia. *Ann Clin Lab Sci*, 13(5):336-370.
20. Butler MG, Walzak MP, Sanger WG, and Todd CT (1983). A possible etiology of the infertile 46,XX male subject. *J Urol*, 130(1):154-156.
21. Sanger WG, Howe J, Fordyce R and Purtilo DT (1984). Inherited partial trisomy 15 complicated by neuroblastoma. *Cancer Genet Cytogen*, 11(2):153-159.
22. Sanger DD, Stick SL, Sanger WG and Dawson K (1984). Specific syndromes and associated communication disorders: a review. *J Commun Disord*, 17(6):385-405.
23. Stivrins TJ, Davis RB, Sanger WG, Fritz J and Purtilo DT (1984). Transformation of Fanconi's anemia to acute non-lymphocytic leukemia associated with emergence of monosomy 7. *Blood*, 64(1):173-176.
24. Hardy C, Feusner J, Harada S, Sanger WG, Von Schmidt B, Yetz J, Saemundsen A, Lennette E, Linder J and Seeley JK (1984). Fatal Epstein-Barr virus induced lymphoproliferation complicating acute lymphoblastic leukemia. *J Pediatr*, 105(1):64-67.
25. Sanger WG, Armitage JO, and Purtilo DT (1984). Cancer Cytogenetics. *Ne Med J*, 69:335-337.
26. Lubinsky M and Sanger WG (1984). "Killian syndrome" and mosaic tetrasomy 12p. *J Clin Dysmorphol*, 2(1).
27. Bridge J, Sanger WG, Mosher G, Buehler B, Nelson R, Welsh M, Newland J and Kafka M (1985). Partial deletion of distal 17q. *Am J Med Genet*, 21(2):225-229.
28. Mosher GA, Schulte RL, Kaplan PA, Buehler BA and Sanger WG (1985). Pregnancy in a woman with the Brachmann-de Lange syndrome. *Am J Med Genet*, 22(1):103-107.
29. Bridge J, Sanger WG, Mosher G, Buehler B, Hearty C, Olney A and Fordyce R (1985). Partial duplication of distal 17q. *Am J Med Genet*, 22(2):229-235.
30. Vaughan W, Sanger WG, Weisenburger D and Armitage J (1985). Early leukemia recurrence of malignant lymphoma after high dose therapy supported by infusion of histologically negative autologous marrow. *Blood*, 66:192A.
31. Adickes E, Buehler B and Sanger WG (1986). Familial lethal sleep apnea. *Hum Genet*, 73(1):39-43.
32. Biggs BG, Vaughan W, Colombo JL, Sanger WG and Purtilo DT (1986). Cystic fibrosis complicated by acute leukemia. *Cancer*, 57(12):2441-2443.
33. Jacobsen PL, Olney AH, Sanger WG and Buehler BA (1986). The twenty-five common multiple congenital anomaly syndromes in Nebraska. *Ne Med J*, 71(3):65-67.
34. Lorenzen K., Vaughan W, Sanger WG and Linder J (1986). Acute lymphoblastic leukemia-hand-mirror variant, a case with cutaneous involvement. *Exp Hematol*.
35. Muffly K, Skoog D, Feagler J, Sanger WG and Weisenburger D (1986). Intermediate differentiated malignant lymphoma with leukemic presentation. *Tumor Conference Newsletter*.
36. Reed E, Sanger WG and Armitage JO (1986). Results of semen cryopreservation in young men with testicular carcinoma and lymphoma. *J Clin Oncol*, 4(4):537-539.
37. Sanger WG, Weisenburger DD, Armitage JO and Purtilo DT (1986). Cytogenetic abnormalities in noncutaneous peripheral T-cell Lymphoma. *Cancer Genet Cytogenet*, 23(1):53-59.

38. Vaughan WP, Weisenburger DD, Grierson HL, Joshi SS, Sanger WG and Civin CI (1986). Acute leukemia with homogeneous expression of the pluripotent stem cell surface antigen MY10 has an otherwise variable phenotype but uniformly poor prognosis. *Blood*, 68:206A.
39. McManus BM, Cassling RS, Soundy TJ, Wilson JE, Sears TD, Rogler WC, Buehler BA, Wolford JG, Duggan MJ, Byers PH, Fleming WH and Sanger WG (1986). Familial aortic dissection in absence of ascending aortic aneurysms: a lethal syndrome associated with precocious systemic hypertension. *Am J Cardiovasc Pathol*, 1:855-867.
40. Bateman BJ, Sanger WG and Armitage JO (1987). Missing Y chromosome in lymph nodes from patients with non-Hodgkin's lymphoma. *Cancer Genet and Cytogenet*, 25(2):219-225.
41. Vaughan WP, Weisenburger DD, Sanger WG, Gale RP and Armitage JO (1987). Early leukemic recurrence of non-Hodgkin's lymphoma after high dose anti-neoplastic therapy with autologous marrow rescue. *Recent Advances in Bone Marrow Transplantation* (RP Gale, R Champlin, Eds.), Alan R. Liss, Inc., New York, pp. 787-796.
42. Sanger WG, Armitage JO, Bridge JA, Weisenburger DD, Fordyce R and Purtilo DT (1987). Initial and subsequent cytogenetic studies in malignant lymphoma. *Cancer*, 60(12):12: 3014-3019.
43. Weisenburger DD, Sanger WG, Armitage JO and Purtilo DT (1987). Intermediate lymphocytic lymphoma: immunophenotypic and cytogenetic findings. *Blood*, 69(6):1617-1621.
44. Koenig JLF, Harris NB, Sanger WG and Welsh M (1987). The effect of actinomycin D and sodium heparin on the length of metaphase chromosomes in human lymphocyte cultures. *Cytogenet Cell Genet*, 71: 79-82.
45. Speaks SL, Sanger WG, Linder J, Johnson DR, Armitage JO, Weisenburger D and Purtilo D (1987). Chromosomal abnormalities in indolent lymphoma. *Cancer Genet Cytogenet*, 27(2):335-344.
46. Ing PS, Lubinsky MS, Smith SD, Golden E, Sanger WG and Duncan AM (1987). Cat-eye syndrome with different marker chromosomes in a mother and daughter. *Am J Med Genet*, 26(3):621-628.
47. Bridge JA, Sanger WG and Neff J (1987). Cytogenetic findings in soft tissue sarcomas. *Cancer Genet Cytogenet*, 28:40-45.
48. Bridge JA, Sanger WG, Shaffer B and Neff JR (1987). Cytogenetic findings in malignant fibrous histiocytoma. *Cancer Genet Cytogenet*, 29(1):97-102.
49. Vaughan W, Weisenburger D, Sanger WG, Gale R, Armitage J (1987). Early leukemic recurrence of non-Hodgkin's lymphoma after high-dose anti-neoplastic Therapy with autologous marrow rescue. *Bone Marrow Transplant*, 1(4):373-378.
50. Bridge JA, Shaffer B, Neff JR, Sanger WG and Moran J (1988). A complex translocation involving chromosomes 12 and 16 in a metastatic myxoid liposarcoma. *Cancer Genet Cytogenet*, 34(1):119-120.
51. Harrington DS, Peterson C, Ness M, Sanger WG, Smith DM and Vaughan W (1988). Acute myelogenous leukemia with eosinophilic differentiation and Trisomy 1. *Am J Clin Pathol*, 90(4):464-469.
52. Bridge J, Patil S, Peterson J, Speaks S, Fatemi C, Williamson R and Sanger WG (1988). Two double translocation families. *Kans Med*, 89(2):46-48.

53. Huseman C, Buehler B and Sanger WG (1988). Klinefelter syndrome. *Birth Defects Compendium*, 556:1-3.
54. Joshi SS, Glenn L, Vaughan WP, Stevenson M, Sanger WG, Sharp JG and Weisenburger DD (1988). Preferential in vitro growth and expansion of leukemic T-lymphoblasts. *Leuk Res*, 12(2):103-108.
55. Glenn LD, Sanger WG, Kessinger MA and Vaughan WP (1988). Failure of karyotypic instability to predict clinical progression in patients with dysmyelopoietic syndromes. *Hematol Pathol*, 2(4):239-248.
56. Wooldridge TN, Grierson HL, Weisenburger DD, Armitage JO, Sanger WG, Collins MM, Pierson JL, Pauza ME, Fordyce R and Purtilo DT (1988). Association of DNA content and proliferative activity with clinical outcome in patients with diffuse mixed cell and large cell non-Hodgkin's lymphoma. *Cancer Res*, 48(22):6608-6613.
57. Vaughan WP, Civin CI, Weisenburger DD, Karp JE, Graham ML, Sanger WG, Grierson HL, Joshi SS and Burke PJ (1988). Acute leukemia expressing the normal human hematopoietic stem cell Membrane Glycoprotein CD34(MY10). *Leukemia*, 2(10):661-666.
58. Armitage JO, Sanger WG, Weisenburger DD, Harrington DS, Linder J, Bierman PJ, Vose JM and Purtilo DT (1988). Correlation of secondary cytogenetic abnormalities with histologic appearance in non-Hodgkin's lymphomas bearing t(14;18)(q32;q21). *J Natl Cancer Inst*, 80(8):576-580.
59. Schouten HC, Sanger WG, Duggan M, Weisenburger DD, MacLennan KA and Armitage JO (1988). Chromosomal abnormalities in Hodgkin's disease. *Blood*, 72(1):256a.
60. Armitage J, Purtilo D, Weisenburger D and Sanger WG (1989). Non-Hodgkin's lymphoma. *Principles of Hematology: Clinical and Laboratory Practice*, (R.L. Bick ed.). Thieme-Stratton, Inc., New York.
61. Bridge JA, Rosenthal H, Sanger WG and Neff JR (1989). Desmoplastic fibroma arising in fibrous dysplasia: chromosomal analysis and review of the literature. *Clin Orthop Relat Res*, 247:272-278.
62. Schouten H, Sanger WG, Duggan M, Weisenburger DD, MacLennan KA and Armitage JO (1989). Chromosomal abnormalities in Hodgkin's disease. *Blood*, 73(8): 2149-2154.
63. Harrington DS, Braddock SW, Blocher KS, Weisenburger DD, Sanger WG and Armitage JO (1989). Lymphomatoid papulosis and progression to T-cell lymphoma: an immunophenotypic and genotypic analysis. *J Am Acad Dermatol*, 21(5):951-957.
64. Haven MC, Welsh M, Markin RS and Sanger WG (1989). Maternal serum and amniotic fluid alpha-fetoprotein testing: our approach to screening, diagnosis and counseling. *Ne Med J*, 74(3):55-58.
65. Shiang R, Murray JC, Morton CC, Buetow KH, Wasmuth JJ, Olney AH, Sanger WG and Goldberger G (1989). Mapping of the human complement factor I gene to 4q25. *Genomics*, 4(1):82-86.
66. Bridge JA, Sanger WG and Neff JR (1989). Translocations involving chromosomes 2 and 13 in benign and malignant cartilaginous neoplasms. *Cancer Genet Cytogenet*, 38(1):83-8.
67. Masada CT, Olney AH, Fordyce R and Sanger WG (1989). Partial deletion of 14q and partial duplication of 14q in sibs: testicular mosaicism for t(14q;14q) as a common mechanism. *Am J*

*Med Genet*, 34(4):528-534.

