


Committee on Energy and Commerce
U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

1. Your Name:	
Joanne Kurtzberg, M.D.	
2. Your Title:	
Chief Scientific Officer CT2, Director of PBMT + Carolinas Cord Blood Bank	
3. The Entity(ies) You are Representing:	
Cord blood association	
4. Are you testifying on behalf of the Federal, or a State or local government entity?	Yes <input type="radio"/> No <input checked="" type="radio"/>
5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2013. Only grants, contracts, or payments related to the <u>subject matter</u> of the hearing must be listed.	
HHSH234200737002C 5201-NS075017 HHSH25020100012C 5410-HL069274	
6. Please attach your curriculum vitae to your completed disclosure form.	

Signature: 

Date: 6/23/15

DUKE UNIVERSITY MEDICAL CENTER

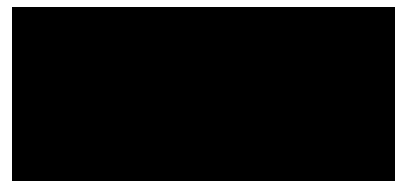
**CURRICULUM VITAE
for
Permanent Record
and the
Appointments and Promotions Committee**

JOANNE KURTZBERG, MD

June 2015

ADDRESS: Box 3850
2400 Pratt Street
Duke University Medical Center
Durham, NC 27705

PHONE:
FAX:
E-MAIL:



PRIMARY ACADEMIC APPOINTMENT:

Pediatrics

PRESENT ACADEMIC RANK AND TITLE:

Jerome Harris Distinguished Professor of
Pediatrics
Professor of Pediatrics, with Tenure
Professor of Pathology
Duke University Medical Center

**DATE AND RANK OF FIRST DUKE
FACULTY APPOINTMENT:**

July 1, 1983
Assistant Professor of Pediatrics

MEDICAL LICENSURE:

New York 1977
North Carolina 1980, training license
North Carolina 1983, number 27221

PROVIDER NUMBERS:

NCI Investigator number 11147
Medicaid Provider number
Duke - 3400030
Dr. Kurtzberg - 8950472
North Carolina - 7907025
Missouri Medicaid - 204010409
Wisconsin Medicaid - 81452000
Tennessee Medicaid - 4024084
South Carolina Medicaid - 27221
Virginia Medicaid - 6029523
West Virginia Medicaid - 0108361000
Alabama Medicaid - 009406630
Kentucky Medicaid - 64522006
Pennsylvania Medicaid - 01585420
Maryland Medicaid - 203003900

Mississippi Medicaid - 0121695
Idaho Medicaid - 805311100

PROVIDER NUMBERS (continued)

Rhode Island Medicaid - JK28334
Minnesota Medicaid -1016181-00
California MediCAL:
Inpatient# - XHSO33204
Outpatient# - XHSP43204

Unique Physician ID# C85024

Duke PDA 3222
NC Board Med. Examiners #11480
NPI: 1437212206

SPECIALTY CERTIFICATION AND DATES:

American Board of Pediatrics: May 1982 #27494
Sub-Board of Hematology/Oncology: October 1982 #612

SOCIETIES:

American Society of Hematology (ASH)
American Society for Blood and Marrow Transplantation (ASBMT)
International Society for Cellular Therapy (ISCT)
The American Society of Pediatric Hematology Oncology (ASPHO)
American Association for Cancer Research (AACR)
American Society of Clinical Oncology (ASCO)
American Academy of Pediatrics (AAP)
Cord Blood Association (CBA)
Society for Pediatric Research (SPR)
North Carolina Pediatric Society (NCPS)
Association of American Physicians (AAP)

EDUCATION:

<u>Place</u>	<u>Date</u>	<u>Degree</u>
High School of Music and Art, New York, NY	1968	Graduate
Sarah Lawrence College, Bronxville, NY	1972	B.A.
New York Medical College, New York, NY	1976	M.D.

PROFESSIONAL TRAINING AND ACADEMIC CAREER

Dartmouth Medical Center Hanover NH	1976-1977	Internship, Pediatrics
Upstate Medical Center Syracuse NY	1977-1979	Residency, Pediatrics
Upstate Medical Center Syracuse NY	1979-1980	Clinical Research Fellow, Pediatric Hematology-Oncology

Duke University Medical Center Durham NC	1980-1983	Senior Research Fellow, Pediatric Hematology-Oncology
Duke Comprehensive Cancer Center	1983-present	Faculty Member
Duke University Medical Center	1983-1987	Assistant Professor, Pediatrics
Duke University Medical Center	1984-2012	Pharmacy and Therapeutics Committee
Duke University Medical Center	1988-1990	Associate Professor, Pediatrics
Duke University Medical Center	1988-1992	Committee on Health Affairs
Duke University Medical Center	1989-1997	Director, Hematopoiesis Laboratory, DCCC
Duke University Medical Center	1989-1998	Director, Pediatric Bone Marrow Laboratory
Duke University Medical Center	1989-1994	Director, Pediatric Bone Marrow Transplantation Program
Duke University Medical Center	1990-1993	Associate Professor with Tenure, Pediatrics
Duke University Medical Center	1990-present	Director, Pediatric Blood and Marrow Transplant Program
Duke University Medical Center	1991-1996	Assistant Professor of Pathology
Duke University Medical Center	1991-2000	Interdisciplinary Program in Transplantation Committee
Duke University Medical Center	1991-1997	Children's Services Planning Committee
Duke University Medical Center	1991-1998	Chemotherapy Advisory Committee
Duke Comprehensive Cancer Center	1982-present	Senior Investigator Module V111
Duke University Medical Center	1992-1998	Transfusion Task Force
Duke University Medical Center	1992-1998	Operations Committee Department of Pediatrics
Duke University Medical Center	1993-2000	Quality Improvement Committee Department of Pediatrics
Duke University Medical Center	1993-present	Graduate Faculty of the Graduate School

		Department of Pathology
Duke University Medical Center	1993-present	Faculty Academic Surgical Research Training Grant
Duke University Medical Center	1993-present	Faculty Research Training in Cancer Biology
Duke University Medical Center	1993-present	Professor of Pediatrics with Tenure
Duke University Medical Center	1994-1998	Hematology Laboratory Advisory Committee
Duke University Medical Center	1994-1996	Search Committee, Head, Duke Comprehensive Cancer Center
Duke University Medical Center	1994-1998	Quality Assurance Committee - Gene Therapy Core Facilities
Duke University Medical Center	1994-1996	Acting Director, Pediatric Oncology Program, Duke Comprehensive Cancer Center
Duke University Medical Center	1994-1996	Appointments, Promotions, and Tenure Committee
Duke University Medical Center	1994-2000	Hospital Laboratory Directors Committee
Duke University Medical Center	1994-1997	Pediatric Oncology Group Principal Investigator for Duke
Duke University Medical Center	1994-present	Director, Pediatric Bone Marrow Transplant Program
Duke University Medical Center	1994-present	Executive Committee, Association of Women Faculty of Duke
Duke University Medical Center	1994-present	Clinical Cancer Committee
Duke University Medical Center	1995	Neonatology Search Committee
Duke University Medical Center	1995-1996	BMT Director Search Committee
Duke University Medical Center	1996-2003	Associate Professor of Pathology
Duke University Medical Center	1996-present	Director, Carolinas Cord Blood Bank
Duke University Medical Center	1997-1999	National Institutes of Neurological Diseases and Stroke Internal Advisory Committee Member

Duke University Medical Center	1998-present	Oncology Evaluation Team Representative for Pediatrics
Duke University Medical Center	1998-1999	BMT Management Committee
Duke University Medical Center	1998-present	Children's Services Management Committee
Duke University Medical Center	1998-2013	Medical Director, Pediatric Bone Marrow Transplant Unit
Duke University Medical Center	1998-present	Co-Director, StemCell Transplant Laboratory
Duke University Medical Center	1998-1999	Hem-Path Search Committee
Duke University Medical Center	2000-present	Data and Safety Management Board – Thymus Transplantation in patients with DiGeorge syndrome – Dr. Louise Markert
Duke University Medical Center	1999-2012	Children's Health Center Committee
Duke University Medical Center	2000-2001	Medical Director of Children's Services Search Committee
Duke University Medical Center	2002-2003	Comprehensive Cancer Center Director Search Committee
Duke University Medical Center	2002-present	Dean's Advisory Committee on Women
Duke University Medical Center	2003-present	Professor of Pathology
Duke University Medical Center	2004-present	Medical Director, CORD:USE Cord Blood Bank
Duke University Medical Center	7/2004-3/2011	Chief, Division of Blood and Marrow Transplant
Duke University Medical Center	4/2005-present	Member of the AIDS Research Center
Duke University Medical Center	4/2005-2011	Comprehensive Cancer Center Board of Overseers
Duke University Medical Center	6/2005-present	Executive Committee of the DTMI
National Marrow Donor Program Center for Cord Blood	10/2005-present	Senior Medical Advisor
DTMI/CTSA Cell Therapy Program	9/2007-present	Director

Stem Cell Research Oversight Committee	2010-present	Director
Duke Cancer Institute (DCI)	2010-present	Member
Duke Translational Medicine Institute	3/2011-present	Chief Scientific Officer and Medical Director, Robertson Clinical and Translational Cell Therapy Center
Duke Translational Advisory Committee	2014-present	Member

PUBLICATIONS: REFEREED JOURNALS

- Hershfield MS, Kredich NM, Koller CA, Mitchell BS, **Kurtzberg J**, Kinney TR, Falletta JM. S-adenosylhomocysteine catabolism and basis for acquired resistance during treatment of T-cell acute lymphoblastic leukemia with 2'deoxycoformycin alone and in combination with 9-B-D-arabinofuranosyladenine. *Cancer Res.* 43(7):3451-3458, 1983. PMID: 6601986
- Friedman HS, **Kurtzberg J**, Croker B, Falletta JM, Kinney TR. Retinoblastoma metastatic to bone marrow. *Clin Pediatr.* 23(3):184-187, 1983. PMID: 6697626
- Becton DL, Kinney TR, Chaffee S, **Kurtzberg J**, Friedman HS, Falletta JM. High-dose intravenous immunoglobulin for severe platelet alloimmunization. *J Pediatr.* 74(6):1120-1122, 1984. PMID: 6504636
- Kurtzberg J**, Dennis VW, Kinney TR. Cisplatin-induced renal salt wasting. *Med Pediatr Oncol.* 12(2):150-154, 1984. PMID: 6538257
- Hershfield MS, **Kurtzberg J**, Harden E, Moore JO, Whang-Peng J, Haynes BF. Conversion of a stem cell leukemia from a T-lymphoid to a myeloid phenotype induced by the adenosine deaminase inhibitor 2'-deoxycoformycin. *Proc Natl Acad Sci U S A.* 81(1):253-257, 1984. PMID: 344650
- Becton DL, Kinney TR, Chaffee S, **Kurtzberg J**, Friedman HS, Falletta JM. Frequency of bone marrow aspirates in leukemia. *J Pediatr.* 105:509-510, 1984. PMID: 6590828
- Kurtzberg J**, Hershfield MS. Determinants of deoxyadenosine toxicity in hybrids between human T- and B-lymphoblasts as a model for the development of drug resistance in T-cell acute lymphoblastic leukemia. *Cancer Res.* 45(4):1579-1586, 1985. PMID: 3872167
- Hershfield MS, **Kurtzberg J**, Aiyar VN, Suh EJ, Schiff R. Abnormalities in S-adenosylhomocysteine hydrolysis, ATP catabolism, and lymphoid differentiation in adenosine deaminase deficiency. *Ann N Y Acad Sci.* 451:78-86, 1985. PMID: 3865575
- Kurtzberg J**, Bigner SH, Hershfield MS. Establishment of the DU.528 human lymphohematopoietic stem cell line. *J Exp Med.* 162(5):1561-1578, 1985. PMID: 4056659
- Hershfield MS, **Kurtzberg J**, Chaffee S, Greenberg ML. Altered regulation of S-adenosylmethionine dependent methylation in adenosine deaminase deficiency. *Prog Clin Biol Res.* 198:305-312, 1985. PMID: 4070311
- Bigner SH, Friedman HS, Kinney TR, **Kurtzberg J**, Chaffee S, Becton D, Falletta JM. 9p- in a girl with acute lymphocytic leukemia and sickle cell disease. *Cancer Genet Cytogenet.* 21(3):267-269, 1986. PMID: 3456265

12. Becton DL, Friedman HS, **Kurtzberg J**, Chaffee S, Falletta JM, Kinney TR. Severe mycoplasma pneumonia in three sisters with sickle cell disease. *Pediatr Hematol Oncol.* 3(3):259-265, 1986. PMID: 315323
13. Malik RK, Friedman HS, Djang WT, Falletta JM, Buckley E, **Kurtzberg J**, Kinney TR, Stine K, Chaffee S, Hayes J, Halperin EC, Oakes WJ. Treatment of trilateral retinoblastoma with vincristine and cyclophosphamide. *Am J Ophthalmol.* 102(5):650-656, 1986. PMID: 3777087
14. Davey MP, Bongiovanni KF, Kaulfersch W, Quertermous T, Seidman JG, Hershfield MS, **Kurtzberg J**, Haynes BF, Davis MM, Waldmann TA. Immunoglobulin and T-cell receptor gene rearrangement and expression in human lymphoid leukemia cells at different stages of maturation. *Proc Natl Acad Sci U S A.* 83(22):8759-8763, 1986. PMCID: 387011
15. Hershfield MS, Buckley RH, Greenberg ML, Melton AL, Schiff R, Hatem C, **Kurtzberg J**, Markert ML, Kobayashi RH, Kobayashi AL, Abuchowski A. Treatment of adenosine deaminase deficiency with polyethylene glycol-modified adenosine deaminase (PEG-ADA). *N Engl J Med.* 316(10):589-596, 1987. PMID: 3807953
16. Becton DL, **Kurtzberg J**, Kinney TR, Friedman HS, Chaffee S, Falletta JM. Treatment of lymphohistiocytic erythrophagocytosis with VP-16 and aziridinylbenzoquinone. *Med Pediatr Oncol.* 15(2):58-61, 1987. PMID: 3108638
17. Schiff SE, **Kurtzberg J**, Buckley RH. Studies of human bone marrow treated with soybean lectin and sheep erythrocytes: stepwise analysis of cell morphology, phenotype and function. *Clin Exp Immunol.* 68(3):685-693, 1987. PMCID: 1542765
18. Haleem A, **Kurtzberg J**, Olsen GA, Rhinehardt-Clark A, Leslie DS, Ray L, Smith CA, Peters WP, Haynes BF, Bast Jr. RC. Combined chemoseparation and immunoseparation of clonogenic T lymphoma cells from human bone marrow using 2'-deoxycoformycin, deoxyadenosine, 3A1 monoclonal antibody, and complement. *Cancer Res.* 47(17):4608-4612, 1987. PMID: 3113721
19. **Kurtzberg J**, Friedman HS, Kinney TR, Chaffee S, Falletta JM. Treatment of platelet alloimmunization with intravenous immunoglobulin - two case reports and review of the literature. *Am J Med.* 83(4A):30-33, 1987. PMID: 3118706
20. **Kurtzberg J**, Friedman HS, Chaffee S, Falletta JM, Kinney TR, Kurlander R, Matthews TJ, Schwartz RS. Efficacy of intravenous gamma globulin in autoimmune-mediated pediatric blood dyscrasias. *Am J Med.* 83(4A):4-9, 1987. PMID: 3118707
21. **Kurtzberg J**, Friedman HS, Kinney TR, Chaffee S, Stine K, Falletta JM, Weinhold KJ. Management of human immunodeficiency virus-associated thrombocytopenia with intravenous gammaglobulin. *Am J Pediatr Hematol Oncol.* 9(4):299-301, 1987. PMID: 2449828
22. Bast Jr. RC, Montgomery RB, Haleem A, **Kurtzberg J**, Rhinehardt-Clark A, Leslie D, Boyer C, Smith C, Olsen G, Frankel A, Ring D, Ramakrishnan S, Houston L, Nadler L, Ritz J, Lebiec T. Bone marrow purging with antibody and complement: an American review. *Bone Marrow Transplant.* 2:58-65, 1987.
23. Schwartz CL, Minniti CP, Harwood P, Na S, Banquerio ML, Lewis C, Strauss LC, **Kurtzberg J**, Smith SD, Civin CI. Elimination of clonogenic malignant human T cells using monoclonal antibodies in combination with 2'-deoxycoformycin. *J Clin Oncol.* 5(12):1900-1911, 1987. PMID: 3500279
24. Becton DL, Friedman HS, Armstrong BE, **Kurtzberg J**, Chaffee S, Falletta JM, Kinney TR. Bacterial endocarditis in a child with a Broviac catheter. *Pediatr Hematol Oncol.* 4:131-136, 1987.