68. Wyandt HE, Grierson HL, Sanger WG, Skare JC, Milunsky A, and Purtilo DT (1989). Chromosomal deletion of Xq25 in an individual with X-linked lymphoproliferative disease. *Am J Med Genet*, 33(3):426-430.
69. Sharp JG, Kessinger MS, Pirruccello SJ, Masih AS, Mann SL, DeBoer J, Sanger WG and Weisenburger DD (1990). Autologous bone marrow transplantation: frequency of detection of suspected lymphoma cells in peripheral blood stem cell collections. *Proceedings of the Fifth International Symposium*, 801-810.
70. Bridge JA, Sanger WG, Neff JR and Hess MM (1990). Cytogenetic findings in a primary malignant fibrous histiocytoma of bone and the lung metastasis. *Pathology*, 22(1):16-19.
71. Bridge JA, Neff JR, Bhatia PS, Sanger WG and Murphey MD (1990). Cytogenetic findings and biologic behavior of giant cell tumors of bone. *Cancer*, 65(12):2697-2703.
72. Sanger WG, Grierson HL, Skare J, Wyandt H, Pirruccello S, Fordyce R, Purtilo DT (1990). Partial Xq25 deletion in a family with the X-linked lymphoproliferative disease (XLP). *Cancer Genet Cytogenet*, 47(2):163-169.
73. Schouten HC, Sanger WG, Weisenburger DD and Armitage JO (1990). For the Nebraska Lymphoma Study Group. Abnormalities involving chromosome 6 in previously untreated patients with non-Hodgkin's lymphoma. *Cancer Genet Cytogenet*, 47(1):73-82.
74. Schouten HC, Sanger WG, Weisenburger DD and Armitage JO (1990). Chromosomal abnormalities in untreated patients with non-Hodgkin's lymphoma: associations with histology, clinical characteristics, and treatment outcome. The Nebraska Lymphoma Study Group. *Blood*, 75(9):1841-1847.
75. Kader H, Ing P, Buehler B and Sanger WG (1990). Cytogenetic confirmation of clinical diagnoses in Nebraska. *Nebr Med J*, 75(8): 236-238.
76. Vose J, Weisenburger D, Sanger WG, Bierman P and Armitage J (1990). Peripheral T-cell lymphoma: a brief review. *Leuk Lymphoma*, 3(2):77-86.
77. Schouten HC, Sanger WG, Weisenburger DC and Armitage JO (1990). Chromosomal abnormalities in patients with non-cutaneous T-cell non-Hodgkins lymphoma. *Eur J Cancer*, 26(5):618-622.
78. Okano M, Taguchi Y, Nakamine H, Pirruccello SJ, Davis JR, Beisel KW, Kleveland KL, Sanger WG, Fordyce RR and Purtilo DT (1990). Characterization of Epstein-Barr virus-induced lymphoproliferation derived from human peripheral blood mononuclear cells transferred to severe combined immunodeficient mice. *Am J Pathol*, 137(3): 517-522.
79. Schouten HC, Sanger WG, Weisenburger DD, Anderson J and Armitage JO (1990). Chromosomal Abnormalities in Untreated Patients with Non-Hodgkin's Lymphoma: Relationship with histology, clinical characteristics, and treatment outcome. *Blood*, 75:1841-1847.
80. Sanger WG and Friman PC (1990). Fit of underwear and male spermatogenesis: a pilot investigation. *Reprod Toxicol*, 4(3):229-232.
81. Bridge JA, Neff JR, Bhatia PS and Sanger WG (1990). Cytogenetic analysis of giant cell tumors of bone: diagnostic and prognostic implications. *Chir Organi Mov*, 75(1 Suppl):187-188.
82. Weisenburger DD, Duggan MJ, Perry DA, Sanger WG and Armitage JO (1991). Non-Hodgkin's

lymphomas of mantle zone origin. *Pathol Annu*, 26 Pt 1:139-158. Review.

83. Schouten H, Sanger WG, Dugan M, Weisenburger D, MacLennan K and Armitage J (1991). Chromosomal abnormalities in Hodgkin's disease. In: *Chromosomal Abnormalities in Hematological Malignancies* (H. Schouten, ed.), Koninklike Bibliotheek, Den Haag, ISBN 90-5291-044-8, 23-35.
84. Schouten H, Sanger WG, Weisenburger D, Andersen J and Armitage J (1991). Chromosomal abnormalities in untreated patients with non-Hodgkin's lymphoma. In: *Chromosomal Abnormalities in Hematological Malignancies* (H. Schouten, ed.). Koninklike Bibliotheek, Den Haag, ISBN 90-5291-0044-8, 37-53.
85. Schouten H, Sanger WG, Weisenburger D and Armitage J (1991). Abnormalities involving chromosome 6 in newly diagnosed patients with non-Hodgkin's lymphoma. In: *Chromosomal Abnormalities in Hematological Malignancies* (H. Schouten, ed.). Koninklike Bibliotheek, Den Haag, ISBN 90-5291-044-8, 55-66.
86. Schouten H, Sanger WG, Weisenburger D and Armitage J (1991). Chromosomal abnormalities in patients with non-cutaneous T-cell non-Hodgkin's lymphoma. In: *Chromosomal Abnormalities in Hematological Malignancies* (H. Schouten, ed.). Koninklike Bibliotheek, Den Haag, ISBN 90-5291-044-8, 1991;67-77.
87. Nakamine H, Okano M, Taguchi Y, Pirruccello S, Davis JR, Beisel KW, Kleveland K, Sanger WG, Fordyce RR and Purtilo DT (1991). Hematopathologic features of Epstein-Barr virus-induced human B-lymphoproliferation in mice with severe combined immunodeficiency: A model of lymphoproliferative diseases in immunocompromised patients. *Lab Invest*, 65(4):389-399.
88. Joshi SS, DeBoer JM, Strandjord SJ, Pirruccello SJ, Sanger WG, Weisenburger DD and Sharp JG (1991). Characterization of a newly established human Burkitt's lymphoma cell line OMA-BL-1. *Inter J Cancer*, 47(5): 643-648.
89. Purtilo DT, Falk K, Pirruccello SJ, Nakamine H, Kleveland K, Davis JR, Okano M, Taguchi Y, Sanger WG and Biesel KW (1991). SCID mouse model of Epstein-Barr virus-induced lymphomagenesis of immunodeficient humans. *Inter J Cancer*, 47:510-517.
90. Schouten HC, Sanger WG and Armitage JO (1991). Chromosomal abnormalities in malignant lymphoma and Hodgkin's disease: a review. *Leuk Lymphoma*, 5(2-3):93-100.
91. Purtilo D, Falk K, Pirruccello S, Nakamine H, Kleveland K, Davis J, Okano M, Taguchi Y, Sanger WG and Beisel K (1991). SCID mouse model of virus-induced lymphomagenesis of immunodeficient humans. *Inter J Cancer*, 47(4): 510-517.
92. Bashir R, Okano M, Kleveland K, Pirruccello S, Masih A, Sanger WG, Fordyce-Boyer R and Purtilo D (1991). SCID/human mouse model of central nervous system lymphoma. *Lab Invest*, 65(6):702-709.
93. Vaughan WP, Dennison JD, Reed EC, Klassen L, McGuire TR, Sanger WG, Kumar PP, Warkentin PI, Gordon BG, Bierman PJ, Coccia PF and Armitage JO (1991). Improved results of allogeneic bone marrow transplantation for advanced hematologic malignancy using busulfan, cyclophosphamide and etoposide as cytoreductive and immunosuppressive therapy. *Bone Marrow Transplant*, 8(6): 489-495.
94. Sharp JG, Kessinger MA, Pirruccello SJ, Masih AS, Mann SL, DeBoer J, Sanger WG and Weisenburger DD (1992). Frequency of detection of suspected lymphoma cells in peripheral

- blood stem cell collections. In: *Autologous Bone Marrow Transplantation V* (K. Dicke, J. Armitage, Eds.).
95. Schouten H, Sanger WG and Armitage J (1992). Chromosomal abnormalities in malignant lymphoma and Hodgkin's disease: a review. *Leuk Lymphoma*, 5:93-100.
  96. Sharp JG, Vaughan WP, Kessinger A, Mann SL, DeBoer J, Sanger WG and Weisenburger DD (1992). Significance of detection of tumor cells in hematopoietic stem cell harvests of patients with breast cancer. In: *Autologous Bone Marrow Transplantation V* (K. Dicke, J. Armitage, Eds.).
  97. Allen K, Friman P and Sanger WG (1992). Small n research designs in reproductive toxicology. *Reprod Toxicol*, 6(2):115-121.
  98. Nakamine H, Masih AS, Sanger WG, Wickert RS, Mitchell DW, Armitage JO and Weisenburger DD (1992). Richter's syndrome with different immunoglobulin light chain types: Molecular and cytogenetic features indicate a common clonal origin. *Am J Clin Pathol*, 97(5): 656-663.
  99. Parks JD, Synovec MS, Masiah AS, Braddock SW, Nakamine H, Sanger WG, Harrington DS and Weisenburger DD (1992). Immunophenotypic and genotypic characterization of lymphomatoid papulosis. *J Am Acad Dermatol*, 26(6):968-975. Review.
  100. Speaks SL, Sanger WG, Masih AS, Harrington DS, Hess M and Armitage JO (1992). Recurrent abnormalities of chromosome bands 10q23-25 in non-Hodgkin's lymphoma. *Genes Chromosomes Cancer*, 5(3):239-243.
  101. Sanger WG, Olson JH and Sherman JK (1992). Semen cryobanking for men with cancer - criteria change. *Fertil Steril*, 58(5):1024-1027. Review.
  102. Gordon BG, Warkentin PI, Weisenburger DD, Vose JM, Sanger WG, Strandjord SE, Anderson JR, Verdirame JD, Bierman PJ, Armitage JO and Coccia PF (1992). Bone marrow transplantation for peripheral T-cell lymphoma in children and adolescents. *Blood*, 80(11):2938-2942.
  103. Bashir R, Masih A, Kallweit K, Fordyce-Boyer R, Sanger WG and Purtilo D (1992). Evolution of clonality and invasive behavior of Epstein-Barr virus immortalized lymphoblastoid cell lines in SCID mice brains. *Lab Invest*, 67(4): 450-456.
  104. Gordon BG, Weisenburger DD, Warkentin PI, Anderson J, Sanger WG, Gnarra D, Gnarra D, Vose JM, Bierman PJ, Armitage JO and Coccia PF (1993). Peripheral T-cell lymphoma in childhood and adolescence: a clinicopathologic study of 22 patients. *Cancer*, 71(1):257-263.
  105. Nakamine H, Masih AS, Okano M, Taguchi Y, Pirruccello SJ, Davis JR, Mahloch ML, Beisel KW, Kleveland K, Sanger WG and Purtilo DT (1993). Characterization of clonality in Epstein-Barr virus-induced human B lymphoproliferative disease in mice with severe combined immunodeficiency. *Am J Pathol*, 142(1):139-147.
  106. Anderson JR, Vose JM, Bierman PJ, Weisenburger DD, Sanger WG, Pierson J, Bast M and Armitage JO (1993). Clinical features and prognosis of follicular large-cell lymphoma: a report from the Nebraska Lymphoma Study Group. *J Clin Oncol*, 11(2): 218-224.
  107. Traystman M, Schulte N, Colombo J, Sammut P, Reilly P, Patel C, Acquazzino D, Simanek B, Anderson R, Kimberling W, Schaefer GB and Sanger WG (1993). Mutation analysis and haplotype correlation for 139 cystic fibrosis patients from the Nebraska Regional Cystic Fibrosis Center. *Hum Mutat*, 2:7-15.

108. Nakamine H, Masih A, Sanger WG, Wickert R, Mitchell D, Strobach R, Armitage J and Weisenburger D (1993). Oncogene rearrangement in non-Hodgkin's lymphoma with a 14q+ chromosome of unknown origin. *Leuk Lymphoma*, 10:79-88.
109. Sanger WG, Olson JH and Sherman JK (1993). Reply of the Authors: Semen cryobanking for men with cancer-criteria change. *Fertil Steril*.
110. Markin R, Earl R, Haven M, Pirruccello S and Sanger WG (1993). Clinical laboratory support of transplantation. *Trans Pathol*, 63-88.
111. Traystman, MD, Schulte NA, MacDonald M, Anderson JR and Sanger WG (1994). Mutation analysis for cystic fibrosis to determine carrier status in 167 sperm donors from the Nebraska Genetic Semen Bank. *Hum Mutat*, 4(4):271-275.
112. Darrington DL, Vose JM, Anderson JR, Bierman PJ, Bishop MR, Wing CC, Morris ME, Reed EC, Sanger WG, Tarantolo SR, Weisenburger DD, Kessinger A and Armitage JO (1994). Incidence and characterization of secondary myelodysplastic syndrome and acute myelogenous leukemia following high-dose chemotherapy and autologous stem-cell transplantation for lymphoid malignancies. *J Clin Oncol*, 12(12):2527-2534.
113. Nashelsky M, Hess M, Weisenburger D, Pierson J, Bast M, Armitage J and Sanger WG (1994). Cytogenetic Abnormalities in B-Immunoblastic Lymphoma. *Leuk Lymphoma*, 14(5-6):415-420.
114. Gordon BG, Weisenburger DD, Sanger WG, Armitage JO and Coccia PF (1994). Peripheral T-cell lymphomas in children and adolescents: role of bone marrow transplantation. *Leuk Lymphoma*, 14(1-2):1-10. Review.
115. Darrington DL, Vose JM, Anderson JR, Bierman PJ, Bishop MR, Chan WC, Morris ME, Reed, EC, Sanger WG, Tarantolo SR, Weisenburger DD, Kessinger A and Armitage JO (1994). Incidence and characterization of secondary myelodysplastic syndrome and acute myelogenous leukemia following high-dose chemoradiotherapy and autologous stem-cell transplantation for lymphoid malignancies. *J Clin Oncol*, 12(12):2527-2534.
116. Schaefer GB, Novak K, Steele D, Buehler B, Smith S, Zaleski D, Pickering D, Nelson M and Sanger WG (1995). Familial inverted duplication 7p. *Am J Med Genet*, 56(2):184-187.
117. Grierson HL, Wooldridge TN, Hess M, Wooldridge T, Ratashak A, Bast M, Armitage JO, Weisenburger DD and Sanger WG (1995). Comparison of DNA content in non-Hodgkin's lymphoma as measured by flow cytometry and cytogenetics. *Cancer Genet Cytogenet*, 80(2):124-128.
118. Takahashi T, Moyer MP, Cano M, Wang QJ, Adrian TE, Mountjoy CP, Sanger WG, Sugiura T, Katoh H and Pour PM (1995). Establishment and characterization of a new, spontaneously immortalized, pancreatic ductal cell line from the Syrian golden hamster. *Cell Tissue Res*, 282:163-174.
119. Wu AG, Joshi SS, Chan WC, Iversen PL, Jackson JD, Kessinger A, Pirruccello SJ, Sanger WG, Sharp, JG, Verbik DJ, Whalen VL and Bishop MR (1995). Effects of BCR-ABL antisense oligonucleotides (AS-ODN) on human chronic myeloid leukemic cells: AS-ODN as effective purging agents. *Leuk Lymphoma*, 20(1-2):67-76.
120. Grierson HL, Wooldridge TN, Hess M, Ratashak A, Wooldridge L, Fordyce-Boyer R, Bast M, Armitage JO, Weisenburger DD and Sanger WG (1995). Proliferative fraction and DNA content are lower in B-cell non-Hodgkin's lymphomas with the t(14;18). *Leuk Lymphoma*, 19: 253-257.



121. Sharp JG, Bishop M, Chan WC, Greiner T, Joshi SS, Kessinger A., Reed E., Sanger WG, Tarantolo S, Traystman M and Vose J (1995). Detection of minimal residual disease (MRD) in hematopoietic tissues. *Ann NY Acad Sci*, 770:242-261.
122. Bhattacharya G, Abraham CA, Sanger WG, Pickering DL, Gorrin GM, Fields JZ and Boman, BM (1995). Genetic transfer of double minute chromosomes using purified microcell preparations: a potential vector for gene therapy. *Hum Gene Ther*.
123. Elmberger PG, Lozano MD, Weisenburger DD, Sanger WG and Chan WC (1995). Transcripts of the NPM-ALK fusion gene in anaplastic large cell lymphoma, Hodgkin's disease and reactive lymphoid lesions. *Blood*, 86(9):3517-3521.
124. Takahashi T, Moyer MP, Cano M, Wang QJ, Mountjoy CP, Sanger WG, Adrian TE, Sugiura H, Katoh H and Pour PM (1995). Differences in molecular biological, biological and growth characteristics between the immortal and malignant hamster pancreatic cells. *Carcinogenesis* 6(4):931-939. Erratum in: *Carcinogenesis* 1995 May;16(5):1257.
125. Chan WC, Elmberger G, Lozano MD, Sanger WG and Weisenburger DD (1995). Large-cell anaplastic lymphoma-specific translocation in Hodgkin's disease. *Lancet*, 345(8954):921.
126. Sharp JG, Bishop M, Chan WC, Joshi SS, Kessinger A, Mann SL, Murphy BO, Pirruccello S, Reed B, Sanger WG, Traystman M, Vose J, Weekes C and Wu G (1996). In: *Mulhouse Manual - Application of Malignant Cell Detection Techniques to Improve the Outcome of High-Dose Therapy and Transplantation for Lymphoma, Leukemia and Breast Cancer*.
127. Allen KD, Maguire KB, Williams GE and Sanger WG (1996). The effects of infertility on parent-child relationships and adjustment. *Children's Health Care*, 25:93-105.
128. Weisenburger DD, Gordon BG, Vose JM, Bast MA, Chan WC, Greiner TC, Anderson JR, and Sanger WG (1996). Occurrence of the t(2;5) in non-Hodgkin's lymphoma. *Blood*, 87(9):3860-3868.
129. Mathew P, Sanger WG, Weisenburger DD, Valentine M, Valentine V, Pickering D, Higgins C, Hess M, Cui X, Srivastava DK and Morris SW (1997). Detection of the t(2;5)(p23;q35) and NPM-ALK fusion in non-Hodgkin's lymphoma by two-color fluorescence in situ hybridization. *Blood*, 89(5):1678-1685.
130. Sanger WG (1997). Living with cancer, semen cryobanking for men with cancer. *Coping*, 53-54.
131. Schaefer GB, Jochar A, Muneer R, Sanger WG (1997). Clinical variability of tetrasomy 12p. *Clin Genet*, 51(2):102-108.
132. Pour PM, Weide L, Liu G, Kazakoff K, Scheete M, Toshkov I and Sanger WG (1997). Langerhans islets are the origin of ductal-type adenocarcinoma. *Diagnostic Procedures in Pancreatic Disease*, 333-339.
133. Pour PM, Weide L, Liu G, Kazakoff K, Scheetz M, Toshkov I, Ikematsu Y, Fienhold MA, Sanger WG (1997). Experimental evidence of the origin of ductal-type adenocarcinoma from the islets of Langerhans. *Am J Pathol*, 150(6):2167-2180.
134. Ikematsu Y, Liu G, Fienhold MA, Cano M, Adrian TE, Hollingsworth MA, Williamson JE, Sanger WG, Tsutomu T, Pour PM (1997). In vitro pancreatic ductal cell carcinogenesis. *Int J Cancer*, 72(6):1095-1103.
135. Auer IA, Gascoyne RD, Connors JM, Cotter FE, Greiner TC, Sanger WG and Horsman DE

- (1997). t(11;18)(q21;q21) is the most common translocation in MALT lymphomas. *Ann Oncol*, 8(10):979-985.
136. Rao V, Singh RK, Bridge JA, Neff JR, Schaefer GB, Delimont DC, Dunn CM, Sanger WG, Buehler BA, Sawaya R and Rao JS (1997). Regulation of MMP-9 (92 kDa type IV collagenase/gelatinase B) in stromal cells of human giant cell tumor of bone by tumor of bone. *Clin Exp Metastasis*, 15(4):400-409.
137. Dave BJ, Hess MM, Pickering DL, Zaleski DH, Pfeifer AL, Weisenburger DD, Armitage JO and Sanger WG (1999). Rearrangement of chromosome band 1p36 in non-Hodgkin's lymphoma. *Clin Cancer Res*, 5(6):1401-1409.
138. Dave BJ, Pickering DL, Hess MM, Weisenburger DD, Armitage JO and Sanger WG (1999). Deletion of cell division cycle 2-like 1 gene locus on 1p36 in non-Hodgkin lymphoma. *Cancer Genet Cytogenet*, 108(2):120-126.
139. Ing PS, VanDyke DL, Caudill SP, Reidy, JA and Sanger WG (1999). Detection of mosaicism in amniotic fluid cultures: a CYTO 2000 collaborative study. *Genet Med*, 1(3):94-97.
140. Rao VH, Singh R, Finnell RH, Dave BJ, Buehler BA, Sanger WG and Schaefer GB (1999). Matrix Metalloproteinases and Their Inhibitors in Tumor Invasion and Metastasis. *Proc Indian Acad Sci (Chem Sci)*, 111(1):239-254.
141. Rao V, Singh, RK, Delimont, DC, Finnell, RH, Bridge, JA, Neff, JR, Garvin, BP, Pickering, DL, Sanger WG, Buehler BA and Schaefer GB (1999). Transcriptional regulation of MMP-9 expression in stromal cells of human giant cell tumor of bone by tumor necrosis factor-alpha . *Int J Oncol*, 14(2):291-300.
142. Ing PS, VanDyke DL, Caudill SP, Reidy JA, Bice G, Bieber FR, Buchanan PD, Carroll AJ, Cheung SW, DeWald G, Donahue RP, Gardner HA, Higgins J, Hsu LY, Jamehdor M, Keitges, EA, Laundon CH, Luthardt FW, Marcello J, May KM, Meck JM, Morton C, Patil S, Peakman D, Pettenati MJ, Rao N, Sanger WG, Saxe DF, Schwartz S, Sekhon GS, Vance GH, Wyandt HE, Yu CW, Zenger-Hain J and Chen AT (1999). Detection of Mosaicism in Amniotic Fluid Cultures: A CYTO2000 Collaborative Study. *Genet Med*, 1(3):94-97.
143. Bedows E, Berg T, Sanger WG and Smith C (1999). Role of Human Chorionic Gonadotropin Subunits in Abnormal Maternal Marker Screening. *J Perinatol*.
144. Zhang Q, Siebert R, Yan M, Hinzmann B, Cui X, Xue L, Rakestraw KM, Naeve CW, Beckmann G, Weisenburger DD, Sanger WG, Noworny H, Vesely M, Caller-Bauchu E, Salles G, Dixit VM, Rosenthal A., Schlegelberger B and Morris SW (1999). Inactivating mutations and overexpression of BCL10, a caspase recruitment domain-containing gene, in MALT lymphoma with t(1;14)(p22;q32). *Nat Genet*, 22(1):63-68.
145. Schmied B, Liu G, Moyer MP, Hernberg SB, Sanger WG, Batra SK and Pour M (1999). Indication of adenocarcinoma from hamster islet cell treated with N-nitrosobis(2-oxoprppyl)amine in vitro. *Carcinogenesis*, 20(2):317-324.
146. Arcaroli JJ, Dave BJ, Pickering DL, Hess MM, Armitage JO, Weisenburger DD and Sanger WG (1999). Is a duplication of 14q32 a new recurrent chromosomal alteration in B-cell non-Hodgkin lymphoma? *Cancer Genet Cytogenet*, 113(1):19-24.
147. Rao VH, Singh RK, Delimont DC, Schaefer GB, Bridge JA, Neff JR, Sanger WG, Sappenfield JW, Buehler BA and Finnell RH (1999). Interleukin-1 UP-Regulates MMP-9 expression in stromal