25. Ware R, Friedman HS, Filston HC, Chaffee S, **Kurtzberg J**, Kinney TR, Falletta JM. Childhood hepatic mesenchymoma: Successful treatment with surgery and multiple-agent chemotherapy. *Med Pediatr Oncol.* 16(1):62-65, 1988. PMID: 3340065
26. Ware R, **Kurtzberg J**, Brazy J, Falletta JM. Congenital Pelger-Huet Anomaly in Triplets. *Am J Hematol.* 27(3):226-227, 1988. PMID: 3348208
27. Friedman HS, Burger PC, Bigner SH, Trojanowski JQ, Brodeur GM, He X, Wikstrand CJ, **Kurtzberg J**, Berens ME, Halperin EC, Bigner DD. Phenotypic and genotypic analysis of a human medulloblastoma cell line and transplantable xenograft (D341 MED) demonstrating amplification of c-myc. *Am J Path.* 130(3):472-484, 1988. PMID: 3279793
28. Brandt SJ, Peters WP, Atwater SK, **Kurtzberg J**, Borowitz MJ, Jones RB, Shpall EJ, Bast Jr. RC, Gilbert CJ, Oette DH. Effect of recombinant human granulocyte-macrophage colony-stimulating factor on hematopoietic reconstitution after high-dose chemotherapy and autologous bone marrow transplantation. *N Engl J Med.* 318(14):869-876, 1988. PMID: 3281007
29. Denning SM, **Kurtzberg J**, Le PT, Tuck DT, Singer KH, Haynes BF. Human thymic epithelial cells directly induce activation of autologous immature thymocytes. *Proc Natl Acad Sci U S A.* 85(9):3125-3129, 1988. PMCID: 280156
30. Ware R, **Kurtzberg J**, Friedman HS, Falletta JM, Kinney TR. Chronic immune-mediated thrombocytopenia after varicella infection. *J Pediatr.* 112(5):742-744, 1988. PMID: 3361384
31. Singer KH, Le PT, Denning SM, Vollger LW, **Kurtzberg J**, Lobach DF, Tuck DT, Scearce RM, Haynes BF. *In vitro* studies of thymic epithelium. *Thymus Update.* 1:155-169, 1988.
32. Ware R, **Kurtzberg J**, Filston HC, Rourk MH. Yersinia enterocolitica: a clinical presentation mimicking neuroblastoma. *Am J Pediatr Hematol Oncol.* 10:139-142, 1988.
33. Buckheit Jr. RW, **Kurtzberg J**, Bolognesi DP, Weinhold KJ. The coenrichment of stem cells, prothymocytes, and stromal elements with ecotropic retrovirus-producing cells from the bone marrow of leukemia-prone AKR mice. *Virology.* 162(2):354-361, 1988. PMID: 2829423
34. Le PT, **Kurtzberg J**, Brandt SJ, Niedel JE, Haynes BF, Singer KH. Human thymic epithelial cells produce granulocyte and macrophage colony-stimulating factors. *J Immunol.* 141(4):1211-1217, 1988. PMID: 2456345
35. Friedman HS, Skapek SX, Colvin OM, Elion GB, Blum MR, Savina PM, Hilton J, Schold Jr. SC, **Kurtzberg J**, Bigner DD. Melphalan transport, glutathione levels, and glutathione-S-transferase activity in human medulloblastoma. *Cancer Res.* 48(19):5397-5402, 1988. PMID: 3416297
36. Haynes BF, Martin ME, Kay HH, **Kurtzberg J**. Early events in human T-cell ontogeny. Phenotypic characterization and immunohistologic localization of T-cell precursors in early human fetal tissues. *J Exp Med.* 168(3):1061-1080, 1988. PMID: 2459287
37. **Kurtzberg J**, Waldmann TA, Davey MP, Bigner SH, Moore JO, Hershfield MS, Haynes BF. CD7+, CD4-CD8- acute leukemia: A syndrome of malignant pluripotent lymphohematopoietic cells. *Blood.* 73(2):381-390, 1989. PMID: 2783859
38. Haynes BF, Denning SM, Singer KH, **Kurtzberg J**. Ontogeny of T-cell precursors: a model for the initial stages of human T-cell development. *Immunol Today.* 10(3):87-91, 1989. PMID: 2472811
39. Friedman HS, Schold Jr. SC, Djang WT, **Kurtzberg J**, Longee DC, Halperin EC, Falletta JM, Coleman RE, Oakes WJ. Criteria for termination of phase II chemotherapy for patients with progressive or recurrent brain tumors. *Neurology.* 39(1):62-66, 1989. PMID: 2783351

40. Begley CG, Aplan PD, Davey MP, Nakahara K, Tchorz K, **Kurtzberg J**, Hershfield MS, Haynes BF, Cohen DI, Waldmann TA, Kirsch IR. Chromosomal translocation in a human leukemic stem-cell line disrupts the T-cell antigen receptor B-chain diversity region and results in a previously unreported fusion transcript. *Proc Natl Acad Sci U S A.* 86(6):2031-2035, 1989. PMID: 286840
41. Denning SM, **Kurtzberg J**, Leslie DS, Haynes BF. Human postnatal CD4-CD8-CD3- thymic T cell precursors differentiate in vitro into T cell receptor B-bearing cells. *J Immunol.* 142(9):2988-2997, 1989. PMID: 2565351
42. Friedman HS, **Kurtzberg J**, Schold SC, Oakes WJ. Cerebrospinal fluid protein elevation secondary to a subdural fluid collection in a child receiving multiple lumbar punctures. *J Pediatr.* 115(3):439-441, 1989. PMID: 2769503
43. Stine KC, Friedman HS, **Kurtzberg J**, Filston HC, Baker ME, Lowe J, Falletta JM. Pulmonary septic emboli mimicking metastatic rhabdomyosarcoma. *J Pediatr Surg.* 24:491-493, 1989.
44. Finger LR, Kagan J, Christopher G, **Kurtzberg J**, Hershfield MS, Nowell PC, Croce. Involvement of the TCL 5 gene on human chromosome 1 in T-cell leukemia and melanoma. *Proc Natl Acad Sci U S A.* 86(13):5039-5043, 1989. PMID: 297552
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46. Gluckman E, Broxmeyer HE, Auerbach AD, Friedman HS, Douglas GW, Devergie A, Esperou H, Thierry D, Socie G, Lehn P, Cooper S, English D, **Kurtzberg J**, Bard J, Boyse EA. Hematopoietic reconstitution in a patient with Fanconi's anemia by means of umbilical cord blood from an HLA-identical sibling. *N Engl J Med.* 321:1174-1178, 1989.
47. Moncino MD, Friedman HS, **Kurtzberg J**, Pizzo SV. Papillary adrenocarcinoma of the renal pelvis in a child: case report and brief review of the literature. *Med Pediatr Oncol.* 18:81-86, 1990. PMID: 2403632
48. Ware R, Friedman HS, Kinney TR, **Kurtzberg J**, Chaffee S, Falletta JM. Familial erythrophagocytic lymphohistiocytosis: late relapse despite continuous high-dose VP-16 chemotherapy. *Med Pediatr Oncol.* 8:27-29, 1990. PMID: 2294389
49. Broxmeyer HE, Gluckman E, Auerbach A, Douglas GW, Friedman H, Cooper S, Hangoc G, **Kurtzberg J**, Bard J, Boyse EA. Human umbilical cord blood: a clinically useful source of transplantable hematopoietic stem/progenitor cells. *Intl J Cell Cloning.* 8:76-91, 1990. PMID: 1969886
50. Montgomery RB, **Kurtzberg J**, Rhinehardt-Clark A., Haleem A, Ramakrishnan S, Olsen GA, Peters WP, Smith CA, Haynes BF, Houston LL, Bast Jr RC. Elimination of malignant clonogenic T cells from human bone marrow using chemoimmunoseparation with 2'-deoxycoformycin, deoxyadenosine and an immunotoxin. *Bone Marrow Transplant.* 5:395-402, 1990. PMID: 2369680
51. Schnittman SM, Denning SM, Greenhouse JJ, Justement JS, Baseler M, **Kurtzberg J**, Haynes BF, and Fauci AS. Evidence for susceptibility of intrathymic T cell precursors and their progeny carrying T-cell antigen receptor phenotypes TCR $\alpha\beta$ + and TCR $\gamma\delta$ + to human immunodeficiency virus infection. A mechanism for CD4+ (T4) lymphocyte depletion. *Proc Natl Acad Sci U S A.* 87(19):7727-7731, 1990. PMID: 54821

52. Arredondo-Vega FX, **Kurtzberg J**, Chaffee S, Sanisteban-Stone I, Reisner E, Povey MS, and Hershfield MS. Paradoxical expression of adenosine deaminase in T cells cultured from a patient with adenosine deaminase deficiency and combined immunodeficiency. *J Clin Invest.* 86(2):444-452, 1990. PMID: 1974554
53. **Kurtzberg J**, Carter SG. Differential toxicity of Carbovir and AZT to human bone marrow hematopoietic progenitor cells in vitro. *Exp Hematol.* 18(10):1094-1096, 1990. PMID: 2209763
54. Moncino MD, **Kurtzberg J**. Accidental Heparinization in the Newborn: a case report and brief review of the literature. *J Perinatol.* 10(4):399-402, 1990. PMID: 2277286
55. Peters WP, **Kurtzberg J**, Atwater S, Borowitz M, Rao M, Currie M, Gilbert C, Shpall EJ, Jones RP, Ross M. The use of recombinant human granulocyte-macrophage colony-stimulating factor in autologous bone marrow transplantation. *Prog Clin Biol Res.* 338:121-128, 1990. PMID: 2189135
56. Schanberg LE, Fleenor DE, **Kurtzberg J**, Haynes BF, and Kaufman RE. Isolation and characterization of the genomic human CD7 gene: Structural similarity with the murine *Thy-1* gene. *Proc Natl Acad Sci U S A.* 88(2):603-607, 1991. PMCID: 50860
57. **Kurtzberg J**, Graham ML. Non-Hodgkin's lymphoma: Biologic classification and implication for therapy. *Pediatr Clin North Am.* 38(2):443-456, 1991. PMID: 2006086
58. Broxmeyer HE, **Kurtzberg J**, Gluckman E, Auerbach AD, Douglas G, Cooper S, Falkenburg JHF, Bard J, Boyce EA. Umbilical cord blood hematopoietic stem and repopulating cells in human clinical transplantation. *Blood Cell.* 17(2):313-329, 1991. PMID: 1680502
59. Bruggers C, **Kurtzberg J**, Friedman HS. Vincristine therapy for severe platelet alloimmunization. *Am J Pediatr Hematol Oncol.* 13(3):300-304, 1991. PMID: 1793156
60. Hebert ME, Greenberg M, Chaffee S, Gravatt L, Hershfield MS, Elion GB, and **Kurtzberg J**. Pharmacologic purging of malignant human T cells from human bone marrow using 9-B-D-arabinofuranosylguanine. *Transplantation.* 52(4):634-640, 1991. PMID: 1926342
61. Kay HH, Hage ML, **Kurtzberg J**, Dunsmore KP. Alloimmune thrombocytopenia may be associated with systemic disease. *Am J Obstet Gynecol.* 166:110-111, 1992. PMID: 1733178
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63. Dunsmore KP, Friedman HS, **Kurtzberg J**. The uses of intravenous immunoglobulin in pediatrics, an update. *Crit Rev Hematol.* 12(2):67-90, 1992. PMID: 1590942
64. Fishbein JD, Bruggers CS, Friedman N, Graham ML, **Kurtzberg J**. Clinical Conference: A seven-month-old infant with fever and neutrophilic leukocytosis. *J Pediatr.* 120(5):819-824, 1992. PMID: 1578323
65. Marks LB, Friedman HS, **Kurtzberg J**, Oakes WJ, Hockenberger BM. Reversal of radiation-induced neutropenia by granulocyte colony-stimulating factor. *Med Pediatr Oncol.* 20(3):240-242, 1992. PMID: 1374149
66. Nelson SC, Friedman HS, Oakes WJ, Halperin EC, Tien R, Fuller GN, Hockenberger B, Scroggs MW, Moncino M, **Kurtzberg J**, Buckley EG. Successful therapy for trilateral retinoblastoma. *Am J Ophthalmol.* 114(1):23-29, 1992. PMID: 1621782

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69. Coles RE, Boyle TJ, **Kurtzberg J**, Stewart A, Peters WP, Lyerly HK. Retroviral gene transduction of circulating progenitor cells in patients with metastatic breast cancer. *Surg Oncol.* 2(1):1-6, 1993. PMID: 8252190
70. Peters WP, Rosner G, Ross M, Vredenburgh J, Meisenberg B, Gilbert C, **Kurtzberg J**. Comparative effects of granulocyte-macrophage colony-stimulating factor (GM-CSF) and granulocyte colony-stimulating factor (G-CSF) on priming peripheral blood progenitor cells for use with autologous bone marrow after high-dose chemotherapy. *Blood.* 81(7):1709-1719, 1993. PMID: 7681699
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CHAPTERS

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471. **Kurtzberg J**, Carter S, Mendizabal A, Wall D, Schultz K, Kernan N, Eapen M, Wagner J. Superior survival after single unit umbilical cord blood transplantation (UCBT) in children with hematological malignancies treated on blood and marrow transplant clinical trials network (BMT CTN) 0501 relative to the cord blood transplantation (COBLT). 2013 BMT Tandem Meeting. *Biol Blood Marrow Transplant*. 10:2 (abst 23, page S121) 2013.
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477. Grimley M, Prasad V, **Kurtzberg J**, Chemaly R, Brundage T, Wilson C, Marin H. Twice-weekly brinsidofovir (CMX001) shows promising antiviral activity in immunocompromised transplant recipients with asymptomatic adenovirus viremia. *Biol Blood Marrow Transplant.* 20:2 (abst 105, page S93) 2014.
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486. **Kurtzberg J**, Buntz S, Gentry T, Storms R, Wenger DA, Noldner P, Zhou J, Ozamiz A, Rusche B, Balber A. Preclinical characterization of DUOC-01, a candidate cell therapy product derived from human banked umbilical cord blood intended for use in treatment of demyelinating diseases. *Cytotherapy.* 16:4S (abst 32, page S16) 2014.
487. **Kurtzberg J**, Gentry T, Balber A. Recovery of viable CD34 from thawed cord blood: a real conundrum. *Cytotherapy.* 16:4S (abst 188, page S56) 2014.
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- and the probability of breakthrough fungal infections. *54th Annual Interscience Conference of Antimicrobial Agents and Chemotherapy (ICAAC)*. (abst A-706) 2014.
489. Cairo M, **Kurtzberg J**, Yoder M, Cotton M. Cord blood stem cells: Biology, banking and future pediatric clinical applications. *Pediatric Academic Societies 2015 Annual Meeting*. San Diego, CA. 2015.
 490. Vance M, Hirsch M, Bennett W, **Kurtzberg J**, Samulski RJ. Development of AAV-*idua* vector for the treatment of cornea associated vision loss in bone-marrow treated-Hurler patients. [Submitted ASGCT. 2015]
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 492. McFarren A, Smith P, Page K, Allewelt H, Parikh S, Driscoll T, Martin P, **Kurtzberg J**, Prasad V. Outcomes of Second Unrelated Donor Cord Blood Transplants (UCBT) Performed in Children with Graft Failure of Autologous Recovery Following the First UCBT. *Biology of Blood and Marrow Transplantation*, Vol 21. No. 2. Supplement 1 Abstract 16. February 2015.
 493. Stafford L, Driscoll T, Martin P, **Kurtzberg J**. Hyperthyroidism as a complication following myeloablative therapy and stem cell transplantation for childhood diseases. *Biol of Blood and Marrow Transplantation*, Vol 21. No. 2. Supplement 1. Abstract 285. February 2015.
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 495. **Kurtzberg J**, Horwitz M, Sanz GF, Montesinos P, Cohen EG, Peleg I, Snder D, Peled T. Nicord expands haematopoietic stem cells and provides prompt and durable engraftment in patients undergoing cord blood transplantation for haematological malignancies and sickle cell disease: results of early phase clinical trials using fresh and cryopreserved product. *World Cord Blood Congress V & Innovative Cell Therapies*, Session II; Monaco; March 5-8,2015.
 496. Wagner JE, Eapen M, **Kurtzberg J**. Single versus double umbilical cord blood (UCB) transplantation in children. *World Cord Blood Congress V & Innovative Cell Therapies*, Session III; Monaco; March 5-8,2015.
 497. Eapen M, **Kurtzberg J**, Wagner JE. Is survival better when patients are enrolled on a clinical trial? *World Cord Blood Congress V & Innovative Cell Therapies*, Session IX; Monaco; March 5-8,2015.
 498. **Kurtzberg J**. The potential of cord blood to treat genetic and acquired brain diseases. *World Cord Blood Congress V & Innovative Cell Therapies*, Session XII; Monaco; March 5-8,2015.
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501. Storms R, Lew J, Liu C, Gentry T, Ozamiz A, Rusche B, Balber A, Kurtzberg J. Neural engraftment of a cord blood-derived cell product following intrathecal transplantation. *Cytotherapy*, Vol 17 No 6S (abstr 191 p. S56) 2015.
502. Patel S, Saha A, Buntz S, Bentz M, Scotland P, Storms R, Ramamurthy P, Kurtzberg J, Balber A. Human cord blood derived CD14 cell therapy provides neuroprotection in acquired brain injury. *Cytotherapy*, Vol 17 No 6S (abstr 195 p. S57) 2015.