cells of human giant cell tumor of bone. *J Interferon Cytokine Res*, 19(10):1207-1217.

148. Berg TG, Philpot KL, Welsh MS, Sanger WG and Smith CV (1999). Ureaplasma/ Mycoplasma-infected amniotic fluid: pregnancy outcome in treated and nontreated patients. *J Perinatol*, 19(4): 275-277.
149. Sanger WG, Dave BJ and Bishop MR (2000). Part 1: Cytogenetics. *Malignant Lymphoma*. B.W. Hancock, P. Selby, K.A. MacLennan, J.O. Armitage, Thomson Publishing, London, UK. 91-103.
150. Weisenburger DD, Gascoyne RD, Bierman PJ, Shenkier T, Horsman GE, Lynch JC, Chan WC, Greiner TC, Connors JM, Vose JM, Armitage JO, Sanger WG (2000). Clinical significance of the t(14;18) and BCL2 overexpression in follicular large cell lymphoma. *Leuk Lymphoma*, 36(5-6):513-523.
151. Weisenburger DD, Vose JM, Greiner TC, Chan WC, Dave, BJ, Sanger WG and Armitage JO (2000). Mantle cell lymphoma: a clinicopathologic study of 68 cases from the Nebraska Lymphoma Study Group. *Am J Hematol*, 64(3):190-196. Review
152. Lones MA, Sanger WG, Perkins SL and Medeiros LJ (2000). Anaplastic large cell lymphoma arising in bone: report of a case of the monomorphic variant with the t(2;5)(p23;q35) translocation. *Arch Pathol Lab Med*, 124(9):1339-1343. Review
153. Stuberg WA, Sanger WG, Naganuma GM, Harris SR and Tada WL (2000). Genetic disorders: a pediatric perspective. *Umphred DA Neurological Rehabilitation (4th ed.)*, Mosby, St. Louis, MO, 10:287-307.
154. Lehman NL, Zaleski DH, Sanger WG and Adickes ED (2001). Holoprosencephaly associated with an apparent isolated 2q37.1→2q37.3 deletion. *Am J Med Genet*, 100(3):179-181.
155. Pickering DL, Nelson M, Chan WC, Huang JZ, Dave BJ and Sanger WG (2001). Paraffin tissue core sectioning: an improved technique for whole nuclear extraction and interphase FISH. Original Research. *J Assoc Genet Technol*, 27(2):38-40.
156. Rubocki RJ, Parsa JR, Hershfield, MS, Sanger WG, Pirruccello SJ, Santisteban I, Gordon BG, Strandjord SE, Warkentin PI and Coccia PF (2001). Full hematopoietic engraftment after allogeneic bone marrow transplantation without cytoreduction in a child with severe combined immune deficiency. *Blood*, 97(3):809-11.
157. Lynch HT, Sanger WG, Pirruccello S, Quinn-Laquer B and Weisenburger DD (2001). Familial multiple myeloma: a family study and review of the literature. *J Natl Cancer Inst*, 93(19):1479-1483.
158. Sanger WG, Dave B and Stuberg W (2001). Overview of genetics and role of the pediatric physical therapist in the diagnostic process. *Pediatr Phys Ther*, 13(4):164-168.
159. Palanisamy N, Abou-Ellella AA, Chaganti SR, Houldsworth J, Offit K, Louis DC, Terayu-Feldstein J, Cigudosa JC, Rao PH, Sanger WG, Weisenburger DD and Chaganti RS (2002). Similar patterns of genomic alterations characterize primary mediastinal large B-cell Lymphoma and Diffuse Large B-Cell Lymphoma. *Genes Chromosomes Cancer*, 33(2):114-122.
160. Dave BJ, Nelson MA, Pickering DL, Chan WC, Greiner TC, Weisenburger DW, Armitage JO, Sanger WG (2002). Cytogenetic characterization of diffuse large cell lymphoma using multi-color fluorescence in situ hybridization. *Cancer Genet Cytogenet*, 132(2):125-132.
161. Sanger WG (2002). *Medical Genetics: Pearls of Wisdom*. Boston Medical Publishing Corp.

Lincoln, NE.

162. Huang JZ, Sanger WG, Greiner TC, Staudt LM, Weisenburger DD, Lynch JC, Armitage JO, Pickering D, Warnke RA, Alizadeh AA, Lossos IS, Levy R and Chan WC (2002). The t(14;18) defines a unique subset of diffuse large B-cell lymphoma with a germinal center B-cell gene expression profile. *Blood*, 99(7) 2285-2290.
163. Palanissamy N, Abou-Elella AA, Chaganti SR, Houldsworth J, Offit K, Louie DC, Cigudosa JC, Rao PH, Weisenburger DD, Sanger WG and Chaganti RSK (2002). Similar patterns of genomic alterations characterize primary mediastinal large-B-cell lymphoma and diffuse large-B-cell lymphoma. *Genes Chromosomes Cancer*, 33(2):114-122.
164. Bridge J and Sanger WG (2002). Non-Hodgkin Lymphoma. *Vysis Monograph*.
165. Lynch HT, Weisenburger DD, Quinn-Laquer B, Snyder CL, Lynch JF, Lipkin SM, Sanger WG. Family with acute myelocytic leukemia, breast, ovarian, and gastrointestinal cancer. *Cancer Genet Cytogenet*, 137(1):8-14.
166. Lynch HT, Weisenburger DD, Quinn-Laquer B, Watson P, Lynch JF, Sanger WG (2002). Hereditary chronic lymphocytic leukemia: An extended family study and literature review. *Am J Med Genet*, 115(3):113-117.
167. Cessna MH, Zhou H, Sanger WG, Perkins SL, Tripp S, Pickering D, Daines C and Coffin CM (2002). Expression of ALK1 and p80 in inflammatory myofibroblastic tumor and its mesenchymal mimics: a study of 135 cases. *Mod Pathol*, 15(9):931-938.
168. Rosenwald A, Wright G, Chan WC, Connors JM, Campo E, Fisher RI, Gascoyne RD, Muller-Hermelink HK, Smeland EB, Giltnane JM, Hurt EM, Zhao H, Averett L, Yang L, Wilson WH, Jaffe ES, Simon R, Klausner RD, Powell J, Duffey PL, Longo DL, Greiner TC, Weisenburger DD, Sanger WG, Dave BJ, Lynch JC, Vose J, Armitage JO, Montserrat E, Lopez-Guillermo A, Grogan TM, Miller TP, LeBlanc M, Ott G, Kvaloy S, Delabie J, Holte H, Krajci P, Stokke T, Staudt LM and the Lymphoma/Leukemia Molecular Profiling Project (2002). The use of molecular profiling to predict survival after chemotherapy for diffuse large B-cell lymphoma. *N Engl J Med*, 346(25):1937-1947.
169. Hao S, Sanger WG, Onciu M, Lai R, Schlette EJ and Medeiros LJ (2002). Mantle cell lymphoma with 8q24 chromosomal abnormalities. a report of 5 cases with blastoid features. *Mod Pathol*, 15(12):1266-1272.
170. Cairo MS, Sposto R, Perkins SL, Meadows AT, Hoover-Regan M, Anderson JR, Siegel SE, Lones MA, Tedeschi-Blok N, Kadin ME, Kjeldsberg CR, Wilson JF, Sanger WG, Morris E, Krailo MD and Finlay JL (2003). Burkitt's and Burkitt-like lymphoma in children and adolescents: a review of the Children's Cancer Group experience. *BrJ Hematol*, 120(4):660-670.
171. Nelson M, Perry D, Ginsburg G, Sanger WG, Neff JR and Bridge JA (2003). Translocation t(1;4)(p31;q34) in nonossifying fibroma. *Cancer Genet Cytogenet*, 142(2):142-144.
172. Hayami Y, Iida S, Nakazawa N, Hanamura I, Kato M, Komatsu H, Miura I, Dave BJ, Sanger WG, Lim B, Taniwaki M and Ueda R (2003). Inactivation of the E3/LAPTM5 gene by chromosomal rearrangement and DNA methylation in human multiple myeloma. *Leukemia*, 17(8):1650-1657.
173. Merchant S, Schlette E, Sanger WG, Lai R and Medeiros LJ (2003). Mature B-Cell leukemias with more than 55% prolymphocytes: report of 2 cases with Burkitt lymphoma-type chromosomal translocations involving c-myc. *Arch of Pathol Lab Med*, 127(3):305-309.