INVITED LECTURES

1. **J Kurtzberg.** "Gamimune N in childhood ITP." Cutter Biological National Sales Meeting, Orlando, FL. January 26, 1986.
2. **J Kurtzberg.** "The Biology of the CD-7+ Normal and Malignant Stem Cell." St. Jude Children's Research Hospital, Memphis, TN. November 25, 1986.
3. **J Kurtzberg.** "The Therapy of Autoimmune Disorders of Childhood with IGIV, pH 4.25." ASH Symposium "Innovative Uses of Immunoglobulin in Clinical Hematology", San Francisco, CA. December 5, 1986.
4. **J Kurtzberg.** "Aplastic Anemia and IGIV Therapy." ASH Symposium "Innovative Uses of Immunoglobulin in Clinical Hematology," San Francisco, CA. December 5, 1986.
5. **J Kurtzberg.** "Use of Intravenous Immunoglobulins in Treatment of ITP and Other Autoimmune Diseases." Pediatric Grand Rounds, Austin Pediatric Education Program, Brackenridge Hospital, Austin, TX. January 26, 1987.
6. **J Kurtzberg.** "CD7(+) Leukemia: A Syndrome of Malignant Lymphohematopoietic Stem Cells." Pediatric Grand Rounds, Sloan Kettering Memorial Cancer Institute, New York, NY. March 31, 1988.
7. **J Kurtzberg.** "Pediatric Bone Marrow Transplantation." Pediatric Grand Rounds, Rex Hospital, Raleigh, NC. September 14, 1988.
8. **J Kurtzberg.** "Pediatric Bone Marrow Transplantation." Pediatric Grand Rounds, Duke University Medical Center, Durham, NC. January 20, 1989.
9. **J Kurtzberg.** "Bone Marrow Progenitor Growth in Patients Undergoing Autologous Bone Marrow Transplantation." Bone Marrow Transplantation Program Grand Rounds, Duke University Medical Center, Durham, NC. August 25, 1989.
10. **J Kurtzberg.** Faculty and chairperson. "Molecular and Cellular Aspects of Human Bone Marrow Transplantation." Duke University Medical Center, Durham, NC. October 15-16, 1989.
11. **J Kurtzberg.** "Bone Marrow Progenitor Cell Growth in Patients Treated with Colony Stimulating Factors." American Association of Blood Banks Annual Meeting, New Orleans, LA. October 23, 1989.
12. **J Kurtzberg.** "Hematopoietic Growth Factors." Pediatric Grand Rounds, Duke University Medical Center, Durham, NC. December 8, 1989.

13. **J Kurtzberg.** "The CD7+ Lymphohematopoietic Stem Cell." Hematology/Oncology Conference, Lineberger Cancer Research Center, University of North Carolina at Chapel Hill Research Center, Chapel Hill, NC. July 19, 1990.
14. **J Kurtzberg.** "Early Events of Human Stem Cell and T Cell Precursor Maturation." International Society for Experimental Hematology, Seattle, WA. August 27, 1990.
15. **J Kurtzberg.** "Hematopoietic Stem Cells for Transplantation." The Hematology Subcommittee of the National Kidney, Urologic, and Hematologic Diseases Interagency Coordinating Committee Forum, NIH, Bethesda, MD. March 22, 1991.
16. **J Kurtzberg.** "Growth and Phenotypic Characteristics of Peripheral Blood Progenitors in Autologous Bone Marrow Transplantation." Laboratory and Clinical Development of Hematopoietic Colony-Stimulating Factors Symposium. Duke University Medical Center, Durham, NC. May 29, 1991.
17. **J Kurtzberg.** "Hematopoietic Toxicity of Compound 97." Sphinx, Incorporated, Durham, NC. March 27, 1991.
18. **J Kurtzberg.** "Life of a Pediatric Hematologist/Oncologist." Howard Hughes Preclinical Program in the Biologic Sciences, Duke University. July 29, 1991.
19. **J Kurtzberg.** "Biology of Human Hematopoietic Growth Factors." Georgia Chapter, American Academy of Pediatrics, Sea Island, GA. June 21-22, 1991.
20. **J Kurtzberg.** "Clinical Applications of Human Hematopoietic Growth Factors." Georgia Chapter, American Academy of Pediatrics, Sea Island, GA. June 21-22, 1991.
21. **J Kurtzberg.** "Evaluation of Cord Blood for Maternal Contamination" and Hematopoietic Progenitor Cell Content of Umbilical Cord Blood (CD7 +/- subsets)." "Cord Blood Stem Cells: Current Status and Future Prospects", a mini-symposium sponsored by Biocyte Corporation. American Society of Hematology meetings, Denver Colorado. December 8, 1991.
22. **J Kurtzberg.** "Bone Marrow Transplantation." Dermatology Core Lecture Series, Duke University Medical Center, Durham, NC. January 28, 1992.
23. **J Kurtzberg.** "Hematopoietic Stem Cell Transplantation: Storage and Use of Mobilized Peripheral Blood and Umbilical Cord Blood." Definition of the Hematopoietic Stem Cell in Neonatal and Adult Life - a meeting sponsored by Biocyte Corporation. Boston, MA. June 15, 1992.
24. **J Kurtzberg.** "Guanine arabinoside as a bone marrow purging agent." Third International Conference on Drug Research in Immunologic and Infectious Diseases. Immunomodulating Drugs: Synthesis, Preclinical and Clinical Evaluation, Washington DC. June 29, 1992.
25. **J Kurtzberg.** "Advances in Pediatric Bone Marrow Transplantation." Western North Carolina Mountain Pediatric Society. Asheville, NC. December 3, 1992.
26. **J Kurtzberg.** "Biology of the CD7+ lymphohematopoietic stem cell." Rheumatology and Immunology Basic Science Conference, Duke University Medical Center, Durham, NC. January 1993.
27. **J Kurtzberg.** "Unique Properties of Hematopoietic Stem Cells Isolated from Umbilical Cord Blood." Immunology Grand Rounds. University of Arizona, Tucson, AZ. January 29, 1993.
28. **J Kurtzberg.** "Asparaginase Therapy in ALL." Leukemia...the next questions. International Medical Experience Exchange USA, Inc. Sponsored by the MD Anderson Cancer Center, Houston, Texas. March 26, 1993.

29. **J Kurtzberg.** "Bone Marrow Failure Syndromes." Pediatric Grand Rounds, Greenville Hospital System, Greenville, SC. April 1, 1993.
30. **J Kurtzberg.** "Fundamental Concepts of Pediatric BMT." Pediatric Bone Marrow Transplant Core Concepts Workshop. DUMC, Durham, NC. April 27, 1993.
31. **J Kurtzberg.** "Pharmacologic Methods of Purging T-Cells From Human Bone Marrow." Bone Marrow Transplant Grand Rounds, Richland Memorial Hospital, Columbia, SC. April 30, 1993.
32. **J Kurtzberg.** "Bone Marrow Transplantation in the Treatment of Human Disease." High School Science Teachers Summer Fellowship Program, DUMC, Durham, NC. July 2, 1993.
33. **J Kurtzberg.** "Ex Vivo Expansion of Hematopoietic Progenitor Cells Derived from Placental and Peripheral Blood." Fourth Annual Malnati Symposium, Northwestern University Medical School, Chicago, IL. September 30, 1993.
34. **J Kurtzberg.** "L-Asparaginase Therapy in the 90's, New Insights into Pharmacology Should Guide Future Therapeutic Applications." Oral presentation American Society of Pediatric Hematology/Oncology, Chicago, IL. October 1, 1993.
35. **J Kurtzberg.** "Peg-L-Asparaginase". XXVth Meeting of the International Society of Pediatric Oncology. Pharmacokinetics-pharmacodynamics and clinical implications. San Francisco, CA. October 6, 1993.
36. **J Kurtzberg.** "New Treatment Options in Haematologic Malignancies with PEG-L-Asparaginase." XXVth Meeting of the International Society of Pediatric Oncology. Program Satellite Symposium. San Francisco, CA. October 6, 1993.
37. **J Kurtzberg.** "The Use of L-Asparaginase in Pediatric Malignancies." Medical Oncology Grand Rounds, Cleveland Clinic, Cleveland OH. October 29, 1993.
38. **J Kurtzberg.** "Haploidentical Cord Blood Transplantation." International Conference/Workshop on Cord Blood Transplantation and Biology/Immunology. Indianapolis, IN. November 9, 1993.
39. **J Kurtzberg.** "Immunoreactivity of Umbilical Cord Blood in Haploidentical Transplantation: Considerations of Mother and Child." International Conference/Workshop on Cord Blood Transplantation and Biology/Immunology. Indianapolis, IN. November 11, 1993.
40. **J Kurtzberg.** "A New Look at PEG-L-Asparaginase and other Asparaginases in Hematological Malignancies." Innovative Cancer Chemotherapy for Tomorrow, Chemotherapy Foundation Symposium XI. Mount Sinai School of Medicine. New York, NY. November 12, 1993.
41. **J Kurtzberg.** "Cord Blood Stem Cells Clinical Experience: First Unrelated Allogeneic Transplants." Cord Blood Stem Cells: Research in Progress Session; American Society of Hematology 35th Annual Meeting. St. Louis, MO. December 6, 1993.
42. **J Kurtzberg.** "Use of PEG-L-Asparaginase in Pediatric Patients." Rhone Poulenc Rorer, Palm Springs, CA. January 29, 1994.
43. **J Kurtzberg.** "Umbilical Cord Blood, an Alternative Source of Hematopoietic Cell Transplantation." Wayne Rundles Award, Duke Comprehensive Cancer Center, Durham, NC. March 12, 1994.
44. **J Kurtzberg.** "Cord Cell Transplant." National Medical Laboratory Week, Duke University Medical Center, Durham, NC. April 14, 1994.

45. **J Kurtzberg.** "Umbilical Cord Blood, an Alternative Source of Hematopoietic Cell Transplantation." Transfusion Medicine Grand Rounds, Duke University Medical Center, Durham, NC. May 19, 1994.
46. **J Kurtzberg.** "Umbilical Cord Blood, an Alternative Source of Hematopoietic Cell Transplantation." General Surgery Grand Rounds. Duke University Medical Center, Durham, NC. June 18, 1994.
47. **J Kurtzberg.** "Clinical Implications of Hypersensitivity to Asparaginase." University of Michigan, Department of Pediatrics, Division of Hematology/Oncology, Ann Arbor, MI. September 14, 1994.
48. **J Kurtzberg.** "Latest Advances in Childhood Leukemia." Grand Rounds, All Children's Hospital, St. Petersburg, FL. September 16, 1994.
49. **J Kurtzberg.** "Umbilical Cord Blood Transplantation." Immune Deficiency Foundation - Gene Therapy and Immunoreconstitution of Immunodeficiency Diseases Conference, Houston, TX. September 19, 1994.
50. **J Kurtzberg.** "Umbilical Cord Blood Transplantation." AABB symposium - Transfusion Medicine of the Future, Phoenix, AZ. September 23, 1994.
51. **J Kurtzberg.** "Pharmacokinetics of L-Asparaginase." Oncology Grand Rounds: University of Maryland, Baltimore, MD. October 24, 1994.
52. **J Kurtzberg.** "Pharmacokinetics and Pharmacodynamics of L-Asparaginase Therapy." Pediatric Oncology Grand Rounds, Dana Farber Cancer Institute, Boston, MA. November 3, 1994.
53. **J Kurtzberg.** "Mobilization of Peripheral Blood Progenitor Cells in Pediatric Patients." Plenary Session, AABB Annual Meeting, San Diego, CA. November 15, 1994.
54. **J Kurtzberg.** "Innovative Cancer Treatment: Cord Blood Cell Transplantation." Fifth Annual Pittsburgh Cancer Conference - Innovations in Cancer Care, Pittsburgh PA. December 8, 1994.
55. **J Kurtzberg.** "Advances in Pediatric Bone Marrow Transplantation." Grand Rounds. Schneider Children's Hospital, Long Island Jewish Medical Center, New Hyde Park, NY, December 16, 1994.
56. **J Kurtzberg.** "Pharmacodynamics of L-Asparaginase Therapy." Seminar, Division of Bacterial Products. Center for Biologics Evaluation and Research - FDA, Bethesda, MD. March 9, 1995.
57. **J Kurtzberg.** "Pharmacodynamics of L-Asparaginase Therapy." Oncology Conference, Upstate Medical Center, Syracuse, NY. March 15, 1995.
58. **J Kurtzberg.** "Pediatric Bone Marrow Transplantation." Pediatric Grand Rounds. Medical City, Dallas, TX. March 21, 1995.
59. **J Kurtzberg.** "Unrelated Umbilical Cord Blood Transplants - A Viable Alternative to MUD Transplantation." ISEH 1995 Satellite Symposium, Düsseldorf, Germany. August 27, 1995.
60. **J Kurtzberg.** "Umbilical Cord Blood Transplants: A Viable Alternative to Matched Unrelated Donor Transplantation." North Carolina Association of Blood Bankers 1995 Annual Meeting, Raleigh, NC. September 21, 1995.
61. **J Kurtzberg.** "Umbilical Cord Blood Transplants: A Viable Alternative to Matched Unrelated Donor Transplantation." Oakland Children's Hospital, Oakland, CA. October 17, 1995.

62. **J Kurtzberg.** "Pharmacodynamics of L-Asparaginase Therapy." Oakland Children's Hospital, Oakland, CA. October 17, 1995.
63. **J Kurtzberg.** "Umbilical Cord Blood Transplants: A Viable Alternative to Matched Unrelated Donor Transplantation." Cord Blood Stem Cells: Banking, Expansion & Transplants: An Alternative to Bone Marrow, Cambridge Healthtech Institute, Miyako Hotel, San Francisco, CA. October 18, 1995
64. **J Kurtzberg.** "Unrelated Umbilical Cord Blood Transplants: A Viable Alternative to MUD Transplantation." Seattle Children's Hospital Grand Rounds, Seattle, WA. November 10, 1995.
65. **J Kurtzberg.** "Umbilical Cord Blood: An Alternative Source of Hematopoietic Stem Cells for Bone Marrow Reconstitution in Unrelated Donor Transplantation." 1995 ASH Program Oral Presentation, American Society of Hematology 1995 Meeting, Seattle, WA. December 4, 1995.
66. **J Kurtzberg.** "U.S. Experience with Unrelated-Donor Cord Blood Transplantation." Presentation to NHLBI's Workshop on Cord Blood Stem Cells: Development of Procedures for Collection and Storage, Bethesda, MD. December 13, 1995.
67. **J Kurtzberg.** "Umbilical Cord Blood Transplantation." Presentation to the Keystone Symposium on Blood Cell and Bone Marrow Transplantation, Keystone, CO. January 19, 1996.
68. **J Kurtzberg.** "Arabinofuranosylguanine: A Novel Agent for the Treatment of T-Cell Malignancies." Grand Rounds presentation at MD Anderson Cancer Center, Houston, TX. January 29, 1996.
69. **J Kurtzberg.** "Umbilical Cord Blood Transplantation." Grand Rounds presentation at the University of North Carolina School of Medicine, Chapel Hill, NC. March 7, 1996.
70. **J Kurtzberg.** "Cord Blood Transplantation." Presentation to the Hem/Onc Journal Club at Georgetown University Medical Center, Washington, DC. March 20, 1996.
71. **J Kurtzberg.** "Umbilical Cord Blood Transplantation." Presentation at the North Carolina Neonatologists meeting, Research Triangle Park, NC. March 22, 1996.
72. **J Kurtzberg.** "Placental/Umbilical Cord Blood: An Alternative Source of Hematopoietic Stem Cells for Bone Marrow Reconstitution in Unrelated Donor Transplantation." 24th Congress of the International Society of Blood Transfusion ISBT '96, Makuhari Messe, Japan. March 31 - April 5, 1996.
73. **J Kurtzberg.** "Umbilical Cord Blood: An Alternative Source of Hematopoietic Stem Cells for Bone Marrow Reconstitution in Unrelated Donor Transplantation." The First Nagoya International Blood and Marrow Transplantation Symposium, Inuyama, Japan. April 7, 1996.
74. **J Kurtzberg.** "Banked Placental Cord Blood, An Alternative Solution of Hematopoietic Stem Cells for Unrelated Donor Transplants." Third International Cord Blood Stem Cells: Banking, Expansion and Transplants, Martha's Vineyard, Massachusetts. May 20-22, 1996.
75. **J Kurtzberg.** "Umbilical Cord Blood Transplantation." Wake Medical Center Pediatric Grand Rounds, Raleigh, North Carolina. July 17, 1996.
76. **J Kurtzberg.** "Umbilical Cord Blood: An Alternative Source of Hematopoietic Stem Cells for Bone Marrow Reconstitution in Unrelated Donor Transplantation." 25th Meeting of the International Society for Experimental Hematology, Sheraton, New York. August 23-27, 1996.

77. **J Kurtzberg.** "Human Umbilical Cord Blood Transplantation." Pediatric Grand Rounds, Lucile Salter Packard Children's Hospital at Stanford, Palo Alto, California. September 20, 1996.
78. **J Kurtzberg.** "Transplantation of Cord Blood Stem Cells." 5th Biennial National Symposium on Bone Marrow and Stem Cell Transplantation, Stanford University Medical Center, Stanford, California. September 20, 1996.
79. **J Kurtzberg.** "Growth Factors and Sources of Stem Cells." Session chairperson for Novel Approaches in Blood and Marrow Transplantation at the 2nd Annual Scientific Meeting of the American Society for Blood and Marrow Transplantation, San Diego, California. October 2-6, 1996.
80. **J Kurtzberg.** "Unrelated Cord Blood Transplantation: An Alternative Source of Stem Cells for Bone Marrow Transplantation." ASPH/O 9th Annual Meeting, Regal Knickerbocker Hotel, Chicago, Illinois. October 10-12, 1996.
81. **J Kurtzberg.** "Unrelated Umbilical Cord Blood Transplantation." American Association of Blood Banks 49th Annual Meeting, Orlando, Florida. October 12-16, 1996.
82. **J Kurtzberg.** "Umbilical Cord Blood Transplantation." Pediatric Grand Rounds, Memorial Sloan-Kettering Cancer Center, New York, New York. October 31, 1996.
83. **J Kurtzberg.** "Alternative Donor Sources for Bone Marrow Transplant." Florida Association of Pediatric Tumor Programs 20th Annual Seminar, Tampa, Florida. November 22, 1996.
84. **J Kurtzberg.** "Science and Practice in the United States." In the session Ethical Issues in Umbilical Cord Blood Procurement, Banking and Use. International Association of Bioethics Annual Meeting, San Francisco, California. November 23, 1996.
85. **J Kurtzberg.** "Developments in Cord Blood Transplantation." NMDP Meeting at ASH. Orlando, Florida. December 6, 1996.
86. **J Kurtzberg.** "Allogeneic Marrow Transplants: Approaches for the Patient Lacking a Donor." American Society of Hematology (ASH) Educational Session. Orlando, Florida. December 7-8, 1996.
87. **J Kurtzberg.** "2-amino-9-B-D-arabinosyl-6-methoxy-9H-guanine (GW 506U; Compound 506U) is Highly Active in Patients with T-cell Malignancies: Results of a Phase I Trial in Pediatric and Adult Patients with Refractory Hematological Malignancies." The American Society of Hematology (ASH) Annual Meeting, Session on Acute Leukemia Therapy II, Orlando, Florida. December 10, 1996.
88. **J Kurtzberg.** "Cord Blood Transplants." Pediatric Grand Rounds, Duke University Medical Center, Durham, North Carolina. December 10, 1996.
89. **J Kurtzberg.** "Unrelated Placental Blood-An Alternative Source of Hematopoietic Stem Cells for Bone Marrow Transplantation." Marrow Transplantation in Children: Current Results and Controversies - Meeting #3. Ft. Lauderdale, Florida. January 23-25, 1997.
90. **J Kurtzberg.** "Placental/Umbilical Cord Blood: An Alternative Source of Hematopoietic Stem Cells for Bone Marrow Reconstitution in Unrelated Donor Transplantation." 1997 North Carolina Cancer Research Symposium, Duke University Medical Center, Durham, North Carolina. February 7, 1997.
91. **J Kurtzberg.** "Unrelated Placental Blood - An Alternative Source of Hematopoietic Stem Cells for Bone Marrow Transplantation." 1997 IBMTR/ABMTR Participants' Meeting. Scottsdale, Arizona. February 22, 1997.

92. **J Kurtzberg.** "Use of Cord Blood Cells for Transplants." Leukemia Society of America - New Frontiers in Marrow Transplantation. Washington, D.C. March 6, 1997.
93. **J Kurtzberg.** "Clinical Experience with Cord Blood and the International Cord Blood Registry." 1997 International Cord Blood Transplantation Workshop/Conference. Indianapolis, Indiana. March 8-10, 1997.
94. **J Kurtzberg.** "Cord Blood Transplants." American Society for Histocompatibility and Immunogenetics. Hilton Head, South Carolina. March 15, 1997.
95. **J Kurtzberg.** "Cord Blood Transplantation." Pediatric Grand Rounds at the University of Virginia at Charlottesville. Charlottesville, Virginia. March 28, 1997.
96. **J Kurtzberg.** "Unrelated Umbilical Cord Blood: An Alternative Source of Stem Cells for Bone Marrow Transplantation." 5th International Symposium on Recent Advances in Hematopoietic Stem Cell Transplantation - Clinical Progress, New Technology and Gene Therapy. San Diego, California. April 11, 1997.
97. **J Kurtzberg.** "Cancer in Our Society." Sarah Lawrence College Alumnae Reunion Weekend. Bronxville, New York. May 30, 1997.
98. **J Kurtzberg.** March of Dimes Media Luncheon: Cord Blood Banking. New York, New York. June 23, 1997.
99. **J Kurtzberg.** "Unrelated Umbilical Cord Blood: An Alternative Source of Stem Cells for Bone Marrow Transplantation." Workshop on Ethical Issues in Umbilical Cord Blood Banking. Bethesda, Maryland. September 22-23, 1997.
100. **J Kurtzberg.** "Cord Blood Transplantation." International Society of Blood Transfusion (ISBT) Joint Congress (European Section). Frankfurt, Germany. October 1-4, 1997.
101. **J Kurtzberg.** "Unrelated Umbilical Cord Blood: An Alternative Source of Stem Cells for Bone Marrow Transplantation." Pediatric Grand Rounds, Greenville Memorial Hospital, Greenville, South Carolina. October 9, 1997.
102. **J Kurtzberg.** "Unrelated Umbilical Cord Blood: An Alternative Source of Stem Cells for Bone Marrow Transplantation." Special Seminar, Memorial Sloan-Kettering Cancer Center, Department of Pediatrics, New York, New York. October 13, 1997.
103. **J Kurtzberg.** "Cord Blood" in Session VI: The Place of Allogeneic PBPC and Cord Blood Transplantation: Round Table. 2nd International Symposium on Allogeneic Peripheral Blood and Cord Blood Transplantation. Geneva, Switzerland. October 30 - November 1, 1997.
104. **J Kurtzberg.** "Placental/Umbilical Cord Blood: An Alternative Source of Hematopoietic Stem Cells for Bone Marrow Reconstitution in Unrelated Donor Transplantation" in Session V: Clinical Experience with Mismatched/Unrelated Donors. 2nd International Symposium on Allogeneic Peripheral Blood and Cord Blood Transplantation. Geneva, Switzerland. October 30 - November 1, 1997.
105. **J Kurtzberg.** "Transplantation of Placental Blood: An Alternative Source for Hematopoietic Cell Transplantation." Leukemia Society of America – Leukemia Professional Speaker's Presentation. Charleston, South Carolina. November 7, 1997.
106. **J Kurtzberg.** "Arabinosyl-6 (506U78): A Novel Active Nucleoside for Treatment of T Cell Malignancies." Chemotherapy Foundation Symposium XV. New York City, New York. November 12-14, 1997.

107. **J Kurtzberg.** “Unrelated Cord Blood, An Alternative of Stem Cell Transplantation.” University of California-San Diego, School of Medicine Super Friday Symposium. San Diego, California. December 5, 1997.
108. **J Kurtzberg.** Joseph R. Vobe Transfusion Medicine Visiting Professor. Yale University School of Medicine. New Haven, Connecticut. March 17, 1998.
109. **J Kurtzberg.** “Cord Blood Transplantation.” Plenary Session I: Alternative Methods of Transplantation. American Society for Blood and Marrow Transplantation Annual Meeting. Miami Beach, Florida. March 25-28, 1998.
110. **J Kurtzberg.** “Umbilical Cord Blood Transplantation - Current and Future Uses.” The Art of Office Pediatrics: Pediatric Hematology/Oncology Program. Greenville Memorial Hospital, Greenville, South Carolina. April 18, 1998.
111. **J Kurtzberg.** “Cord Blood Transplantation.” 27th Annual Dr. William Dameshek Symposium on Leukemia and Related Cancers. Christi Regional Medical Center St. Francis Campus, Wichita, Kansas. May 15, 1998.
112. **J Kurtzberg.** “Unrelated Cord Blood, An Alternative of Stem Cell Transplantation.” Medical Grand Rounds, Roswell Park Cancer Institute, Buffalo, New York. May 22, 1998.
113. **J Kurtzberg.** Hematopoiesis/Diseases. Plenary Session: “What Have We Learned About Cord Blood Transplantation in the Last Five Years?” International Society for Hematotherapy and Graft Engineering. Baltimore, Maryland. June 6, 1998.
114. **J Kurtzberg.** “Progenitor Expansion.” Scientific Session 7: Ex Vivo Expansion of Cord Blood Progenitors Using the Aastrom Bioreactor. International Society for Hematotherapy and Graft Engineering. Baltimore, Maryland. June 7, 1998.
115. **J Kurtzberg.** “Cord Blood Transplantation.” Transfusion Medicine Symposium. American Red Cross, Southeast Area and Carolinas Blood Services Region. Durham, North Carolina. June 11, 1998.
116. **J Kurtzberg.** “Stem Cell Transplants *In Utero* For Genetic Diseases: A Treatment and Model for Induction of Immunological Tolerance.” The 17th World Congress of the Transplantation Society. Montreal, Canada. July 13, 1998.
117. **J Kurtzberg.** “Alternative Donor Transplantation for Metabolic Storage Diseases.” The North Carolina Medical Genetics. Durham, North Carolina. August 31, 1998.
118. **J Kurtzberg.** “Cord Blood Banking Experience.” FDA & NIH Stem/Progenitor Workshop. Bethesda, Maryland. September 10, 1998.
119. **J Kurtzberg.** The American Society of Pediatric Hematology/Oncology 11th Annual Meeting. Young Investigators Workshop: “How to Succeed in Academic Pediatric Hematology/Oncology.” Chicago, Illinois. September 11, 1998.
120. **J Kurtzberg.** “Cord Blood Transplantation.” The Leukemia Society of America Annual Leadership Conference & Stohlman Scholar Symposium. Medical Update Session: Scottsdale, Arizona. October 10, 1998.
121. **J Kurtzberg.** “Cord Blood Transplantation for Hematologic Malignancies.” American Society for Histocompatibility and Immunogenetics 24th Annual Meeting. Vancouver, British Columbia. October 14, 1998.
122. **J Kurtzberg.** “Update On Cord Blood Transplantation for the Pediatrician.” American Academy of Pediatrics Annual Meeting. San Francisco, California. October 19, 1998.

123. **J Kurtzberg.** “Update On Unrelated Cord Blood Transplantation.” Oakland Children’s Hospital. Oakland, California. October 19, 1998.
124. **J Kurtzberg.** “Banking of Umbilical Cord Blood for Transplantation Therapy: Why, How, and When?” American Academy of Pediatrics Annual Meeting. San Francisco, California. October 20, 1998.
125. **J Kurtzberg.** “Leukemia Treatment: Transplantation vs. Chemotherapy.” Leukemia Society of America. Perspectives in Oncology. Orange, California. November 12, 1998.
126. **J Kurtzberg.** “Cord Blood Transplantation - Clinical Experience and Preliminary Results Using Ex Vivo Expanded Cells.” Loyola University Chicago, School of Medicine Super Friday Symposium. Miami, Florida. December 4, 1998.
127. **J Kurtzberg.** Workshop on the use of serum free conditions for the genetic modification and fractionation of stem cells: “Ex vivo expansion of umbilical cord blood-derived hematopoietic stem cells.” Annual Meeting of the American Society of Hematology. Miami, Florida. December 5, 1998.
128. **J Kurtzberg.** “Results of a phase I trial of 506U78 (arabinosylguanine).” Second Annual Pharmacology and New Agents in Childhood Acute Lymphoblastic Leukemia Symposium. Glendale, California. January 30, 1999.
129. **J Kurtzberg.** “Unrelated umbilical cord blood transplantation.” Cord Blood Conference at The Institute of Medical Science, The University of Tokyo. March 16, 1999.
130. **J Kurtzberg.** “Fundraising for the American Cancer Society.” Relay for Life. Charlotte, North Carolina, April 16, 1999.
131. **J Kurtzberg.** “Cord Blood Transplantation.” Progress and Challenges in Stem Cell Transplantation at Duke University Medical Center. April 24, 1999.
132. **J Kurtzberg.** “Unrelated Umbilical Cord Blood Transplantation.” Alternative Donors for BMT. 7th International Symposium on Recent Advances in Hematopoietic Stem Cell Transplantation. May 7, 1999.
133. **J Kurtzberg.** “Stem Cell Transplantation.” Hunter’s Hope Medical Symposium for Krabbe/Leukodystrophy Research. May 14, 1999.
134. **J Kurtzberg.** “Unrelated Cord Blood: An Alternative to Stem Cell Transplantation.” Fifth International Meeting of the COGENT Society. June 19, 1999.
135. **J Kurtzberg.** “Unrelated Umbilical Cord Blood Transplantation.” Local foothills chapter of North Carolina Credit Unions. August 2, 1999.
136. **J Kurtzberg.** “Unrelated Placental Blood in Marrow Transplantation.” 41st Annual Meeting of the Japan Society of Clinical Hematology. October 14, 1999.
137. **J Kurtzberg.** “Umbilical Blood Banking: Current Controversies.” Pediatric Grand Rounds at Duke University Medical Center. October 26, 1999.
138. **J Kurtzberg.** “Cord Blood Transplantation”. Durham Technical Community College Clinical Trials Program. November 4, 1999.
139. **J Kurtzberg.** “Meet-the-Experts” Annual meeting of the American Society of Hematology. December 5, 1999.

140. **J Kurtzberg.** “Augmentation of Umbilical Cord Blood (UCB) Transplantation with Ex Vivo Expanded Cells, A Phase I Trial using the Replicell System.” Annual meeting of the American Society of Hematology. December 6, 1999.
141. **J Kurtzberg.** “Unrelated Placental Blood in Marrow Transplantation.” Japan Society for Hematopoietic Cell Transplantation. Hiroshima, Japan December 16-17, 1999.
142. **J Kurtzberg.** “Bone Marrow and Stem Cell Transplantation for Life Threatening Pediatric Diseases.” Grand Rounds at Shands Hospital February 25, 2000.
143. **J Kurtzberg.** “Applications of Unrelated Umbilical Cord Blood Transplantation in Pediatric and Adult Patients.” Conference at Shands Hospital, February 25, 2000.
144. **J Kurtzberg.** “Questions & Controversies in Cord Blood Transplantation.” American Society for Blood and Marrow Transplantation in Anaheim, CA. March 31, 2000.
145. **J Kurtzberg.** “Unrelated Umbilical Cord Blood Transplantation.” Hematology/Oncology Grand Rounds at Mt. Sinai Hospital in New York, April 5, 2000.
146. **J Kurtzberg.** “Results of Cord Blood Transplants in the USA.” International Conference on Haemopoietic Stem Cell Biology and Transplantation. Maison de la Chimie, Paris, France. April 26-29, 2000.
147. **J Kurtzberg.** “Umbilical Cord Blood Transplantation for Correction of Immunodeficiency Syndromes.” Advances in Treatment of Immunodeficiency Syndromes Symposium at Fred Hutchinson Cancer Research Center, Seattle, WA. May 15, 2000.
148. **J Kurtzberg.** “Cord Blood Banking”. Obstetrics and Gynecology Grand Rounds at University of North Carolina School of Medicine, Chapel Hill, NC. May 31, 2000.
149. **J Kurtzberg** and J Wagner. “Cord blood updates: Stem cells, banking and transplantation.” ISHAGE 2000, San Diego, CA. Friday, June 16, 2000.
150. **J Kurtzberg.** “Cord Blood Transplants.” ISHAGE 2000, San Diego, CA. Sunday, June 18, 2000.
151. **J Kurtzberg.** “Update on Transplantation Results in Krabbe’s Disease.” Hunter’s Hope Medical Symposium for Krabbe/Leukodystrophy Research, Buffalo, NY. July 8, 2000.
152. **J Kurtzberg.** “Banking of Umbilical Cord Blood Transplantation Therapy.” South Texas Blood & Tissue Center – Bill Stone Distinguished Speakers Series. San Antonio, TX. September 7, 2000.
153. **J Kurtzberg.** “Cord Blood Banking.”. American Cancer Society 2000 Relay Reunion. Pittsburg, PA September 9, 2000.
154. **J Kurtzberg.** “Cord Blood Transplantation”. American Red Cross and NIH National Symposium Immunohematology and Blood Transfusion. Bethesda, MD September 14, 2000.
155. **J Kurtzberg.** “Immune Reconstitution Mechanisms in HIV.”. Departmental Research Seminar – Endocrinology Dinner, Duke University Medical Center, September 19, 2000.
156. **J Kurtzberg.** “Immune Reconstitution after Transplantation of HLA-mismatched Unrelated Umbilical Cord Blood.” First Annual National Symposium on Patients AIDS or Who Have Undergone Bone Marrow Transplants. October 11, 2000.
157. **J Kurtzberg.** “Cord Blood Banking.” American Cancer Society Eastern Division Volunteer/Staff Conference. Dallas, TX. November 4, 2000.