174. Rosewald A, Wright G, Wiestner A, Chan WC, Connors JM, Campo E, Gascoyne RD, Grogan TM, Muller-Hermelink HK, Smeland EB, Chiorazzi M, Giltneane JM, Hurt EM, Zhao H, Averett L, Henrickson S, Yang L, Powell J, Wilson WH, Jaffe ES, Simon R, Klausner RD, Montserrat E, Bosch F, Greiner TC, Weisenburger DD, Sanger WG, Dave BJ, Lynch JC, Vose J, Armitage JO, Fisher RI, Miller TP, LeBlanc M, Ott G, Kvaloy S, Holte H, Delabie J and Staudt LM (2003). The proliferation gene expression signature is a quantitative integrator of oncogenic events that predicts survival in mantle cell lymphoma. *Cancer Cell*, 3(2):185-197.
175. Lones MA, Sanger WG, LeBeau MM, Heerema NA, Sposto T, Perkins SL, Buckley J, Kadin ME, Kjeldsberg CR, Meadows A, Siegel S, Finlay J, Bergeron S, Cairo MS and Children's Cancer Group Study CCG-E08 (2004). Chromosome abnormalities may correlate with prognosis in Burkitt/Burkitt-like lymphomas of children and adolescents: a report from Children's Cancer Group study CCG-E-08. *J Pediatr Hematol Oncol*, 26(3):169-178.
176. O'Malley DP, Poulos C, Czader M, Sanger WG and Orazi A (2004). Intraocular inflammatory myofibroblastic tumor with ALK overexpression. *Arch Pathol Lab Med*, 128(1):e5-e7.
177. Copur MS, Ledakis P, Novinski D, Fu K, Hutchins M, Frankforter S, Mleczo K, Sanger WG, and Chan WC (2004). An unusual case of composite lymphoma involving chronic lymphocytic leukemia follicular lymphoma and Hodgkin disease. *Leuk Lymphoma*, 45(5):1071-1076.
178. Iqbal J, Sanger WG, Horsman DE, Rosenwald A, Pickering DL, Dave B, Dave S, Xiao L, Cao, K, Zhu Q, Sherman S, Hans CP, Weisenburger DD, Greiner TC, Gascoyne RD, Ott G, Müller-Hermelink HK, Delabie J, Braziel RM, Jaffe ES, Campo E, Lynch JC, Connors JM, Vose JM, Armitage JO, Grogan TM, Staudt LM and Chan WC for the Leukemia/Lymphoma Molecular Profiling Project (2004). BCL2 translocation defines a unique tumor subset within the germinal center B-cell-like diffuse large B-Cell lymphoma. *Am J Pathol*, 165(1):159-166.
179. Aoun P, Blair H, Dave BJ, Hock L, Lynch J, Weisenburger DD, Pavletic SZ and Sanger WG (2004) Fluorescence in situ hybridization detection of cytogenetic abnormalities in B-cell chronic lymphocytic leukemia/small lymphocytic lymphoma. *Leuk Lymphoma*, 45(8):1595-1603.
180. Dave BJ, Weisenburger DD, Higgins CM, Pickering DL, Chan WC and Sanger WG (2004). Cytogenetics and fluorescence in situ hybridization studies of diffuse large B-Cell lymphoma in children and young adults. *Cancer Genet Cytogenet*, 153(2):115-121.
181. Aoun P, Wiggins M, Pickering D, Foran J, Rasheed H, Pavletic SZ and Sanger WG (2004). Interphase fluorescence in situ hybridization (FISH) studies for the detection of 9q34 deletions in chronic myelogenous leukemia: a practical approach to clinical diagnosis. *Cancer Genet Cytogenet*, 154(2):138-143.
182. Lim AS, Lim TH, Chia P, Raman S, Pickering DL, Zaleski DH, Sanger WG and Tien SL (2004). A case of pure partial duplication 3q in a fetus due to a maternally inherited der(5)ins(5;3)(q33.1;q26.2q27) delineated by FISH. *Prenat Diagn*, 24(11):931-932.
183. Dickinson JD, Smith LM, Sanger WG, Zhou G, Townley P, Lynch JC, Pavletic ZS, Bierman PJ and Joshi SS (2005). Unique gene expression and clinical characteristics are associated with the 11q23 deletion in chronic lymphocytic leukemia. *Br J Haematol*, 128(4):460-471.
184. Lynch HT, Watson P, Tarantolo S, Wiernik PH, Quin-Laguer B, Bergsagel KI, Huiart L, Olopade OI, Sobol H, Sanger WG, Hogg D, Weisenburger DD (2005). Phenotypic heterogeneity in multiple myeloma families. *J Clin Oncol*, 23(4):685-693.
185. Morotti RA, Legman MD, Kerkar N, Pawel BR, Sanger WG and Coffin CM (2005). Pediatric

inflammatory myofibroblastic tumor with late metastasis to the lung: case report and review of the literature. *Pediatr Devel Pathol*, 8(2):224-229. [Epub 2005 Mar 8].

186. Sanger TM, Haskins Olney A., Zaleski D, Pickering D, Nelson M, Sanger WG and Dave BJ (2005). Cryptic Duplication and Deletion of 9q34.3 □qter in a Fa  
*Am J Med Genet A*, 138(1):51-55.
187. Dave BJ, Wiggins M, Higgins CM, Pickering DL, Perry D, Aoun P, Abromowich M, DeVetten M and Sanger WG (2005). 9q34 rearrangements in BCR/ABL fusion-negative acute lymphoblastic leukemia. *Cancer Genet Cytogenet*, 162(1):30-37.
188. Fu K, Weisenburger DD, Greiner TC, Dave S, Wright G, Rosenwald A, Chiorazzi M, Iqbal J, Gesk S, Siebert R, De Jong D, Jaffe ES, Wilson WH, Delabie J, Ott G, Dave BJ, Sanger WG, Smith LM, Rimsza L, Braziel RM, Müller-Hermelink HK, Campo E, Gascoyne RD, Staudt LM and Chan WC (2005). Cyclin D1-negative mantle cell lymphoma: clinicopathological study based on gene expression profiling. *Blood*, 106(13):4315-4321.
189. Heerema NA, Bernheim A, Lim MS, Look AT, Pasqualucci L, Raetz E, Sanger WG, Cairo MS (2005). State of the art and future needs in cytogenetic/molecular genetics/arrays in childhood lymphoma: summary report of workshop at the First International Symposium on Childhood and adolescent non-Hodgkin lymphoma, April 9, 2003, New York City, NY. *Pediatr Blood Cancer*, 45(5):616-622.
190. Teitell MA, Lones MA, Perkins SL, Sanger WG, Cairo MS and Said JW (2005). TCL1 expression and Epstein-Barr virus status in pediatric Burkitt lymphoma. *Am J Clinical Pathol*, 124(4) 569-575.
191. Perkins SL, Pickering D, Lowe EJ, Zwick D, Abromovich M, Davenport G, Cairo M and Sanger WG (2005). Childhood anaplastic large cell lymphoma has a high incidence of ALK gene rearrangement as determined by immunohistochemical staining and fluorescence *in situ* hybridization: a genetic and pathologic correlation. *Br J Haematol*, 131:624-627.
192. Hess MM, Dave BJ and Sanger WG (2005). Cytogenetic aberrations in Lymphoma. *The Cytogenetics Symposia, 2nd Edition*. Eds., B. Dunn, P. Mouchrani, and M. Keagle, Association of Genetic Technologists, Kansas, USA. 14:1-8.
193. Dickinson JD, Gilmore J, Iqbal J, Sanger WG, Lynch JC, Chan J, Bierman PJ and Joshi SS (2006). 11q22.3 deletion in B-chronic lymphocytic leukemia is specifically associated with bulky lymphadenopathy and ZAP-70 expression but not reduced expression of adhesion/cell surface receptor molecules. *Leuk Lymphoma*, 47(2): 231-244.
194. Iqbal J, Nepalli VT, Georeg W, Dave BJ, Horsman DE, Rosenwald A, Fu K, Yulei S, Sanger WG, Pickering DI, Weisenburger DD, Greiner TC, Gascoyne RD, Campo E, Müller-Hermelink HK, Delabie J, Jaffe ES, Grogan TM, Ott G, Connors JM, Vose JM, Armitage JO, Braziel RM, Staudt LM and Chan WC (2006). Prognostic significance of BCL2 expression in an activated B-cell like diffuse large B-cell lymphoma. *J Clinical Oncol*, 24(6):1-8.
195. Dave SS, Fu K, Wright GW, Lam LT, Kluin P, Boerma EJ, Greiner TC, Weisenburger DD, Rosenwald A, Ott G, Müller-Hermelink HK, Gascoyne RD, Delabie J, Rimsza LM, Braziel RM, Grogan TM, Campo E, Jaffe ES, Dave BJ, Sanger WG, Bast M, Vose J, Armitage JO, Connors JM, Smeland EB, Kvaloy S, Holte H, Fisher RI, Miller TP, Montserrat E, Wilson WH, Bahl M, Zhao H, Yang L, Powell J, Simon R, Chan WC, Staudt LM and the Leukemia Lymphoma Molecular Profiling Project (LLMPP) (2006). Molecular Diagnosis of Burkitt's Lymphoma. *N Engl J Med*, 354(23):2431-2442.

196. Dickinson JD, Joshi A, Iqbal J, Sanger WG, Bierman PJ and Joshi SS (2006). Genomic abnormalities in chronic lymphocytic leukemia influence gene expression by a gene dosage effect. *Int J Mol Med*, 17(5):769-778.
197. Ayello J, van de Ven C, Fortino W, Wade-Harris C, Satwani P, Baxi L, Simpson LL, Sanger WG, Pickering D, Kurtzberg J and Cairo MS (2006). Characterization of cord blood natural killer and lymphokine activated killer lymphocytes following ex vivo cellular engineering. *Biol Blood Marrow Transpl*, 12(6):608-622.
198. Turaga KK, Silva-Lopez E, Sanger WG, Nelson M, Hunter WJ, Miettinen M and Gatalica Z (2006). A t(9;11)(q34;q13) translocation in a hibernoma. *Cancer Genet Cytogenet*, 170(2):163-166.
199. Young KH, Xie Q, Zhou G, Eickhoff JC, Sanger WG, Anoun P and Chan WC (2006). Precursor B-cell lymphoblastic lymphoma and follicular lymphoma may arise from the same precursor B-cells with *C-MYC* gene rearrangement as a critical event in the pathogenesis of the lymphoblastic lymphoma. *Am J Clin Pathol*, 30(8):954-961.
200. Lones MA, Heerema NA, LeBeau MM, Perkins SL, Kadin ME, Kjeldsberg CR, Sposto R, Meadows A, Siegel S, Buckley J, Finlay J, Abromowitch M, Cairo MS and Sanger WG (2006). Complex secondary chromosome abnormalities in advanced stage anaplastic large cell lymphoma of children and adolescents: a report from CCG-E08. *Cancer Genet and Cytogenet*, 171(2):89-96.
201. Mark HFL, Sotomayor EA, Nelson M, Chaves F, Sanger WG and Caughron SK (2006). Chronic idiopathic myelofibrosis (CIMF) resulting from a unique 3;9 translocation disrupting the janus kinase 2(JAK2) gene. *Exp Mol Pathol*, 81(3):217-223. [Epub 2006 Sep 7].
202. Young KH, Chan WC, Fu K, Iqbal J, Sanger WG, Ratashak A, Greiner TC, Weisenburger DD (2006). Mantle cell lymphoma with plasma cell differentiation. *Am J Surg Pathol*, 30(8):954-961.
203. Aoun P, Zhou G, Chan WC, Page C, Neth K, Pickering D, Sanger WG, Quinn-Laquer B, Watson P, Lynch JF, Lynch HT and Weisenburger DD (2007). Familial B-cell chronic lymphocytic leukemia: analysis of cytogenetic abnormalities immunophenotype profiles, and immunoglobulin heavy chain gene usage. *Am J Clinical Pathol*, 127(1):31-38.
204. Lones MA, Heerema NA, LeBeau MM, Sposto R, Perkins SL, Kadin ME, Kjeldsberg CR, Meadows A, Siegel S, Buckley J, Abromowitch M, Kersey J, Bergeron S, Cairo MS and Sanger WG (2007). Chromosome abnormalities in advanced stage lymphoblastic lymphoma of children and adolescents: a report from CCG-E08. *Cancer Genet Cytogenet*, 172(1):1-11.
205. Joshi AD, Dickinson JD, Hegde GV, Sanger WG, Armitage JO, Bierman PJ, Bociek RG, DeVetter MP, Vose JM and Joshi SS (2007). Bulky lymphadenopathy with poor clinical outcome is associated with ATM downregulation in B-cell chronic lymphocytic leukemia patients irrespective of 11q23 deletion. *Cancer Genet Cytogenet*, 172(2):120-126.
206. Dave BJ and Sanger WG (2007). Role of cytogenetics and molecular cytogenetics in the diagnosis of genetic imbalances. *Semin Pediatr Neurol*, 14(1):2-6.
207. Lenz G, Nagel I, Siebert R, Sanger WG, Wright GW, Dave S, Tan B, Zhao H, Rosenwald A, Müller-Hermelink HK, Gascoyne RD, Campo E, Jaffe ES, Smeland EB, Fisher RI, Kuehl WM, Chan WC, Staudt LM, and for the Leukemia Lymphoma Molecular Profiling Project (2007). Aberrant immunoglobulin class switch recombination and switch translocations in activated B-cell-like diffuse large B-cell lymphoma. *J Exp Med*, 204(3):633-643. [Epub 2007 Mar 12].