158. **J Kurtzberg.** “401-T Cord Blood Short Topic Compendium.” American Association of Blood Banks (AABB) 53rd Annual Meeting. Washington, DC. November 7, 2000.
159. **J Kurtzberg.** “Banked Umbilical Cord Blood is an Excellent Source of Donor Hematopoietic Stem Cells for Infants with Malignant and Non-Malignant Conditions Lacking a Related Donor.” The American Society of Hematology Annual Meeting, San Francisco, CA. December 1-5, 2000.
160. **J Kurtzberg.** “Outcomes of Unrelated Umbilical Cord Blood Transplantation in 158 Pediatric Patients Consecutively Transplanted at a Single Institution Using Cord Blood Units from a Single Bank.” Poster Presentation at the American Society of Hematology Annual Meeting, San Francisco, CA. December 1-5, 2000.
161. **J Kurtzberg.** “Cord Blood Application in Children and Adults.” The 3rd Annual Evolving Science of Blood/Marrow Transplantation Conference. Naples, FL. January 22-24, 2001
162. **J Kurtzberg.** “Umbilical Cord Blood, A Novel Source of Stem Cells for Bone Marrow Transplantation.” 9th Annual Pediatric Cancer Research Foundation Memorial Lectureship. 2001 PCRFB Memorial Honoree. Newport Beach, CA. January 29, 2001.
163. **J Kurtzberg.** “Infectious complications of cord blood transplantation.” Participant in Colloquium for American Red Cross, Western Area, Community Cord Blood Bank. San Diego CA. February 9-10, 2001.
164. **J Kurtzberg.** “Source of Stem Cells: Cord Blood.” Point/Counterpoint Session, American Society for Blood and Marrow Transplantation. Keystone, CO. February 17-19, 2001.
165. **J Kurtzberg.** “Transplantation of Unrelated Umbilical Cord Blood to Correct Genetic Diseases in Pediatric Patients.” Oral Abstract Presentation, IBMTR/ABMTR Meeting, Keystone, CO. February 17-19, 2001.
166. **J Kurtzberg.** Chair – Cord Blood Session/Oral Abstract Presentations. International Society for Hematotherapy and Graft Engineering (ISHAGE) 7th Annual Symposium. Quebec City, Quebec, Canada. June 14-17, 2001.
167. **J Kurtzberg.** Chair and Presenter – Ex Vivo Expansion Workshop. “Expansion of Thawed Hematopoietic Progenitors.” International Society for Hematotherapy and Graft Engineering (ISHAGE) 7th Annual Symposium. Quebec City, Quebec, Canada. June 14-17, 2001.
168. **J Kurtzberg.** Presentation to Hunter’s Hope Scientific and Medical Symposium for Krabbe Disease and Leukodystrophy Research. Java Center, NY. July 5-8, 2001.
169. **J Kurtzberg.** “Future Direction of Stem Cell Expansion.” Corporate symposium presentation at the 30th Annual Meeting of the International Society for Experimental Hematology. Tokyo, Japan. August 25-28, 2001.
170. **J Kurtzberg.** “Research Overview: Stem Cell and Cord Blood Research.” Stem Cell Research: The Latest Science, the Controversy and the Coverage. A Conference for Journalists. Terry Sanford Institute of Public Policy, Duke University, Durham, NC. October 12, 2001.
171. **J Kurtzberg.** “Significant Ex Vivo Expansion and Activation of Cytokine/Antibody T-Induced Lymphocytes (CATIL) from Cryopreserved Umbilical Cord Blood (UCB): Potential for Cellular Immunotherapy Post UCB Transplant.” Oral Abstract Presentation at 2002 Tandem BMT Meetings, Orlando, FL. February 22-26, 2002.
172. **J Kurtzberg.** “Umbilical Cord Blood Transplantation.” Durham Technical Community College, Durham, NC. March 7, 2002.

173. **J Kurtzberg.** “Umbilical Cord Blood Transplantation.” East Chapel Hill High School, Chapel Hill, NC. March 22, 2002.
174. **J Kurtzberg.** “An Update on Umbilical Cord Blood Transplantation.” The 5th Meeting of the International Cord Blood Society, Tufts University School of Medicine, Boston, MA. May 3-5, 2002.
175. **J Kurtzberg.** “Developments in the PBMT Program.” Duke University Medical Center, Therapeutic Development Group, Durham, NC. June 7, 2002.
176. **J Kurtzberg.** “Umbilical Cord Blood Collection and Banking.” Greensboro Women’s Hospital/OB-GYN Monthly Meeting, Greensboro, NC. June 19, 2002.
177. **J Kurtzberg.** “Cord Blood Transplantations.” Working Party Session 2 at the EBMT Paediatric Working Party, 4th Meeting, Frankfurt, Germany, June 21-23, 2002.
178. **J Kurtzberg.** “Clinical Documentation of Pluripotent Stem Cells for Tissue Regeneration after Cord Blood Transplantation.” Seminar Stammzellbiologie und Regenerative Medizin, Universitätsklinikum Dusseldorf, Dusseldorf, Germany, August 30, 2002.
179. **J Kurtzberg.** “Unrelated Cord Blood Transplantation – A Novel Therapy for Malignant and Non-malignant Diseases.” Keynote speaker at the Fourth Annual James A. Wolff Lecture in Pediatric Hematology/Oncology of the Valerie Fund Children’s Centers at Overlook and Morristown Memorial Hospitals, Morristown, NJ. August 12, 2002.
180. **J Kurtzberg.** “Unrelated Cord Blood Transplantation – A Novel Therapy for Malignant and Non-malignant Diseases.” Grand Rounds speaker at Overlook Hospital, Morristown, NJ. August 13, 2002.
181. **J Kurtzberg.** “Cord Blood Transplantation.” BMT Pharmacists Conference, Tandem BMT Meetings, Keystone, CO. January 30 – February 3, 2003.
182. **J Kurtzberg.** “Clinical Experience with Pediatric Stem Cell Transplantation.” Advances in the Management of MPS I Disease: Setting New Standards of Care with Enzyme Replace Therapy” Consultants Meeting, Chapel Hill, NC. March 7-8, 2003.
183. **J Kurtzberg.** “What We Have Learned About Cord Blood Transplantation.” General Surgery Grand Rounds, Duke University Medical Center, Durham, NC. March 12, 2003.
184. **J Kurtzberg.** “Unrelated Donor Allogeneic Stem Cell Transplant in Childhood Lymphoid Malignancies.” Plenary Session IX-Stem and Immune Cell Therapy in NHL – First International Symposium on Childhood and Adolescent Non-Hodgkin’s Lymphoma, New York, NY. April 10-12, 2003.
185. **J Kurtzberg.** “Umbilical Cord Blood Transplantation: Potential for Cellular Therapies.” Molecular Cardiology Seminar Series, Duke University Medical Center, Durham, NC. April 16, 2003.
186. **J Kurtzberg.** “Clinical Results After Unrelated Donor Umbilical Cord Blood Transplant – Non-malignant Diseases.” Session I: Clinical Results of Umbilical Cord Blood Transplants of the International Symposium on Umbilical Cord Blood Transplantation: New Insights and Future Directions, City of Hope Comprehensive Cancer Center, Los Angeles, CA. April 25-26, 2003.
187. **J Kurtzberg.** “Inborn Errors of Metabolism: Ocular Findings and Stem Cell Transplantation.” Department of Ophthalmology, Duke University Medical Center Chairman’s Science of Disease Seminar at Duke Eye Center, Durham, NC. July 10, 2003.

188. **J Kurtzberg.** “Bone Marrow and Mesenchymal Cell Transplantation for Metachromatic Leukodystrophy, Globoid Cell Leukodystrophy and X-Linked Adrenoleukodystrophy.” United Leukodystrophy Foundation Scientific Meeting, Sycamore, IL. July 16-17, 2003.
189. **J Kurtzberg.** “Cord Blood Transplantation.” Florida Hospital Cancer Institute, Orlando, FL. September 11, 2003.
190. **J Kurtzberg.** “An Update on Umbilical Cord Blood Transplantation.” Life... Keep It Going Conference, Melbourne, FL. September 12, 2003.
191. **J Kurtzberg.** “Stem Cell Transplantation Experience in the MPS Population.” MPS Family Day, Chapel Hill, NC. September 20, 2003.
192. **J Kurtzberg.** “An Update on Umbilical Cord Blood Transplantation.” Educational seminar at Genzyme Corporation, Framingham, MA. October 17, 2003.
193. **J Kurtzberg.** “Umbilical Cord Blood Stem Cells.” Glaxo Smithkline Stem Cell Symposium, Philadelphia, PA. October 22, 2003.
194. **J Kurtzberg.** “Stem Cell Research: Working to Improve Nature’s Miracle.” Plenary Speaker at the 16th Annual Idaho Conference on Health Care, Pocatello, ID. October 23, 2003.
195. **J Kurtzberg.** “Unrelated Donor Cord Blood Transplantation for Malignant and Non-Malignant Conditions.” Grand Rounds Presentation at Maine Medical Center, Portland, ME. January 8, 2004.
196. **J Kurtzberg.** “Unrelated Donor Umbilical Cord Blood Transplantation for Malignant and Genetic Diseases” and “Umbilical Cord Blood Banking and Transplantation.” Symposium on Childhood Cancer, the University of Mississippi Medical Center, Jackson, MS. January 14, 2004.
197. **J Kurtzberg.** Panelist for discussion on “Optimal supportive care in cord blood transplantation.” The 2nd Annual International Umbilical Cord Blood Transplantation Symposium, Los Angeles, CA. May 14-15, 2004.
198. **J Kurtzberg.** Chairperson for Scientific Session 4 entitled “Cord Blood Transplantation for Childhood/Genetic Disorders.” The 2nd Annual International Umbilical Cord Blood Transplantation Symposium, Los Angeles, CA. May 14-15, 2004.
199. **J Kurtzberg.** “Cord Blood Transplantation in Genetic Disorders.” The 2nd Annual International Umbilical Cord Blood Transplantation Symposium, Los Angeles, CA. May 14-15, 2004.
200. **J Kurtzberg.** “Unrelated Umbilical Cord Blood Transplantation for Malignant and Genetic Diseases.” 15th Annual W.W. Sutow Lecture, MD Anderson Cancer Center, Houston, TX. May 20, 2004.
201. **J Kurtzberg.** “Cord Blood Transplantation: Reconstitution of Hematopoietic and Extra-Hematopoietic Tissues.” MD Anderson Cancer Center, Houston, TX. June 3, 2004.
202. **J Kurtzberg.** “Plasticity of Human Umbilical Cord Blood Cells; Lessons from Human Transplantation.” First Annual Triangle Stem Cell Symposium, Duke University Medical Center, Searle Center. July 8, 2004.
203. **J Kurtzberg.** Presentation to the Bouncer Foundation Summer Research Program for Duke Undergraduate Students, Duke University Medical Center, Searle Center. July 8, 2004.
204. **J Kurtzberg.** “Cord Blood Transplantation for Genetic Diseases Demonstrates the Potential of These Cells for Cellular Therapies.” 8th Tokyo International Symposium on Cord Blood

- Transplantation, The Institute of Medical Science, the University of Tokyo, Tokyo, Japan. July 29 – August 1, 2004.
205. **J Kurtzberg.** “Career Retrospectives in Hematology Clinical Research.” American Society of Hematology Second Annual Clinical Research Training Institute, Dana Point, CA. August 4, 2004.
 206. **J Kurtzberg.** The Myelin Project. Nice, France. September 10 – 12, 2004.
 207. **J Kurtzberg.** “Human Umbilical Cord Blood: A Novel Source of Stem Cells for Transplantation and Tissue Repair.” Medical Alumni Weekend, Duke University Medical Center, Durham, NC. October 7-10, 2004.
 208. **J Kurtzberg.** “Transplantation and Stem Cell Therapies for Primary Immunodeficiency Diseases.” CME program Do You Know the 10 Warning Signs of Primary Immunodeficiency Diseases? Identifying Effective Treatment Alternatives. University of Miami School of Medicine, Miami, FL. November 12, 2004.
 209. **J Kurtzberg.** “Stem Cell Research.” Presentation to the Hadassah S.U.N. Cooperative, Research Triangle Park, NC. November 14, 2004.
 210. **J Kurtzberg.** Presentation for North Carolina Congressional District Director’s Day. Duke University Medical Center, Durham, NC. November 30, 2004.
 211. **J Kurtzberg.** “The Impact of Cord Blood on Transplant Outcomes.” Presentation at ASH 2004 Corporate Friday, 2004 American Society of Hematology Annual Meeting, San Diego, CA. December 3, 2004.
 212. **J Kurtzberg.** “Cord Blood Transplants for Malignant and Genetic Diseases.” Presentation at Meet the Expert Session, 2004 American Society of Hematology Annual Meeting, San Diego, CA. December 5, 2004.
 213. **J Kurtzberg.** “Results of the Cord Blood Transplantation Study (COBLT): Clinical outcomes of 193 unrelated donor UCB transplantations in pediatric patients with malignant conditions”, Best Abstracts Plenary Session, Annual meeting American Association of Blood and Marrow Transplantation, Keystone, CO. February 12. 2005.
 214. **J Kurtzberg.** “Cord Blood Transplantation is Beneficial for Young Children with MPS.” Presentation at the 19th Annual National MPS Society Conference, Orlando, FL. December 18, 2004.
 215. **J Kurtzberg.** “The Last Hope: Stem-Cell Transplants for Sick Children.” Presentation at the Association of Health Care Journalists conference. April 1, 2005.
 216. **J Kurtzberg.** “An Update on Umbilical Cord Blood Banking and Transplantation”, America’s Blood Centers Annual Meeting. April 2, 2005.
 217. **J Kurtzberg.** “The Promise of Cord Blood Stem Cells for Developing New Treatments for Cancer and Other Diseases”, The Swain Endowed Lectureship in Community Health, The University of Illinois College of Medicine at Peoria. April 14. 2005.
 218. **J Kurtzberg.** “Advances in Cord Blood Transplantation in Malignant and Nonmalignant Conditions.” Pediatric Grand Rounds, Children’s Hospital of Illinois. April 14, 2005.
 219. **J Kurtzberg.** “Hematopoietic Stem Cell Transplantation”, Medical School Lecture, University of Illinois College of Medicine at Peoria. April 14, 2005.
 220. **J Kurtzberg.** “Cord Blood Transplantation for Lysosomal Storage Diseases”, National Tay Sachs and Allied Disease, Annual Family Conference. April 15, 2005.

221. **J Kurtzberg.** “Science Café: Stem Cells”, Discovery Place Evening Program, Charlotte, NC. April 18, 2005.
222. **J Kurtzberg.** “ Standardization of Cord Blood Banking Procedures in the NMDP Network,” The International Umbilical Cord Blood Transplantation Symposium, Los Angeles, CA. June 4, 2005.
223. **J Kurtzberg.** “An Update on Umbilical Cord Blood to Treat Krabbe Disease,” Hunter’s Hope Foundation 8th Annual Family and Medical Symposium, Ellicottville, NY. July 14, 2005.
224. **J Kurtzberg.** “Measuring GLAC in Umbilical Cord Blood,” Hunter’s Hope Foundation 8th Annual Family and Medical Symposium, Ellicottville, NY. July 15, 2005.
225. **J Kurtzberg.** “Update on Cord Blood Banking and Transplantation.” Medical Grand Rounds, University of North Carolina, School of Medicine, Chapel Hill, NC. September 1, 2005.
226. **J Kurtzberg.** “Cord Blood Transplantation-Past, Present and Future.” Official opening of Singapore Cord Blood Bank, Singapore. September 28, 2005.
227. **J Kurtzberg.** “An Update on Umbilical Cord Blood,” Rheumatology Research Conference, Duke University Medical Center, Durham, NC. October 10, 2005.
228. **J Kurtzberg.** “An Overview of Umbilical Cord Blood Transplantation,” The Leukemia & Lymphoma Society Board Meeting, Durham, NC. October 20, 2005.
229. **J Kurtzberg.** “Correction of Genetic Diseases with Umbilical Cord Blood Transplantation,” Environmental Epigenomics Conference, Durham, NC. November 2, 2005.
230. **J Kurtzberg.** “Umbilical Cord Blood Banking and Transplantation,” UNC MD-PhD Program Seminar, Chapel Hill, NC. November 7, 2005.
231. **J Kurtzberg.** “Cord Blood Banking.” Medical staff presentation at Rex Healthcare Birth Center, Raleigh, NC. January 5, 2006.
232. **J Kurtzberg.** “The Healthcare Team Of The 21st Century: What It Takes To Save The Life of a Child With a Genetic Disease,” A presentation by health care professionals, patients and their families at Duke University Medical Center, Durham, NC. January 2006.
233. **J Kurtzberg.** “Graft Insert: Cord Blood,” A presentation to the Clinical Research Professionals Data Management Conference at the 2006 BMT Tandem Meetings, Honolulu, HI. February 2006.
234. **J Kurtzberg.** “Stem Cell Therapies in Children and Adolescents: Can Hematopoietic Stem Cells be Used to Treat Disorders that Do Not Involve Blood or Cancer,” Workshop presentation at the 2006 BMT Tandem Meetings, Honolulu, HI. February 2006.
235. **J Kurtzberg.** “Umbilical Cord Blood Banking and Transplantation.” Presentation to the Greenville Hospital System. Greenville, SC. March 21, 2006.
236. **J Kurtzberg.** “Consortium for Hematopoietic Stem Cell Transplant in Lysosomal Storage Disorders.” Presentation in Session III of the NIH/NINDS Workshop: Glycosphingolipids in Health and Disease, Alexandria, VA. April 5-6, 2006.
237. **J Kurtzberg.** “Therapy of ALL in Children and Adults: Similarities and Contrasts.” Leukemia Session at the Duke Debates – Controversies in the Management of Patients with Hematologic Malignancies, Asheville, NC. April 7-8, 2006.
238. **J Kurtzberg.** “Cord Blood.” Plenary speaker at Session I of the 2006 CBMTG Conference, Edmonton, Alberta, Canada. April 21-24, 2006.