208. Schrezenmeier H, Walther-Wenke G, Muller TH, Weunauer F, Younis A, Holland-Letz T, Geis G, Asmus J, Bauerfeind U, Burkhart J, Deitenbeck R, Forstemann E, Gebauer W, Hochmann B, Karakassopoulos A, Liebscher UM, Sanger WG, Schmidt M, Schunter F, Sireis W, Seifried E (2007). Bacterial contamination of platelet concentrates: results of a prospective multicenter study on comparing pooled whole blood-derived platelets and apheresis platelets. *Transfusion*, 47(4):644-652.
209. Raval A, Tanner SM, Byrd JC, Angerman EB, Perko JD, Chen SS, Grever MR, Lucas DM, Matkovic JJ, Lin TS, Murray F, Weisenburger DD, Sanger WG, Lynch J, Watson P, Jansen M, Yoshings Y, Rosenquist R, deJong P, Coggill P, Beck S, Lynch H, da la Chapelle A and Plass C (2007). Downregulation of death associated protein kinase 1 (*DAPK1*) in chronic lymphocytic leukemia. *Cell*, 129(5):879-890.
210. Heerema NA, Raimondi SC, Anderson JR, Biegel J, Camitta BM, Cooley LD, Gaynon PS, Magenis RE, McGavran L, Patil S, Pettenati MJ, Pullen J, Rao K, Roulston D, Schneider NR, Shuster JJ, Sanger WG, Sutcliffe MJ, van Tuinen P, Watson MS and Carroll AJ (2007). Specific extra chromosomes occur in a modal number dependent pattern in pediatric acute lymphoblastic leukemia. *Genes Chromosome Canc*, 46(7):684-693.
211. Mittal AK, Hegde GV, Aoun P, Bociak RG, Dave BJ, Joshi A, Sanger WG, Weisenburger DD and Joshi SS (2007). Molecular basis of aggressive disease in chronic lymphocytic leukemia patients with 11q deletion and trisomy 12 chromosomal abnormalities. *Int J Mol Med*, 20(4):461-469.
212. Dave BJ and Sanger WG (2007). Role of cytogenetics and molecular cytogenetics in the diagnosis of genetic imbalances. *Semin Pediatr Neurol*, 14(1):2-6. Review.
213. Alsop S, Sanger WG, Elenitoba-Johnson KSJ and Lim MS (2007). Chronic myeloid leukemia as a secondary malignancy after ALK positive anaplastic large cell lymphoma. *Hum Pathol*, 38(10):1576-1580.
214. Sotomayor EA, Shah IM, Sanger WG and Mark HF (2007). In situ follicular lymphoma with a 14;18 translocation diagnosed by a multimodal approach. *Exp Mol Pathol*, 83(2):254-258. [Epub 2007 Mar 24].
215. Iqbal J, Greiner TC, Patel K, Dave BJ, Smith L, Ji J, Wright G, Sanger WG, Pickering DL, Jain S, Horsman DE, Shen Y, Fu K, Weisenburger DD, Hans CP, Campo E, Gascoyne RD, Rosenwald A, Jaffe ES, Delabie J, Rimsza L, Ott G, Muller-Hermelink HK, Connors JM, Vose JM, McKeithan T, Staudt LM, Chan WC, and Leukemia/Lymphoma Molecular Profiling Project (LLMPP) (2007). Distinctive patterns of *BCL6m* molecular alterations and their functional consequences in different subgroups of diffuse large B-cell lymphoma. *Leukemia*, 21(11):2332-2343. [Epub 2007 Jul 12].
216. Byrne JA, Pedersen DA, Clepper LL, Nelson M, Sanger WG, Gokhale S, Wolf DP and Mitalipov SM (2007). Producing primate embryonic stem cells by somatic cell nuclear transfer. *Nature*, 450(7169):492-502. [Epub 2007 Nov 14].
217. Young KH, Weisenburger DD, Dave BJ, Smith L, Sanger WG, Iqbal J, Campo E, Delabie J, Gascoyne RD, Ott G, Rimsza L, Müller-Hermlink HK, Jaffe ES, Rosenwald A, Staudt LM, Chan WC and Greiner TC (2007). Mutations in the DNA-binding codons of *TP53*, which are associated with decreased expression of TRAIL receptor-2, predict for poor survival in diffuse large B-cell lymphoma. *Blood*, 110(13):4396-4405. [Epub 2007 Sep 19].
218. Aoun P, Zhou G, Chan WC, Page C, Neth K, Pickering D, Sanger WG, Quinn-Laquer B, Watson P, Lynch JF, Lynch HT and Weisenburger DD (2007). Familial B-cell chronic lymphocytic



leukemia: analysis of cytogenetic abnormalities immunophenotype profiles, and immunoglobulin heavy chain gene usage. *Am J Clin Pathol*, 172:31-38.

219. Young KH, Chan WC, Fu K, Sanger WG, Pickering D, Greiner TC and Weisenburger DD (2007). Nodular mantle cell lymphoma with plasma cell differentiation: a new morphologic variant. *Helix Onco Review*, 12(2):10-16.
220. Young KH, Xie Q, Zhou G, Eickhoff JC, Sanger WG, Aoun P and Chan WC (2008). Transformation of follicular lymphoma to precursor B-cell lymphoblastic lymphoma with *c-myc* gene rearrangement as a critical event. *Am J Clin Pathol*, 129(1):157-166.
221. Brandau DT, Lund M, Cooley L, Sanger WG and Butler M (2008). Research letter: Autistic and dysmorphic features associated with a submicroscopic 2q33.3-q34 interstitial deletion detected by array comparative genomic hybridization. *Am J Med Genet*, 146A(4):521-524.
222. Meehan DT, Zink MA, Mahien M, Nelson M, Sanger WG, Mitalipov SM, Wolf DP, Ouellette MM and Norgren RB (2008). Gene targeting in adult rhesus macaque fibroblasts. *BMC Biotechnol*, 26:8:31.
223. Pickering DL, Eudy JD, Olney AH, Dave BJ, Golden D, Stevens J and Sanger WG (2008). Array-based comparative genomic hybridization analysis of 1176 consecutive clinical genetics investigations. *Genet Med*, 10(4):262-266.
224. Nelson M, Horsman DE, Weisenburger DD, Gascoyne RD, Dave BJ, Loberiza FR, Ludkovski O, Armitage JO and Sanger WG (2008). Cytogenetic abnormalities and clinical correlations in peripheral T-cell lymphoma. *Br J Haematol*, 141(4):461-469. [Epub 2008 Mar 12].
225. Bakshi SR, Dave BJ, Sanger WG, Brahmabhatt MM, Trivedi PJ, Kakadia PM and Patel SJ (2008). Characterization of a familial small supernumerary marker chromosome in a patient with adult-onset tongue cancer. *Cytogenet Genome Res*, May;121(1):14-17. [Epub 2008 May 7].
226. Lynch HT, Ferrara K, Barlogie B, Coleman EA, Lynch JF, Weisenburger DD, Sanger WG, Watson P, Nipper H, Witt V and Thomé S (2008). Familial myeloma. *New Engl J Med*, 10;359(2):152-157.
227. Lau LC, Lim P, Lim YC, Teng LM, Lim LC, Tan SY, Lim ST, Sanger WG and Tien SL (2008). Occurrence of trisomy 12, t(14;18)(q32;q21), and t(8;14)(q24.1;q11.2) in a patient with B-cell chronic lymphocytic leukemia. *Cancer Genet Cytogenet*, 185(2):95-101.
228. Bhagavathi S, Greiner TC, Kazmi SA, Fu K, Sanger WG and Chan WC (2008). Primary Central Nervous system extranodal marginal zone lymphoma of mucosa associated lymphoid tissue with t(14;18) and review of literature. *J Hematop*, 1(2):131-7. [Epub 2008 Jun 18].
229. Lynch HT, Ferrara KM, Sanger WG, Weisenburger DD and Thome S (2008). Genetic counseling for DAPK1 mutation in a chronic lymphocytic leukemia family. *Cancer Genet Cytogenet*, 186(2):95-102.
230. Smock KJ, Nelson M, Tripp SR, Sanger WG, Abromowitch M, Cairo MS, and Perkins SL (2008). Characterization of childhood precursor-T lymphoblastic lymphoma by immunophenotyping and fluorescence in-situ hybridization: a report from the Children's Oncology Group. *Pediatr Blood Cancer*, 51(4):489-494.
231. d'Amore F, Chan E, Iqbal J, Geng H, Young K, Li X, Sherman S, Hess MM, Sanger WG, Chan WC and Dave BJ (2008). Clonal evolution in t(14;18)-positive follicular lymphoma, evidence for multiple common pathways and frequent parallel clonal evolution. *Clin Cancer Res*, 14(22):7180-

7187.