239. **J Kurtzberg.** “An Overview of the Cancer Center’s Bone Marrow Transplant Program.” Co-presenter with Dr. Nelson Chao at the Duke Comprehensive Cancer Center Science of Oncology Symposia, Duke University Medical Center, Durham, NC. April 25, 2006.
240. **J Kurtzberg.** “Discussions Regarding Umbilical Cord Blood Transplant: The Duke Experience.” Session at the Workshop on Neurodiagnostic Evaluation – Krabbe Disease Screening in New York, New York, NY. May 1, 2006.
241. **J Kurtzberg.** “Optimal Selection of Stem Cell Products for Hematopoietic Cell Transplantation.” Session II at the 4th Annual International Umbilical Cord Blood Transplantation Symposium, Los Angeles, CA. May 19-20, 2006.
242. **J Kurtzberg.** “Umbilical Cord Blood, a Novel Source of Cells for Tissue Repair and Regeneration through Human Transplantation.” Presentation at the Society of Neurological Surgeons Meeting, Duke University Medical Center, Durham, NC. May 21, 2006.
243. **J Kurtzberg.** “Cord Blood Transplantation for Lysosomal Storage Diseases.” Hunter’s Hope 9th Annual Family and Medical Symposium, Ellicottville, NY. June 21-25, 2006.
244. **J Kurtzberg.** “Ethics in Cord Blood Banking: Where Do We Stand?” “Cord Blood Transplantation for Metabolic Diseases” and “Role of Preparatory Regimens.” Presentations at the 10th Congress of the Brazilian Society of Bone Marrow Transplantation, Curitiba, Brazil. August 16-19, 2006.
245. **J Kurtzberg.** “Haemopoietic Stem Cell Therapy.” Education and State of the Art Reviews session at the XXIXth International Congress of the International Society of Blood Transfusion, Cape Town, South Africa. September 2-7, 2006.
246. **J Kurtzberg.** “Preparing for a Career in Academic Medicine.” Presentation at the Business of Medicine Symposium, sponsored by the Duke Medical Alumni Association. Duke University, Durham, NC. September 13, 2006.
247. **J Kurtzberg.** “Pioneering Umbilical Cord Cell Research.” Presentation to the spouses of the Duke University Board of Trustees. Duke University, Durham, NC. September 29, 2006.
248. **J Kurtzberg.** “Umbilical Cord Cells: a Potential ‘Near-Term Future’ Therapy for Inherited Diseases of the Pediatric Brain – a Report from Actual Clinical Interventions.” Presentation at Symposium VIII: Future of Therapy in Child Neurology at the 35th Annual Meeting of the Child Neurology Society, Pittsburgh, PA. October 18 – 21, 2006.
249. **J Kurtzberg.** “The U.S. BMT Clinical Trials Network: Addressing Optimal Graft Sources.” 2006 AABB Annual Meeting, Miami Beach, FL. October 21-24, 2006.
250. **J Kurtzberg.** “Umbilical Cord Blood: A Source of Cells for Regenerative Medicines, Lessons from Children with Lysosomal Storage Diseases.” Session III: Postnatal Stem Cell Biology, 59th Annual Symposium on Cancer Research – Stem Cell in Cancer and Regenerative Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX. October 27-29, 2006.
251. **J Kurtzberg.** “Umbilical Cord Blood: A Novel Source of Stem Cells for Hematopoietic Cell Transplantation.” National Donor Day presentation for Clinical Laboratories, Duke University Medical Center, Durham, NC. February 14, 2007.
252. **J Kurtzberg.** “Banking and transplantation of unrelated donor cord blood transplantation.” Winnie Palmer Hospital Grand Rounds, Orlando, FL. March 2, 2007.
253. **J Kurtzberg.** “Using umbilical cord blood transplantation to treat malignant and genetic diseases.” UCONN Health Center/CCMC Grand Rounds, Hartford, CT. March 5, 2007.

254. **J Kurtzberg.** “Stem cells and their future.” Cord Blood Briefing, Washington DC. March 7, 2007
255. **J Kurtzberg.** “Treatment of MPS Syndromes with Umbilical Cord Blood Transplant.” NIH Scientific Conference, MPS Society, Washington DC. March 8, 2007.
256. **J Kurtzberg.** “Stem cells and their future.” Forum Club of Southwest Florida, Naples, FL. March 16, 2007.
257. **J Kurtzberg.** “Cord blood transplantation in patients with metabolic diseases.” 33rd Annual EBMT Meeting, Lyon, France. March 25, 2007.
258. **J Kurtzberg.** “An update on umbilical cord blood transplantation” Triangle Stem Cell Symposium, Friday Center, Chapel Hill, NC. April 13, 2007.
259. **J Kurtzberg.** “An Overview of Cord Blood Transplantation –history, future, and special challenges”. Medical Roundtable Teleconference. April 16, 2007.
260. **J Kurtzberg.** “Using umbilical cord blood transplantation to treat malignant and genetic diseases.” Grand Rounds, Brigham & Women’s Hospital, Boston, MA. April 18, 2007.
261. **J Kurtzberg.** “Cord Blood as a Source of Stem Cells.” Mid-Atlantic Association of Blood Banks, Williamsburg, VA. April 20, 2007.
262. **J Kurtzberg.** “Ex-vivo expansion of ALDH bright cells.” 5th Annual Umbilical CB Transplantation Symposium, Los Angeles, CA. May 11, 2007.
263. **J Kurtzberg.** “Ex-vivo expansion of ALDH bright cells.” 5th Annual Umbilical Cord Blood Transplantation Symposium, Los Angeles, CA. May 11, 2007.
264. **J Kurtzberg.** “Using Umbilical Cord Blood Transplantation in Treatment of Malignant and Genetic Diseases.” Albert Einstein Healthcare Network Research Day, Philadelphia PA. May 30, 2007.
265. **J Kurtzberg.** “Using Umbilical Cord Blood Transplantation to Treat Malignant and Genetic Diseases.” Albert Einstein Healthcare Network Research Day, Philadelphia, PA. May 30, 2007.
266. **J Kurtzberg.** “New clinical indications and off label use.” ISCT Cell Therapy Liaison Meeting, Bethesda, MD. June 7, 2007.
267. **J Kurtzberg.** “Umbilical cord blood and bone marrow transplantation, stem cell research.” Radio in Vivo Interview, Carrboro, NC. June 20, 2007.
268. **J Kurtzberg.** “An update on cord blood transplantation for Krabbe disease.” Hunter’s Hope 10th Annual Family & Medical Symposium. Ellicottville, NY. July 13, 2007.
269. **J Kurtzberg.** “Pediatric stem cell/cord blood transplantation”. Qingdao International Symposium on Hematopoietic Stem Cell Transplantation. Qingdao, Shandong Province, China. September 2007.
270. **J Kurtzberg.** “An introduction of Carolina Cord Blood Bank” Qingdao International Symposium on Hematopoietic Stem Cell Transplantation. Qingdao, Shandong Province, China. September 2007.
271. **J Kurtzberg.** “Long term outcome of presymptomatic transplanted babies”. Krabbe Consortium Meeting. New York, NY. September 2007.

272. **J Kurtzberg** “Unrelated cord blood transplantation in adults”. ESH, Eurocord, Netcord, EBMT, UT MD Anderson Cancer Center Meeting. Biology and Clinical Application of Cord Blood Cells. Paris, France. October 2007.
273. **J Kurtzberg** “Unrelated cord blood transplants in hereditary disorders”. ESH, Eurocord, Netcord, EBMT, UT MD Anderson Cancer Center Meeting. Biology and Clinical Application of Cord Blood Cells. Paris, France. October 2007.
274. **J Kurtzberg** “Women in medicine”. Collegiate Athlete Pre-Medical Experience (CAPE), Duke University, Durham, NC. October 2007.
275. **J Kurtzberg** “Umbilical cord blood: a potential cell source for neural cell repair?” Thermo Genesis Corp. Rancho Cordova, CA. November 2007.
276. **J Kurtzberg** “"Correcting genetic diseases with umbilical cord blood transplantation; insights into future applications in regenerative medicine" Duke Center Translational Research/Duke translational Research Institute Meeting. December 2007.
277. **J Kurtzberg** “Umbilical cord blood transplantation, lessons learned and challenges ahead.” British Columbia Cancer Research Centre and Children and Women’s Hospital. Vancouver, BC. January 2008.
278. **J Kurtzberg**, “Cord blood transplantation in pediatric genetic and malignant diseases.” Child & Family Research Institute, British Columbia Children’s Hospital. Vancouver, BC. January 2008.
279. **J Kurtzberg**, “Neonatal UCB transplant for the lysosomal storage disorders.” Children’s Hospital of California, Orange, CA. March 13, 2008.
280. **J Kurtzberg**, “Overcoming cord blood anxiety.” National Marrow Donor Program Spring Meeting, Charlotte, NC. April 7, 2008.
281. **J Kurtzberg**, “Cord Blood Transplantation and Graft Engineering” 14th Annual ISCT Meeting, Miami, FL. May 18, 2008.
282. **J Kurtzberg**, “Cord Blood Transplantation in Infant Inherited Metabolic Disorders” Duke Translational Research Institute Ethics of Cellular Therapy Conference. June 16, 2008.
283. **J Kurtzberg**, “Ethical Issues: Public vs. Private Support of Programs for Transplant Discussion and Panel” Duke Translational Research Institute Ethics of Cellular Therapy Conference. June 16, 2008.
284. **J Kurtzberg**, “Fetal Transplantation in Grave Metabolic Disorders” Duke Translational Research Institute Ethics of Cellular Therapy Conference. June 17, 2008.
285. **J Kurtzberg**, “Advancements in Cord Blood Collection and Applications” Oakwood Center for Women’s Health Combined OB/Gyn Department Meeting. June 26, 2008.
286. **J Kurtzberg**, “Duke Transplant Program” Hunter’s Hope 11th Annual Family and Medical Symposium for Krabbe Disease and Leukodystrophy Research. July 10, 2008.
287. **J Kurtzberg**, “The Duke/UNC Experience” Hunter’s Hope 11th Annual Family and Medical Symposium for Krabbe Disease and Leukodystrophy Research. July 11, 2008.
288. **J Kurtzberg**, “Cord Blood Research” American Academy for Cerebral Palsy and Developmental Medicine. September 19, 2008.
289. **J Kurtzberg**, “Controversies in Cerebral Palsy” American Academy for Cerebral Palsy and Developmental Medicine. September 20, 2008.

290. **J Kurtzberg**, “The Potential for Umbilical Cord Blood to facilitate brain repair and regeneration” Rutgers University Women in Neuroscience lecture series. October 2, 2008.
291. **J Kurtzberg**, “Validating the Collection Process for Cellular Therapy Products” AABB Annual Meeting. October 7, 2008.
292. **J Kurtzberg**, “Umbilical Cord Blood to Treat Inherited and Acquired Brain Injuries” MWH Special Study Group. January 16, 2009.
293. **J Kurtzberg**, “Cord Blood Transplant and Banking” South Miami Hospital Cord Blood Transplant and Banking Conference. January 26, 2009.
294. **J Kurtzberg**, “Umbilical Cord Banking and Transplantation” Woman’s Hospital of Baton Rouge Grand Rounds. April 2, 2009.
295. **J Kurtzberg**, “Cord Blood: Thaw/Infusion Practical Methods” ISCT 15th Annual Meeting. May 4, 2009.
296. **J Kurtzberg**, “Cord Blood Stem Cell and Adoptive Cell Therapy” ISCT 15th Annual Meeting. May 5, 2009.
297. **J Kurtzberg**, “Treatment of neurologic disorders with cord blood stem cells” 7th Annual International Umbilical Cord Blood Transplantation Symposium. June 5, 2009.
298. **J Kurtzberg**, “Selecting the Optimal Cord Blood Unit” 7th Annual International Umbilical Cord Blood Transplantation Symposium. June 6, 2009.
299. **J Kurtzberg**, “Cord Blood Processing and Evaluation of Potency” 7th Annual International Umbilical Cord Blood Transplantation Symposium. June 6, 2009.
300. **J Kurtzberg**, “Cord Blood Transplantation for Metabolic Disorders” 7th Annual International Umbilical Cord Blood Transplantation Symposium. June 7, 2009.
301. **J Kurtzberg**, “The Krabbe Disease Transplant Experience” Hunter’s Hope Medical Symposium. August 11, 2009.
302. **J Kurtzberg**, “Inclusion/Exclusion Criteria for HCT in Presymptomatic and Symptomatic Infants” Hunter’s Hope Medical Symposium. August 12, 2009.
303. **J Kurtzberg**, “An Update on Transplantation Therapy for Krabbe Disease” Hunter’s Hope Medical Symposium. August 13, 2009.
304. **J Kurtzberg**, “Cord Blood Transplantation for Genetic and Acquired Brain Injuries” ISCT Somatic Meeting. September 14, 2009.
305. **J Kurtzberg**, “Cord Blood Transplantation” 28th Annual Symposium Immunohematology and Blood Transfusion Symposium. September 17, 2009.
306. **J Kurtzberg**, “Treatment of Neurological Disorders with Cord Blood Stem Cells” VII Congress of Mexican Association of Transfusion Medicine. September 18, 2009.
307. **J Kurtzberg**, “Allogeneic human mesenchymal stem cell therapy (Prochymal) as a rescue agent for severe treatment resistant GvHD in pediatric patients.” Oral Presentation at the ASBMT 2010 Tandem Meeting, Orlando, FL. February 25, 2010.
308. **J Kurtzberg**, “Umbilical Cord Blood Transplantation and Treatment Indications”. NC OBGYN Society Meeting, Wendover Resort, Greensboro, NC. April 23, 2010.

309. **J Kurtzberg**, “Status of a clinical trial of autologous cord blood stem cells for the treatment of cerebral palsy and other acquired brain injuries in young children” 8th Annual International Cord Blood Transplantation Symposium, San Francisco, CA. June 3, 2010.
310. **J Kurtzberg**, “Review: Umbilical cord blood transplantation – Where do we stand?” 8th Annual International Cord Blood Transplantation Symposium, San Francisco, CA. June 4, 2010.
311. **J Kurtzberg**, “Thawing and infusion of cord blood units; gaining knowledge to prevent adverse infusion events” 8th Annual International Cord Blood Transplantation Symposium, San Francisco, CA. June 4, 2010.
312. **J Kurtzberg**, “Preparation of cord blood units for infusion”. 8th Annual International Cord Blood Transplantation Symposium, San Francisco, CA. June 4, 2010.
313. **J Kurtzberg**, “Outcomes from BMT and Cord Blood Transplants”. 11th International Symposium on Mucopolysaccharide and Related Diseases, Adelaide, Australia. June 25, 2010.
314. **J Kurtzberg**, “Umbilical Cord Blood Transplantation in Lysosomal Storage Disorder Neonates” 11th International Symposium on Mucopolysaccharide and Related Diseases, Adelaide, Australia. June 26, 2010.
315. **J Kurtzberg**, “The Role of Unrelated Donor Umbilical Cord Blood Treating Pediatric Patients with Genetic Brain Disorders”, SingHealth/Duke-NUS Scientific Congress, Singapore. October 16, 2010.
316. **J Kurtzberg**, “Stem cell Therapy: Hype or Hope?” SingHealth/Duke-NUS Scientific Congress, Singapore. October 16, 2010.
317. **J Kurtzberg**, “The Promise of Umbilical Cord Blood for Regenerative Medicine” North Carolinas Tissue Engineering and Regenerative Medicine Society Conference, Durham, NC. November 12, 2010.
318. **J Kurtzberg**, “Status of a Clinical Trial of Autologous Cord Blood Cells for the Treatment of CP and other acquired brain injuries.” World Cord Blood Congress, Marseille, France, November 5, 2010.
319. **J Kurtzberg**, “The promise of umbilical cord blood for regenerative medicine.” NCTERMS, November 12, 2010.
320. **J Kurtzberg**, “What’s the role of cell therapy in genetic and acquired brain diseases in childhood.” NICHD Workshop, Bethesda, MD. January 13, 2011.
321. **J Kurtzberg**, Presidential Symposium Talk, ASH Annual Meeting, Dec 7, 2010.
322. **J Kurtzberg**, “Plenary Talk: Molecular” NICHD Plasticity Workshop. January 13, 2011.
323. **J Kurtzberg**, “The Therapeutic Potential of human umbilical cord blood: Now and in the future” Moses Cone Grand Rounds. March 2, 2011.
324. **J Kurtzberg**, “Current clinical trials with cord blood and CP.” Lecture to Pediatric Neurology residents, Duke University Medical Center. March 11, 2011.
325. **J Kurtzberg**, “Cord blood stem cell transplant – Treatment of cerebral palsy in children.” HealthBanks Conference, Hong Kong, China. April 21, 2011.
326. **J Kurtzberg**, “CD34 enumeration, how and when 2011.” 17th Annual ISCT Meeting. May 20, 2011.

327. **J Kurtzberg**, “Autologous cord blood for children with cerebral palsy.” 10th Annual Cord Blood Symposium. June 23, 2011.
328. **J Kurtzberg**, “Umbilical cord blood therapies for acquired and genetic brain injuries: Potential impacts on cord blood banking.” AGOS Annual Meeting. September 16, 2011.
329. **J Kurtzberg**, “Umbilical cord blood stem cells.” HeLa Conference, Atlanta, GA. September 23, 2011.
330. **J Kurtzberg**, “BLA Submissions for Cord Blood Licensure.” AABB Annual Meeting. October 22, 2011.
331. **J Kurtzberg**, “Specific Pediatric Aspects: Comparison with other stem cell sources.” ESH World Cord Blood Congress. October 29, 2011.
332. **J Kurtzberg**, “Autoimmune disease: Is it more frequent after CBT than after adults BMT or PBSC?” ESH World Cord Blood Congress. October 29, 2011.
333. **J Kurtzberg**, “Cord Blood – History, Current therapies and what may be possible in the future.” Florida Hospital OB/GYN Department Meeting. January 12, 2012.
334. **J Kurtzberg**, “Blood and Marrow Transplant and Rare Disorders.” Chancellor’s Kick Off Innovation Seminar Series, Duke University, Durham, NC. January 19, 2012.
335. **J Kurtzberg**, Presentation to Health Canada and Canadian Health Regulators, RE: Osiris Prochymal. Ottawa, Canada. January 25, 2012.
336. **J Kurtzberg**, “The Potential of Cord Blood for Cell Transplantation and Regenerative Medicine: Lessons Learned and Future Possibilities” 16th Annual Medical Student Research Forum. New York Medical College. February 9, 2012.
337. **J Kurtzberg**, “The Potential of Cord Blood for Cell Transplantation and Regenerative Medicine: Lessons Learned and Future Possibilities” New York Medical College, New York, NY. February 10, 2012.
338. **J Kurtzberg**, “PBMT-CCBB Overview.” Children and the Experience of Illness: The Duke Innovation Program Duke University, Durham, NC. February 16, 2012.
339. **J Kurtzberg**, “PBMT-CCBB Overview.” Presented to visiting US FDA Inspectors and EPA Regulators. Duke University, Durham, NC. February 27, 2012.
340. **J Kurtzberg**, “PBMT-CCBB Overview,” Presented to site visitors from Upstate Medical Center. Duke University. Durham, NC. March 9, 2012.
341. **J Kurtzberg**, “Extending Cord Blood Therapy from Genetic to Acquired Brain Injuries,” Krabbe Translational Research Network, Pittsburg, PA. March 13, 2012.
342. **J Kurtzberg**, “Robertson Clinical and Translational Cell Therapy Program Overview presentation of PBMT-CCBB.” Programs of Distinction at Duke University. Durham, NC. March 26, 2012.
343. **J. Kurtzberg**, “Cord Blood Transplantation.” Presentation to the Class of 2012 spring section MCB/CBI 208: Stem Cell Biology at Duke University. Durham, NC. March 29. 2012.
344. **J. Kurtzberg**, “An Overview of Umbilical Cord Blood Banking and Transplantation.” Becton Dickinson Research Team, Research Triangle Park, NC. March 29, 2012.
345. **J. Kurtzberg**, “Robertson Clinical and Translational Cell Therapy Program - Overview presentation of PBMT-CCBB” to Baxter Ventures, at Duke University, Durham, NC. April 4, 2012.

346. **J. Kurtzberg**, “Robertson Clinical and Translational Cell Therapy Program - Overview presentation of PBMT-CCBB” to Grady Health Foundation, by video conference. April 9, 2012.
347. **J. Kurtzberg**, “Robertson Clinical and Translational Cell Therapy Program - Overview presentation of PBMT-CCBB” to CCBB Intern Lecture, at Duke University, Durham, NC. April 19, 2012.
348. **J. Kurtzberg**, “Robertson Clinical and Translational Cell Therapy Program - Overview presentation of PBMT-CCBB” Biosafe Group SA, Eysins CH, Geneva Switzerland. April 25, 2012.
349. **J. Kurtzberg**, “Scientific Factors Necessary to Define a Cord Blood Unit as High Quality.” U.S. Department of Health and Human Services Advisory Council on Blood Stem Cell Transplantation Meeting, Washington D.C. May 9, 2012.
350. **J. Kurtzberg**, Carolina Cord Blood Bank Site Visit by HRSA at Duke University, Durham, NC. May 21, 2012.
351. **J. Kurtzberg**, “National Marrow Donor Program Cord Blood Advisory Group Proclamation of Appreciation to Robert L. Baitty” Co-Chair, Cord Blood Advisory Group National Marrow Donor Program, Chicago, IL. May 23, 2012.
352. **J. Kurtzberg**, Acceptance speech of Sarah Lawrence College Alumni Citation Award. Bronxville, NY. June 2, 2012.
353. **J. Kurtzberg**, “Global Regulatory Perspectives,” The International Society for Cellular Therapy, 18th Annual Meeting. Seattle, WA. June 6, 2012.
354. **J. Kurtzberg**, “Optimizing Clinical Outcomes of Cord Blood Transplantation through Enhanced Selection, Testing and Preparation – How does cord blood potency impact clinical outcomes after cord blood transplantation?” International Society for Cellular Therapy, 18th Annual Meeting. Seattle, WA. June 6, 2012.
355. **J. Kurtzberg**, Session IIA: “Future Direction of Cord Blood Therapies for Acquired Brain Injuries.” International Cord Blood Symposium 10th Anniversary Conference, San Francisco, CA. June 7, 2012.
356. **J. Kurtzberg**, Session IX A: Panel Discussion: Cord Blood Bank Perspective. International Cord Blood Symposium 10th Anniversary Conference. San Francisco, CA. June 9, 2012.
357. **J. Kurtzberg**, Session IX B: Panel Discussion: Forward Focus on Cost Reduction Strategies for Cord Blood Graft. International Cord Blood Symposium 10th Anniversary Conference. San Francisco, CA. June 9, 2012.
358. **J. Kurtzberg**, “Blood and Marrow Transplant Clinical Trials Network Steering Committee – Update on 0501 Clinical Trial.” Washington, D.C. June 29, 2012.
359. **J. Kurtzberg**, “Abelson Lecture: Historic Perspective on Cord Blood Transplantation.” Fred Hutchinson Cancer Center, Seattle Children’s Hospital and the University of Washington. Seattle, WA. July 12, 2012.
360. **J. Kurtzberg**, “Sterility Testing: Question and Answer Conference Call for the OCTGT/CBER/FDA Regulatory Project Manager in conjunction with Fred Hutchinson Cancer Center”, Seattle Children’s Hospital and the University of Washington, Seattle, WA. July 12, 2012.
361. **J. Kurtzberg**, “Robertson Clinical and Translational Cell Therapy Program - Overview presentation of CCBB” Intern Lecture. Duke University, Durham, NC. July 26, 2012.

362. **J. Kurtzberg**, “Alternative Approaches to HSCT Using Reduced Intensity Regimens for Babies and Children with Lysosomal Storage Disorders, The 5th Annual Workshop on Krabbe Disease.” Ellicottville, NY. August 1, 2012.
363. **J. Kurtzberg**, Carolinas Cord Blood Bank Overview Presentation to Parents at the 5th Annual Workshop on Krabbe Disease.” Ellicottville, NY. August 1, 2012.
364. **J. Kurtzberg**, “Enhancing Outcomes of Unrelated Cord Blood Transplantation” Brazilian BMT Society Meeting, Brazil. August 2-4, 2012.
365. **J. Kurtzberg**, “Umbilical Cord Blood Stem Cells. A Bright Future in Metabolic Disorders, Genetic Defects and Cerebral Palsy.” HELA Conference, September 13-14, 2012.
366. **J. Kurtzberg**, “Cord Blood Transplantation for Genetic and Acquired Brain Injuries.” 3rd International Stem & Bone Marrow Symposium, Colombia, South America. September 20, 2012.
367. **J. Kurtzberg**, “Umbilical Cord Blood Banking and Transplantation.” ASHI Meeting, Puerto Rico. October 12, 2012.
368. **J. Kurtzberg**, Carolinas Cord Blood Bank Overview Presentation to Staff and Expectant Mothers at UNC Department of Obstetrics and Gynecology Midwifery Division, Chapel Hill, NC. October 24, 2012.
369. **J. Kurtzberg**, “Pre-Clinical data for lead cell therapy product ProHema” Fate Therapeutics, Atlanta, GA. November 9, 2012.
370. **J. Kurtzberg**, “Preliminary Results of Nicord Study” BMT Steering Committee, Arlington, VA. October 18, 2012.
371. **J. Kurtzberg**, “Development of Cordbridge, a Product for Temporary or Permanent Rescue of Hematopoiesis after Severe Bone Marrow Injury” NHLBI/BARDA Blood Symposium, Bethesda, MD. November 15, 2012.
372. **J. Kurtzberg**, “Autologous Cord Blood Transplantation in Congenital CNS Diseases”, “MSC Therapy as GVHD Treatment”, “Cord Blood Transplantation for Inborn Errors of Metabolism”, December 2012.
373. **J. Kurtzberg**, “Cord Blood Banking and Transplantation: The Past, the Present and the Future” Wake Forest School of Medicine Institute for Regenerative Medicine, Winston-Salem, NC. February 2013.
374. **J. Kurtzberg**, “Treatment of Neonatal Encephalopathy & Cerebral Palsy with Umbilical Cord Blood” Texas Clinical Women’s Health Symposium, Houston, TX. March 2013.
375. **J. Kurtzberg**, “Umbilical Cord blood, as source of stem cell, for Transplantation and Regenerative Medicine.” Texas Clinical Women’s Health Symposium, Houston, TX. March 2013.
376. **J. Kurtzberg**, “O-cell Therapy with RNA Oligonucleotides.” KTRN Annual Conference, NY. March 2013.
377. **J. Kurtzberg**, “Umbilical Cord Blood Stem Cells in Transplantation and Regenerative Medicine, including acquired and genetic brain injuries.” 68th Annual OBGYN Assembly of Southern California, Marina del Rey, CA. April 2013.
378. **J. Kurtzberg**, “Repurposing Cord Blood for Transplantation and Regenerative Medicine.” Israstem Conference, Ramat Gan, Israel. April 2013.

379. **J. Kurtzberg**, “Cord Blood Transplantation in Genetic and Acquired Brain Disorders.” 11th Annual Cord Blood Symposium (preconference). San Francisco, CA. June 2013.
380. **J. Kurtzberg**, Session IA: “Welcome and Introduction.” 11th Annual Cord Blood Symposium. San Francisco, CA. June 2013.
381. **J. Kurtzberg**, Session IB: Debate “Can Off-the-shelf Allogenic Cord Blood Products Bridge Hematopoiesis after Marrow Injury?” 11th Annual Cord Blood Symposium. San Francisco, CA. June 2013.
382. **J. Kurtzberg**, Session IIA: “What is the Potential for Banked Cord Blood in the Field of Regenerative Medicine?” 11th Annual Cord Blood Symposium. San Francisco, CA. June 2013.
383. **J. Kurtzberg**, Session IIA: Panel Discussion, “Envisioning the Future Landscape for Novel Application of Cord Blood in Regenerative Medicine.” 11th Annual Cord Blood Symposium. San Francisco, CA. June 2013.
384. **J. Kurtzberg**, Session IIB: “Nicord for Cord Blood Transplantation in Patients with Sickle Cell Disease.” 11th Annual Cord Blood Symposium. San Francisco, CA. June 2013.
385. **J. Kurtzberg**, Session IIB: Panel Discussion, “Cord Blood Transplantation for Non-Malignant Diseases” 11th Annual Cord Blood Symposium. San Francisco, CA. June 2013.
386. **J. Kurtzberg**, Session IIIA: “Cord Blood Transplantation for Benign Disorders.” 11th Annual Cord Blood Symposium. San Francisco, CA. June 2013.
387. **J. Kurtzberg**, Session IIIB: Panel Discussion, “Cord Blood Unit Selection.” 11th Annual Cord Blood Symposium. San Francisco, CA. June 2013.
388. **J. Kurtzberg**, “Automating Hematopoietic Stem Cell Processing, Thawing and Washing: Standardizing Practices and Maximizing Recoveries for the Clinic. Biosafe Lecture. San Francisco, CA. June 2013.
389. **J. Kurtzberg**, Session VI: “No Survival Advantage following Double-Unit Cord Blood Transplantation Compared to Single-Unit Cord Blood Transplantation in Children with Hematological malignancy: Results of the Blood and Marrow Transplant Clinical Trials Network.” 11th Annual Cord Blood Symposium. San Francisco, CA. June 2013.
390. **J. Kurtzberg**, Session 8: Cord Blood Therapy, “Use of Cord Blood Cell Therapy in Cerebral Palsy.” The 4th Meeting of Asian Cellular Therapy Organization. Shunan, Miaoli, Taiwan. July 2013.
391. **J. Kurtzberg**, “Issues with HCT and newborn screening.” 16th Annual Symposium for Krabbe & Leukodystrophy Families. Buffalo, NY. July 23-24, 2013.
392. **J. Kurtzberg**, Carolinas Cord Blood Bank (CCBB) Overview. Winnie Palmer Hospital (Grand Rounds). Orlando, FL. August 2, 2013.
393. **J. Kurtzberg**, “How does cord blood transplantation correct genetic & acquired brain injuries?” Association of Genetic Technologists. Durham, NC. September 2013.
394. **J. Kurtzberg**, “Cord blood and transplantation: Current and emerging applications”, San Francisco Gynecological Society Meeting, San Francisco, CA. October 8, 2013.
395. **J. Kurtzberg**, “An update on cord blood transplantation & banking.” Biennial Cerebral Palsy Academic Conference, New York, NY. October 20, 2013.
396. **J. Kurtzberg**, “Using cord blood to treat acquired brain injuries in childhood.” Biennial Cerebral Palsy Academic Conference, New York, NY. October 20, 2013.

397. **J. Kurtzberg**, “Nicord expanded hematopoietic progenitor cells can outcompete the unmanipulated cord blood unit following myeloablative dual hematological malignancies” ESH Word Cord Blood Congress, Monaco. October 24, 2013.
398. **J. Kurtzberg**, “Improving outcomes of cord blood transplantation by screening potency of cord blood units before release from the cord blood bank” ESH Word Cord Blood Congress, Monaco. October 25, 2013.
399. **J. Kurtzberg**, “Nicord expanded hematopoietic progenitor cells bridge hematopoiesis and facilitate engraftment after myeloablative chemotherapy for patients with sickle cell disease” ESH Word Bord Blood Congress, Monaco. October 26, 2013.
400. **J. Kurtzberg**, “Umbilical Cord Blood: Expanding opportunities for banking and clinical applications.” Wake Forest School of Medicine, Department of OBGYN, Winston-Salem, NC. November 18, 2013.
401. **J. Kurtzberg**, “State of the art in cord blood banking and stem cell clinical use.” Biosafe Latin America Opening Ceremony Event. Sao Paulo, Brazil. December 12, 2013.
402. **J. Kurtzberg**, “Development and characterization of the O-cell, a novel, cord blood-derived, bridging cell therapy for patients with lysosomal storage disease.” 4th Krabbe Translational Research Network, Fort Lauderdale, FL. March 13, 2014.
403. **J. Kurtzberg**, “An overview of the evolution of cord blood banking and transplantation,” Stem Cells in Science and Medicine Symposium, Riyadh, Saudi Arabia. April 23, 2014.
404. **J. Kurtzberg**, “Repurposing cord blood to treat genetic and acquired brain injuries.” Stem Cells in Science and Medicine Symposium, Riyadh, Saudi Arabia. April 23, 2014.
405. **J. Kurtzberg**, “Cord Blood: Non-hematopoietic based advances in the field.” Regenerative Medicine Foundation 2014 Conference, San Francisco, CA. March 5-7, 2014.
406. **J. Kurtzberg**, “Cord Blood Banking & Transplantation: from blood to brain.” Yale Cancer Center Grand Rounds, New Haven, CT. May 13, 2014.
407. **J. Kurtzberg**, “Cord Blood Transplantation for the treatment of inherited metabolic diseases.” 3rd Forum of Cell Therapy for Children’s Diseases. Beijing, China. May 23, 2014.
408. **J. Kurtzberg**, “Cord Blood Transplantation for the treatment of HIE.” 3rd Forum of Cell Therapy for Children’s Diseases. Beijing, China. May 23, 2014.
409. **J. Kurtzberg**, “The progress of Cord Blood Transplanation for children’s blood diseases.” 17th Conference of Chinese Pediatric Hematology & Oncology. Beijing, China. May 24, 2014.
410. **J. Kurtzberg**, Session 1B “Utilization of Multiple Autologous Cord Blood Infusions to Treat Children with Brain Injury.” 12th Annual International Cord Blood Symposium. San Francisco, CA. June 5, 2014.
411. **J. Kurtzberg**, Session 1B “Cord Blood to Treat CP in Children: What are the Pathways to Allogeneic Cell Therapies?” 12th Annual International Cord Blood Symposium. San Francisco, CA. June 5, 2014.
412. **J. Kurtzberg**, Session IIB: Moderator “Challenges and Opportunities for Resourcing, Financing and Regulating Development and Clinical Use of CORD Blood Products in Regenerative Medicine.” 12th Annual International Cord Blood Symposium. San Francisco, CA. June 5, 2014.
413. **J. Kurtzberg**, Session IX: Moderator “Cord Blood Banking Including Cost Considerations.” 12th Annual International Cord Blood Symposium. San Francisco, CA. June 7, 2014.