232. Naushad H, Choi W, Page CJ, Weisenburger DD, Sanger WG and Aoun P (2009). Mantle cell lymphoma with flow cytometric evidence of clonal plasmacytic differentiation: a case report. *Cytometry B Clin Cytom*, 76(3):218-24.
233. Poirel, HA, Cairo MS, Heerema N, Swansbury J, Auperin A, Launay E, Sanger WG, Talley P, Perkins SL, Raphael M, McCarthy K, Sposto R, Gerrard M, Bernheim A, Patte C and FAB/LMB 96 International Study Committee (2009). Specific cytogenetic abnormalities are associated with a significantly inferior outcome in children and adolescents with mature B-cell non-Hodgkin's lymphoma: results of the FAB/LMB 96 International Study. *Leukemia*, 23(2):323-331.
234. Gu K, Fu K, Jain S, Liu Z, Chan J, Weisenburger DD, Greiner T, Aoun P, Sanger WG, Iqbal J and Dave B (2009). t(14;18) - negative follicular lymphoma are associated with a high frequency of BCL6 rearrangement at the alternative breakpoint region. *Mod Pathol*, 22(9):1251-1257.
235. Dave BJ, Olney AH, Zaleski DH, Pickering DL, Becker TA, Chipman HE and Sanger WG (2009). Inherited 14q duplication and 21q deletion: a rare adjacent-2 segregation in multiple family members. *Am J Med Genet A*, 149a(10):2248-2253.
236. Tsuchiya KD, Shaffer LG, Aradhya S, Biggerstaff J, Gastier-Foster J, Patel A, Rudd MK, Sanger WG, Schwartz S, Tepperberg J, Thorland E, Torchia B and Brothman A (2009). Variability in interpreting & reporting copy number changes detected by array-based technology in clinical laboratories. *Genet Med*, 11(12):866-73.
237. Lones MA, Raphael M, McCarthy K, Wotherspoon A, Terrier-Lacombe M, Ramsay AD, MacLennan K, Cairo MS, Gerrard M, Michon J, Patte C, Pinkerton R, Sender L, Auperin A, Sposto R, Weston C, Heerema NA, Sanger WG, Bernheim A, Poirel H, Swansbury J, Talley P and Perkins SL (2009). Primary follicular large cell lymphoma of the testis in children and adolescents: A Report for CCG-5961. *Br J Hematol*.
238. Nelson M, Perkins S, Dave B, Coccia P, Bridge J, Lyden E, Heerema N, Lones M, Harrison L, Cairo M and Sanger WG (2010). An increased frequency of 13q deletions detected by fluorescence *in situ* hybridization and its impact on survival in children and adolescents with Burkitt lymphoma: results from the Children's Oncology Group CCG-5961. *Br J Haematol*, 148(4):600-10. [Epub 2009 Nov 4].
239. Peterson C, Lester DR and Sanger WG (2010). Burkitt's lymphoma in early pregnancy. *J Clin Oncol*, 28(9):136-8. [Epub 2010 Jan 4].
240. Eudy JD, Pickering DL, Lutz R, Platt K, Dave BJ, Olney AH and Sanger WG (2010). 18q22.3→18q23 deletion syndrome and cleft palate. *Am J Med Genet A*, 152A(4):1046-1048.
241. Macferran KL, Buchmann RF, Ramakrishnaih R, Griebel ML, Sanger WG, Saronwala A and Schaefer, GB (2010). Pontine tegmental cap dysplasia with a 2q13 micro-deletion involving the NPHP1 gene: Insights into malformations of the mid-hindbrain. *Semin Pediatr Neurol*, 17(1):69-74.
242. Marušić Z, Zovak M, Hagenkord JM, Kash S, Koul MS, Sanger WG, Gatalica A, Krušlin B and Tomas D (2010). Papillary renal cell-like carcinoma in a retroperitoneal teratoma. *Pathol Int*, 60(8):581-5.
243. Gatalica Z, Hes O, Vanecek T and Sanger WG (2010). Renal Smooth Muscle Hamartoma. *Pathol Res Pract*, 206(11):782-4. [Epub 2010 May 11].

244. Moreno-De-Luca D, Steffansson H, SGENE Consortium, Kaminsky EB, Myers SM, Adam MP, Pakula AT, Eisenhauer NJ, Uhas K, Weik L, Guy L, Care ME, Morel F, Boni C, Salbert BA, Chandrareddy A, Demmer LA, Chow EWC, Surti U, Aradhya S, Pickering DL, Golden DM, Sanger WG, Aston E, Brothman AR, Gliem TJ, Thorland EC, Ackley T, Iyer R, Huang S, Barber JC, Crolla JA, Mulle JG, Warren ST, Martin CL and Ledbetter DH (2010). Deletion 17q12 is a recurrent copy number variant that confers high risk of autism and schizophrenia. *Am J Hum Genet*, 87(5):618-630. [Epub 2010 Nov 4]. Erratum in: *Am J Hum Genet*, 2011 Jan 7;88(1):121. PMID 21055719
245. Moreno-De-Luca D, SGENE Consortium, Mulle JG, Simons Simplex Collection Genetics Consortium, Kaminsky EB, Sanders SJ, GeneSTAR, Myers SM, Adam MP, Pakula AT, Eisenhauer NJ, Uhas K, Weik L, Guy L, Care ME, Morel CF, Boni C, Salbert BA, Chandrareddy A, Demmer LA, Chow EW, Surti U, Aradhya S, Pickering DL, Golden DM, Sanger WG, Aston E, Brothman AR, Gliem TJ, Thorland EC, Ackley Iyer R, Huang S, Barber JC, Crolla JA, Warren ST, Martin CL and Ledbetter DH (2010). A rare copy number variant at 17q12 confers high risk for autism and schizophrenia. *Am J Hum Genet*, 87(5):618-30. [Epub 2010 Nov 4]. Erratum in: *Am J Hum Genet*, 2011 Nov 12;87(5):618-30.
246. Lim AS, Lim TH, Hess MM, Kee SK, Lau YF, Gilbert R, Hempel TE, Anderson KJ, Zaleski DH, Tien SL, Chia P, Subramaniam R, Tan HK, Tan ASA, Sanger WG (2010). Rapid aneuploidy screening with FISH: is it a sufficiently robust stand-alone test for prenatal diagnosis? *Hong Kong Med J*, 16(6):427-33.
247. Schaefer GB, Starr L, Pickering D, Skar G, DeHaai K and Sanger WG (2010). Array CGH findings in a cohort referred for an autism evaluation. *J Child Neurol*, 25(12):1498-1503. [Epub 2010 Aug 20].
248. Visco C, Hoeller S, Malik JT, Xu-Monette ZY, Wiggins ML, Liu J, Sanger WG, Liu Z, Chang J, Ranheim EA, Gradowski JF, Serrano S, Wang HY, Liu Q, Dave S, Olsen B, Gascoyne RD, Campo E, Swerdlow SH, Chan WC, Tzankov A and Young KH (2011). Molecular characteristics of mantle cell lymphoma presenting with clonal plasma cell component. *Am J Surg Pathol*, 35(2):177-189. PMID 21263238
249. Engelstad H, Carney G, S'Aulis D, Rise J, Sanger WG, Rudd MK, Richard G, Carr CW, Abdul-Rahman OA and Rizzo WB (2011). Large contiguous gene deletions in Sjögren-Larsson syndrome. *Mol Genet Metab*, 104(3):356-61. [Epub 2011 May 30].
250. Shiramizu B, Goldman S, Kusao I, Agsalda M, Lynch J, Smith L, Harrison L, Morris E, Gross TG, Sanger WG, Perkins S and Cairo MS (2011). Minimal disease assessment in the treatment of children and adolescents with intermediate-risk (Stage III/IV) B-cell non-Hodgkin lymphoma: a Children's Oncology Group report. *Br J Hematol*, 153(6):758-763. [Epub 2011 Apr 18]. PMID 21496005
251. Goldman S, Lynch J, Smith L, Anderson J, Perkins S, Harrison L, Geyer M, Gross T, Weinstein H, Bergeron S, Shiramizu B, Sanger WG, Zhi J and Cairo M (2011). Safety, Pharmacokinetics and outcome following the addition of Rituximab to FAB/LMB 96 backbone chemotherapy in children and adolescents with newly diagnosed stage III/IV intermediate risk mature B-cell non-Hodgkin lymphoma: A Children's Oncology Group report *Submitted to Blood* 2011.
252. Kaminsky EB, Kaul V, Paschall J, Church D, Bunke B, Kunig D, Moreno-De-Luca D, Moreno-De-Luca A, Mulle JG, Warren ST, Richard G, Compton JG, Fuller AE, Gliem TJ, Huang S, Collinson MN, Beal SJ, Ackley T, Pickering DL, Golden DM, Aston E, Whitby H, Shetty S, Rossi MR, Rudd

- MK, South ST, Brothman AR, Sanger WG, Iyer RK, Crolla JA, Thorland EC, Aradhya S, Ledbetter DH and Martin CL (2011). An evidence-based approach to establish the functional and clinical significance of CNVs in intellectual and developmental disabilities. *Genet Med*, 13(9):777-84. PMID 21844811.
253. Chen Y, Dave BJ, Irons R, Zhu X, Chan WC, Iqbal J, Sanger WG and Fu K. Different cytogenetic profile of diffuse large B-cell lymphoma between Chinese and American patients. *Submitted to Leukemia & Lymphoma*, October 11, 2011.
254. Schiffman JD, Lorimer P, Rodic V, Jahromi M, Downie J, Bayerl M, Sanmann J, Althof P, Sanger WG, Barnette P, Perkins S and Miles R (2011). Genome wide copy number analysis of paediatric Burkitt lymphoma using formalin-fixed tissues reveals a subset with gain of chromosome 13q and corresponding miRNA over expression. *Br J Haematol*, 155(4):477-86. [Epub 2011 Oct 8]. PMID 21981616.
255. Engelstad H, Carney G, S'aulis D, Rise J, Sanger WG, Rudd MK, Richard G, Carr CW, Abdul-Tahman OA, Rizzo WB. Large contiguous gene deletions in Sjögren-Larsson syndrome. *Mol Genet Metab* 2011 Nov;104(3):356-61. [Epub 2011 May 30].
256. Mhanni AA, Hartley JN, Sanger WG, Chudley AE and Spriggs EL (2011). Variable expressivity of a novel mutation in the SCN1A gene leading to an autosomal dominant seizure disorder. *Seizure*, 20(9):711-2. [Epub 2011 Jul 19].
257. Goldman S, Galardy PJ, Smith L, Perkins S, Shiramizu B, Gross T, Sanger WG, Harrison L and Cairo MS. (2011) The efficacy of Rasburicase and Rituximab combined with FAB chemotherapy in children and adolescents with newly diagnosed stage III/IV BM+ and CNS+ mature B-NHL: a Children's Oncology Group report. *Blood*, 118;21.
258. Cairo MS, Day NS, Goldman S, Sanger WG, Harrison L, Lim M, Miles R and Perkins S (2011). Genomic pathways and potential therapeutic targets in Pediatric Burkitt Lymphoma (PBL): a Children's Oncology Group report. *Blood*, 118;21.
259. Dave BJ, Nelson M and Sanger WG (2011). Lymphoma cytogenetics. *Clin Lab Med*, 31(4):725-61. [Epub 2011 Oct 21]. PMID 22118746.
260. Caponetti GC, Althof PA, Dobesh RC, Miranda RN, Sanger WG, Medeiros LJ, Greiner TC and Weisenburger D (2012). Immunohistochemical and molecular cytogenetic evaluation of potential targets for tyrosine kinase inhibitors in langerhans cell histiocytosis. *Hum Pathol*, 43(12):2223-8.
261. Sanmann J, Schaefer GB, Buehler BA and Sanger WG (2012). Algorithmic approach for Methyl-CpG binding Protein 2 (*MECP2*) gene testing in patients with neurodevelopmental disabilities. *J Child Neurol*, 27(3):346-54. [Epub 2011 Nov 28]. PMID 22123427.
262. Lones MA, Raphael M, McCarth K, Wotherspoon AI, Terrier-Lacombe MJ, Ramsay AD, MacLennan K, Cairo MS, Gerrard M, Michon J, Patte C, Pinkerton R, Sender L, Auperin A, Sposto R, Weston C, Heerema NA, Sanger WG, von Allmen D and Perkins SL (2012). Primary follicular lymphoma of the testis in children and adolescents. *J Pediatr Hematol Oncol*, 34(1):68-71. PMID 22215099.
263. Pan Z, Sanger WG, Bridge JA, Hunter WJ, Siegal GP and Wei S (2012). A novel t (6;13)(q15;q34) translocation in a giant cell reparative granuloma (solid aneurysmal bone cyst). *Hum Pathol*, 43(6):952-7. [Epub 2012 Jan 26]. PMID 22285042.
264. Patel S, Grovas A, Gordon B, Harper J, Warkentin P, Wisecarver J, Sanger W and Coccia P

- (2012). Cytosine Arabinoside and Mitoxantrone followed by second allogeneic stem cell transplantation for the treatment of children with relapsed Juvenile Myelomonocytic Leukemia (JMML). *Pediatric Blood & Cancer* Accepted February 2012.
265. Swansbury J and Sanger W (2012). Cytogenetics of lymphoma in children and young adults: Hematological Malignancies in Children, Adolescents and Young Adults. World Scientific Publishing, Singapore.
266. Sanmann JN, Schaefer GB, Buehler BA and Sanger WG (2012). Algorithmic approach for methyl-CpG binding protein 2 (MECP2) gene testing in patients with neurodevelopmental disabilities. *J Child Neurol*, 27(3):346-54. [Epub 2011 Nov 28].
267. Rosenfeld JA, Traylor RN, Schaefer GB, McPherson EW, Ballif BC, Klopocki E, Mundlos S, Shaffer LG, Aylsworth AS and 1q21.1 Study Group (2012). Proximal microdeletions and microduplications of 1q21.1 contribute to variable abnormal phenotypes. *Eur J Hum Genet*, 20(7):754-61. [Epub 2012 Feb 8]. PMID 22317977.
268. Deffenbacher KE, Iqbal J, Sanger W, Shen Y, Lachel C, Liu Z, Liu Y, Lim MS, Perkins SL, Fu K, Smith L, Lynch J, Staudt LM, Rimsza LM, Jaffe E, Rosenwald A, Ott GK, Delabie J, Campo E, Gascoyne RD, Cairo MS, Weisenburger DD, Greiner TC, Gross TC and Chan WC (2012). Molecular distinctions between pediatric and adult mature B-cell non-hodgkin lymphomas identified through genomic profiling. *Blood*, 119(16):3757-66. [Epub 2012 Feb 28]. PMID 22374697.
269. Sanmann JN, Bishay DL, Starr LJ, Bell CA, Pickering DL, Stevens JM, Kahler SG, Olney AH, Schaefer GB and Sanger WG (2012). Characterization of six novel patients with MECP2 duplications due to unbalanced rearrangements of the X chromosome. *Am J Med Genet A*, 158A(6):1285-91. [Epub 2012 May 11]. PMID 22581587
270. Caponetti GC, Miranda RN, Althof PA, Dobesh RC, Sanger WG, Medeiros LJ, Greiner TC and Weisenburger DD (2012). Immunohistochemical and molecular cytogenetic evaluation of potential targets for tyrosine kinase inhibitors in Langerhans cell histiocytosis. *Hum Pathol* 43(12):2223-8. [Epub 2012 Jun 27]. PMID 22748304
271. Goldman S, Smith L, Anderson JR, Perkins S, Harrison L, Geyer MB, Gross TG, Weinstein H, Bergeron S, Shiramizu B, Sanger W, Barth M, Zhi J and Cairo MS (2013). Rituximab and FAB/LMB 96 chemotherapy in children with Stage III/IV B-cell non-Hodgkin lymphoma; a Children's Oncology Group report. *Leukemia*. [Epub 2012 Sep 3].
272. Goldman S, Smith L, Galardy P, Perkins SL, Frazer JK, Sanger W, Anderson JR, Gross TG, Weinstein H, Harrison L, Shiramizu B, Barth M and Cairo MS. The safety and efficacy of Rituximab and FAB chemotherapy in children and adolescents with bone marrow and/or central nervous system Burkitt lymphoma/leukemia: a Children's Oncology Group report. *Submitted to J Clin Oncol*, Nov 21, 2012.
273. Moreno-De-Luca D, Kaminsky EB, Myers SM, Adam MP, Pakula A, Eisenhauer NJ, Uhas K, Weik L, Guy L, Rossi MR, Care ME, Morel CF, Boni M, Salbert B, Pearce BD, Chandraredy A, Demmer LA, Chow EWC, Surti U, Hegde M, Sanger WG, Aradhya S, Martin C and Ledbetter DH. Sex-specific risk for autism associated with recurrent 17a12 microdeletions. *Submitted to Nat Genet*.
274. Walker A, Mrozek K, Kohlschmid J, Rao KW, Pettenati MJ, Sterling LJ, Marcucci G, Carroll AJ, Bloomfield CD; Alliance for Clinical Trials in Oncology (2013). New recurrent balanced

- translocations in acute myeloid leukemia and myelodysplastic syndromes: cancer and leukemia group B 8461. *Genes Chromosomes Cancer*, 52(4): 385-401. [Epub 2012 Dec 10]. PMID 23225546.
275. Perry AM, Aoun P, Coulter DW, Sanger WG, Grant WJ and Coccia PF (2013). Early onset, EBV-negative PTLN in pediatric liver-small bowel transplant recipients: a spectrum of plasma cell neoplasms with favorable prognosis. *Blood*, 121(8):1377-83. [Epub 2012 Dec 18]. PMID 23255556.
276. Matthew JB, Goldman S, Smith L, Perkins SL, Shiramizu, Gross TG, Harrison L, Sanger W, Geyer MB, Giulino LB and Cairo, MS (2013). Rituximab pharmacokinetics in children and adolescents with de novo intermediate and advanced mature B-cell lymphoma/leukemia: a Children's Oncology Group (COG) report. *Brit J Haematol*.
277. Perry AM, Nelson M, Sanger WG, Bridge JA and Greiner TC (2013). Cytogenetic abnormalities in follicular dendritic cell sarcoma: report of two cases and literature review. *In Vivo*, 27(2):211-4. PMID 23422480.
278. Chen Y, Dave BJ, Zhu X, Chan WC, Iqbal J, Sanger WG, Fu K (2013). Differences in the cytogenetic alteration profiles of diffuse large B-cell lymphoma among Chinese and American patients. *Cancer Genet*, 206(5):183-90. PMID 23849050.
279. Kanev I, Mei WN, Mizuna A, DeHaai K, Sanmann J, Hess M, Starr L, Grove J, Dave B, Sanger W (2013). Searching for electrical properties, phenomena and mechanisms in the construction and function of chromosomes. *Comput Struct Biotechnol J*, 27;6:e201303007. PMID 24688715.
280. Barth MJ, Goldman S, Smith L, Perkins S, Shiramizu B, Gross TG, Harrison L, Sanger W, Geyer MB, Giulino-Roth L, Cairo MS (2013). Rituximab pharmacokinetics in children and adolescents with de novo intermediate and advanced mature B-cell lymphoma/leukemia: A Children's Oncology Group report. *Br J Haematol*, 162(5):678-83. [Epub 2013 Jun 27]. PMID 23802659.
281. Rush ET, Stevens JM, Sanger WG, Olney AH (2013). Report of a patient with developmental delay, hearing loss, growth retardation, and cleft lip and palate and a deletion of 7q34-36.1: Review of distal 7q deletions. *Am J Med Genet A*, 161(7):1726-32. [Epub 2013 May 21]. PMID 23696251.
282. Bhatt V, Akhtari M, Bociek RG, Sanmann, J Yuan J, Dave B, Sanger W, Kessinger A, Armitage, J (2013). Allogeneic stem cell transplantation for Philadelphia chromosome-positive acute myeloid leukemia. *Mayo Clinic Proceedings*.
283. Patel SA, Coulter DW, Grovas AC, Gordon BG, Harper JL, Warkentin PI, Wisecarver JL, Sanger WG and Coccia PF (2014). Cytosine Arabinoside and Mitoxantrone followed by second allogeneic transplant for the treatment of children with refractory Juvenile Myelomonocytic Leukemia. *J Pediat Hematol Onc*, 36(6):491-4. [Epub 2013 Dec 7]. PMID 24322499.
284. Starr LJ, Sanmann JN, Olney AH, Wandoloski M, Sanger WG and Coulter DW (2014). Occurrence of nephroblastomatosis with dup(18)(q11.2-q23): Implicates Trisomy 18 Tumor Screening Protocol in Select Patients with 18q Duplication. *Am J Med Genet A*, 164(4):1079-82. [Epub 2014 Mar 4]. PMID 24596125.
285. Starr LJ, Truemper EJ, Pickering DL, Sanger WG and Olney AH (2014). Duplication of 20qter and deletion of 20pter due to paternal pericentric inversion: Patient report and review of 20qter duplications. *Am J Med Genet A* [epub ahead of print]. PMID: 24954807.

286. Caponetti GC, Dave BJ, Perry Am, Smith LM, Meyer PN, Bast M, Bierman PJ, Bockiek RG, Vose JM, Armitage JO, Aoun P, Fu K, Greiner TC, Chan WC, Sanger WG and Weisenburger DD (2014). Clinical significance of MYC, BCL2 and BCL6 cytogenetic abnormalities in diffuse large B-cell lymphoma. Submitted
287. Bhatt V, Akhtari M, Bociek RG, Sanmann, J Yuan J, Dave B, Sanger W, Kessinger A, Armitage, J (2014). Allogeneic stem cell transplantation for Philadelphia chromosome-positive acute myeloid leukemia. *J Natl Compr Canc Netw*, 12:963-968.
288. Goldman S, Smith L, Galardy P, Perkins SL, Frazer JK, Sanger W, Anderson JR, Gross TG, Weinstein H, Harrison L, Shiramizu B, Barth M and Cairo MS (2014). Rituximab with chemotherapy in children and adolescents with central nervous system and/or bone marrowpositive Burkitt lymphoma/leukaemia: a Children's Oncology Group Report. *Br J Haematol*. PMID 25066629.
289. Sanmann JN, Pickering DI, Golden DM, Stevens JM, Hempel TE, Althof PA, Wiggins ML, Starr LJ, Dave BJ and Sanger WG (2015). Assessing the utility of confirmatory studies following identification of large-scale genomic imbalances by microarray. *Genet Med* [epub ahead of print]. PMID 25590977.