414. **J. Kurtzberg**, Session IX “The Perspective of a Cord Blood Banker.” 12th Annual International Cord Blood Symposium. San Francisco, CA. June 7, 2014.
415. **J. Kurtzberg**, “Metabolic disorders in the age of expanding newborn programs.” 2014 Canadian BMT Group Meeting. Halifax, NS. June 14, 2014.
416. **J. Kurtzberg**, “Cord Blood Derived Cellular Therapies for Acquired and Genetic Brain Injuries.” WFIRM Fundamentals of Regenerative Medicine Crash Course. Winston-Salem, NC. July 23, 2014.
417. **J. Kurtzberg**, “Advances in Cord Blood Banking and Transplantation: From Blood to Brain.” University of Chicago Hematopoietic Transplant Program Research Lecture Series. Chicago, IL. July 24, 2014.
418. **J. Kurtzberg**, “Novel cell therapy approaches to treat Krabbe Disease.” 2014 Hunters Hope Medical Symposium. Ellicottville, NY. July 29, 2014.
419. **J. Kurtzberg**, “The Potential of Umbilical Cord Blood to Treat Genetic and Acquired Brain Disorders.” Duke Children’s Hospital Department of Pediatrics Grand Rounds. Durham, NC. September 30, 2014.
420. **J. Kurtzberg**, “Catch that Cord – It’s a Game Changer.” Forsythe Medical Center. Winston-Salem, NC. October 1, 2014.
421. **J. Kurtzberg**, “Catching Cord Blood to Help the Brain: A Perspective in Cord Blood Banking and Novel Transplant Application.” 10th Anniversary Academic Symposium, Westchester Medical Center, Valhalla, NY. December 3, 2014.
422. **J. Kurtzberg**, “Catch the Cord – A Real Game Changer.” UNC Children’s Hospital, Grand Rounds, Chapel Hill, NC. December 28, 2014.
423. **J. Kurtzberg**, “Nicord expands haematopoietic stem cells and shortens time to engraftment in patients undergoing cord blood transplantation for haematological malignancies and sickle cell disease.” World Cord Blood Congress V & Innovative Cell Therapies, Monaco, March 5, 2015.
424. E. Gluckman, W. Arcese, E. Baudoux, S. Querol, **J. Kurtzberg**, J. Wagner, P Bianco, A. Altavilla, F. Mourou, Round Table Discussion. World Cord Blood Congress V & Innovative Cell Therapies, Monaco, March 6, 2015.
425. **J. Kurtzberg**, Session X Chair, Selected Abstracts for Oral Presentation, World Cord Blood Congress V & Innovative Cell Therapies, Monaco, March 7, 2015.
426. **J. Kurtzberg**, “The potential of cord blood to treat genetic and acquired brain diseases”, World Cord Blood Congress V & Innovative Cell Therapies, Monaco, March 7, 2015.
427. Regan D, **Kurtzberg J**, Spellman S. “Defining Potency of CB units and criteria for release: a panel discussion”. 13th International Cord Blood Symposium, San Francisco CA, June 11, 2015.
428. **Kurtzberg J**. “Results of a randomized, placebo-controlled trial of autologous CB in Cerebral Palsy”. 13th International Cord Blood Symposium, San Francisco CA, June 13, 2015.
429. **Kurtzberg J**. moderator: “Results of Clinical Trials using CB for Regenerative Medicine Indications” Session at the 13th International Cord Blood Symposium, San Francisco CA, June 13, 2015.

ANNUAL LECTURES

Dr. Kurtzberg delivers lectures on an annual basis to the following groups at Duke University Medical Center:

The Duke Pediatric Allergy and Immunology Division
The Microbiology/Immunology Medical Student Course MIC 330B
The Howard Hughes Program for Developing Scientists
The Duke Physician Assistant Program
The Clinical Laboratory Lecture Series
The Adult Bone Marrow Transplant Grand Rounds
Pediatric Grand Rounds
Pediatric Departmental Research Meeting
Medical Hematology/Oncology Lecture Series
The Medical Student Basic Science of Oncology Course - Tumor Immunology IMM 300
Center for Documentary Studies: Children and the Experience of Illness
Duke Comprehensive Cancer Center Summer on the Edge Program
Stem Cell Biology Course

CONSULTATIVE APPOINTMENTS

Grant Reviews:

National Cancer Center
Ad Hoc Grant Reviewer
1990

North Carolina Biotechnology Center
Ad Hoc Grant Reviewer
1991

American Society of Clinical Oncology-Study Section Reviewer
Clinical Research Career Development Awards + Young Investigator Awards
1991-1994

National Institutes of Health - Interagency Coordinating Committee Forum, The Hematology Subcommittee of the National Kidney, Urologic, and Hematologic Diseases
"Hematopoietic Stem Cells for Transplantation."
March 22, 1991

Food and Drug Administration's Office of Orphan Products Development
Ad Hoc Grant Reviewer
1991 - present

Chairman, ASCO Awards Committee

1993-94.

Special Review Committee, NIH Outstanding Investigator Grant Application 1 R35 CA49721-08.
November, 1993.

National Institutes of Health - Member site visit team: 1001CA65493-01 "Biology and Transplantation of the Human Stem Cell", Philip B. McGlave, MD. June 15-17, 1994.

Co-Chairman, National Cancer Institute Board of Scientific Counselors – Site visit to review the Pediatric Oncology Branch. October 28-30, 1998.

National Institutes of Health – member of grant review committee. Clinical Neuroplasticity and Neurotransmitters Study Section, 2007/01 Council CNNT, William Benzing, SRA.
October 2006.

National Institutes of Health – Study Section, Loan Repayment Program (LRP).
2009-present.

Chairperson, Scientific Sessions:

First International Umbilical Cord Blood Meeting
Session Moderator - "Immunologic Characterization of UCB"
November 8-11, 1993.

Keystone Symposium on Blood Cell and Bone Marrow Transplants
Co-organizer - Workshop on Cord Blood Transplantation
January 19, 1996.

Marrow Transplantation in Children Meeting #3 Program Committee
January 1997.

The International Society of Hematotherapy & Graft Engineering
Chair, Organizing Committee - Cord Blood Stem Cell Biology & Transplantation
June 1997.

International Symposium and Workshop on Cord Blood Transplantation
Organizing Committee
March 9-10, 1997.

The 17th World Congress of The Transplantation Society, Session 16
Bone Marrow Stem Cells
July 13, 1998

International Society for Hematotherapy and Graft Engineering (ISHAGE) 7th Annual Symposium
Cord Blood
June 14-17, 2001

International Society for Hematotherapy and Graft Engineering (ISHAGE) 7th Annual Symposium
Ex Vivo Expansion
June 14-17, 2001

International Bone Marrow Transplant Registry/Autologous Blood and Marrow Transplant
Registry/American Society for Blood and Marrow Transplantation Tandem Meeting
Organizing Committee
February 22-26, 2002

Hematopoietic Stem Cells and Gene Therapy Chair
14th Annual ISCT Meeting
May 20, 2008

Duke Translational Research Institute Ethics of Cellular Therapy Conference
Organizing Committee
June 16-17, 2008

The Use of Stem Cells for Regenerative Medicine and Tissue Repair Chair
15th Annual ISCT Meeting
May 6, 2009

Cord Blood Processing and Evaluation of Potency
7th Annual International Umbilical Cord Blood Transplantation Symposium
June 6, 2009

Technical Breakfast 6 – Cord Blood Thawing and Reinfusion from NMDP and Clinical Perspective
16th Annual ISCT Meeting
May 26, 2010

Basic Science and Preclinical Studies
8th Annual International Umbilical Cord Blood Transplantation Symposium
June 3, 2010

Session 2 - Prognostics
11th International Symposium of Mucopolysaccharide and Related Diseases
June 24, 2010

Scientific & Organizing Committee
World Cord Blood Congress, Marseille, France
November 4 – 7, 2010

Session IVb: Graft Facilitation
World Cord Blood Congress, Marseille, France
November 5, 2010

Regulation of Cord Blood Banking: Global Implications
17th Annual ISCT Meeting
May 18, 2011

Clinical Studies
10th Annual Cord Blood Symposium
June 23, 2011

10th Annual International Cord Blood Symposium
Chair – Session IIA: “Stem Cells and the Future of Regenerative Medicine”
June 7, 2012

World Cord Blood Congress
Organizing Committee
2011, 2012, 2013, 2015

11th Annual International Cord Blood Symposium
Chair – Session VII: “Barriers to Increasing Cord Blood Unit Transplants”
June 8, 2013

International Cord Blood Symposium
Organizing Committee
2010, 2011, 2012, 2013, 2014

Pediatric Academic Societies Annual Meeting
Co-chair – Session (TBD): “Cord Blood Cells: Biology, Banking and Future Pediatric Clinical Applications”
San Diego, CA. April 25-28, 2015

ISCT 2015 Annual Meeting
Co-chair – Session (TBD) HSC Committee
Las Vegas, NV. May 27-30, 2015

ISCT: Cord Blood Pre-Conference Workshop
Las Vegas, NV. May 26, 2015

Consultative Appointments and Committees:

Consultant - Enzon, Incorporated; Piscataway, NJ
"Treatment of malignancies with Polyethylene Glycol-conjugated enzymes"
1988 - 1893

Scientific Advisory Board - Biocyte Corporation; New York, NY
"Human umbilical cord blood transplantation"
1992 – 1996

Medical Advisor for Organ Transplantation – The Children’s Transplant Association.
1992 – present

Scientific Advisory Board - The New York Blood Center; New York, NY
Placental Blood Project. 1992 - present (first meeting 1/11/93)

Scientific Advisory Committee - Specialized Research Center on Primary and Metastatic Tumors of the CNS (NS20023-11). Duke University Medical Center, Durham, NC.

Co-Chairman, Regulatory Affairs Committee - International Society for Hematotherapy and Graft Engineering. 1993 - present

Member, Alternative Sources Committee - International Society for Hematotherapy and Graft Engineering. 1993 - present

Scientific Advisory Board - The Pediatric Research Institute: Cord Blood Advisory Board. 1994 - present

Member, Subcommittee on Unrelated Umbilical Cord Blood Transplantation – National Marrow Donor Program. 1994 – present

Medical Advisory Board – Childhood Leukemia Foundation. September 1995 – present

Board of Scientific Counselors, Subcommittee - Division of Clinical Sciences at the NCI. 1996 - 1999

Member, Pediatric Oncology Chief Search Committee - National Cancer Institute (NCI) 1996 – 1998

Member, Medical Advisory Board - The National Children’s Cancer Society, Inc. 1996 - present

Member, Legal and Regulatory Affairs Committee - The International Society for Hematotherapy & Graft Engineering (ISHAGE). 1997 – 2001

Pediatric Oncology Group (POG) 1998-2000 ALL Transition Committee
Children’s Cancer Study Group (CCG)

Co-Chairman, Cord Blood Committee - The International Society for Hematotherapy & Graft Engineering (ISHAGE). 1998 - 2001

Member, Biological Response Modifiers Advisory Committee - Department of Health & Human Services. Food and Drug Administration. 1998 - 2002

Cord Blood Allocation Review Committee Member, Cord Blood Transplantation (COBLT) Study – NHLBI/NIH. 1998 – present

Steering Committee Member, Cord Blood Banking & Transplantation (COBLT) Study – The EMMES Corporation. 1998 – present

Case Reviewer, Medical Care Management Corporation – Medical Care Ombudsman Program. 1998 – present

Blue Quality Centers for Transplant (BQCT) Bone Marrow/Stem Cell Transplant Advisory Panel – Blue-Cross Blue-Shield Association. April 1999 - present

Scientific Subcommittee on Pediatric Hematology – The American Society of Hematology. 1999 – 2008

Credentialing Process for Prescribing Thalidomide – The Office of Continuing Medical Education, Duke University Medical Center. June 14 – 16, 1999

ISHAGE Annual Meeting Organizing Committee – The Society for Hematotherapy & Graft Engineering. June 1999 – June 2000

ISHAGE Progenitor Expansion Scientific Subcommittee – International Society for Hematotherapy and Graft Engineering. June 1999 – June 2000

Inspector for FACT – Foundation for the Accreditation of Hematopoietic Cell Therapy. August 1999 – present

FACT Cord Blood Standards Subcommittee – Foundation for the Accreditation of Hematopoietic Cell Therapy. August 1999 – present

T-Cell ALL Protocol Development Taskforce. Children’s Oncology Group. 2000-present

Gamida Cell, Ltd. Scientific Advisory Board. March 2000 - present

Children’s Oncology Group Appointment to the A5971 Study Committee: Randomized Phase III Study for the Treatment of Newly Diagnosed Disseminated Lymphoblastic Lymphoma and Large Cell Lymphoma or Non B Cell Origin. May 2000 – 2005.

Biological Response Modifiers Advisory Committee – Food and Drug Administration. July 2000-March 2004

Center for AIDS Research - Duke University Medical Center. July 1, 2000 – June 30, 2001

StemCyte, Inc. – StemCyte Taiwan Co., Ltd. – Cord Blood Bank for Asia – December 1, 2000 – present

ISHAGE Advisory Board Member – International Society for Hematotherapy and Graft Engineering. June 2000 – June 2001.

ISHAGE Cytotherapy Editorial Board Member – International Society for Hematotherapy and Graft Engineering. June 2000 – June 2001.

EMMES Corporation Immune Reconstitution Subcommittee - T Cell Depletion Trial Medical Coordinating Center. June 2000 – June 2002.

Children’s Oncology Group (COG) 2001-2002 ALL Core Committee
BMT Core Committee
Co-chair, T-cell Working Group

International Society for Cellular Therapy 2003 Annual Meeting Planning Committee. January 2002 – December 2003

Children’s Oncology Group T-Cell Task Force Committee Leader. January 2002 – present

NIH Cord Blood Transplantation Study (COBLT) Publications Committee. March 2002 – present

First International Symposium on Childhood and Adolescent Non-Hodgkin’s Lymphoma – Organizing Committee Member. May 2002 – 2003

NIH/NHLBI Bone Marrow Transplant Clinical Trials Network Insurance Committee – Committee Chair. July 2002 – present

American Society of Pediatric Hematology/Oncology – Member, Corporate Liaisons Committee, April 2003 to present

National Marrow Donor Program (NMDP) Cord Blood Committee – Committee Co-Director. December 2003 – present

National Marrow Donor Program (NMDP) Cord Blood Banking Quality Subcommittee – Committee Member, December 2003 – present

National Marrow Donor Program (NMDP) Cord Blood Banking IS/IT Subcommittee – Committee Chair, December 2003 – present

National Marrow Donor Program (NMDP) Board of Directors – Member
December 2003 – November 2005

Texas Cord Blood Bank (San Antonio, TX) Advisory Board – Member
January 2004 – June 2005

International Society for Cellular Therapy (ISCT) Hematopoietic Stem Cell Committee – Member
February 2004 – present

NetCord-FACT Standards Revision Committee – Member
September 2004 – present

Leukemia and Lymphoma Society – Eastern North Carolina Chapter Board of Trustees – Member
October 2004 – 2009

National Marrow Donor Program (NMDP) – Consultant to transplant center physicians and coordinators evaluating cord blood transplantation as an option for their patients. October 2004 – present.

FDA Oncologic Drugs Advisory Committee – Committee Member, December 1, 2004

Pinnacle Care International (Baltimore, MD) Medical Advisory Board – Member
July 2005-present

Caterina Marcus Foundation (New York City, NY) Medical Advisory Board – Member
July 2005-present

National Marrow Donor Program (NMDP)Transplant Center Core Contingency Network – Member
September 2005 – present

Fourth Annual Umbilical Cord Blood Transplantation Symposium – Program Committee Member
October 2005 – May 2006

FACT Board of Directors – Member
January 1, 2006 – 2015

Singapore Cord Blood Bank International Advisory Panel – Member
December 2005 – present

Saving Baby Grace Foundation Board of Directors – Member
January 2006-present

New York State Newborn Screening Program for Krabbe Disease
Advisor 2006-present

American Society of Hematology – Expert Contact for Media Interviews
May 2006 – present

Health Corner television series – Medical advisor
July 2006 – present

CIBMTR Stem Cell Therapeutic Outcomes Database Data Advisory Group
2006 - present

CIRM Scientific and Medical Research Funding Working Group – Working group member
April 2007 – present

International Society for Cellular Therapy –Member, Planning Committee
2007 - present

A Parent’s Guide to Cord Blood Banks - Member, Board of Scientific and Medical Advisors

U.S. Department of Health and Human Services Advisory Council on Blood Stem Cell Transplantation – Member, January 2008 to Present

Joanne Pang Foundation - Honorary Chair
August 2008 to present

The Bone Marrow Foundation Medical Advisory Board – Member
October 2008 to present

Internal Advisory Committee for the NIH/HCI SPORE in Brain Cancer (P50 CA108786-06) – Member
August 2008 to present

NetCord Executive Committee – Counselor for Transplant Center Relations
April 2009 to present

U.S. Department of Health and Human Services Advisory Council on Blood Stem Cell Transplantation Work Group on Cord Blood Collections – Member
May 2009 to present

U.S. Department of Health and Human Services Advisory Council on Blood Stem Cell Transplantation Work Group on Realizing the Potential of Cord Blood – Member
May 2009 to 2015

PBMTC Finance Committee – Member
February 2010 to present

NBSTRN LSD Workgroup – Member
March 2010 to present

Society for Clinical and Translational Science – Member
January 2010 to present

FACT Regenerative Medicine Task Force – Member
August 2010 to present

Duke Translational Research Institute Pilot Project Advisory and Oversight Committee – Member
November 2010 to present

National Marrow Donor Program (NMDP) Fundraising Committee – Member
January 2011 to present

National Marrow Donor Program (NMDP) Cord Blood Accreditation Committee – Co-chair
2011 to present

National Marrow Donor Program (NMDP) Cord Blood Processing, Selection, and Release Standards Subcommittee – Co-Chair
2011 to present

Florida Hospital for Children Pediatric Stem Cell Transplantation Program Advisory Panel – Member
February 2011 to present

Allogeneic Hematopoietic Stem Cell Transplantation for Mitochondrial Neurogastrointestinal Encephalomyopathy International Collaborative Trial (AHSCT for MNGIE) DSMB Chair - Member
January 2012 to present

Pediatric Disease Committee (BMT Clinical Trials Network) – Member
March 2013 to present

CTRM Committee – Member
September 2012 to present

A-T Neuroscience and Drug Discover forum – Consulting member
November 2012

NIH Blood Symposium – Consulting member
November 2012

KATZ Foundation, CCBB Presentation and Overview. Atlanta, GA.
October 26, 2012.

Stemcyte Cord Blood Bank - Medical Advisor
2008-2013

CIRM Grants Working Group – Consulting member
January 25, 2013 – 2017

FATE Therapeutics - Consultant
November 2013

A&T Neuroscience and Drug Discovery Forum – Consultant
November 2013

11th Annual International Cord Blood Symposium – Chairperson, Regenerative Medicine
June 2013

Cord Blood Physicans Conference – Working Group Leader
August 2013

Congressional Legislative Meeting – Advisor
July 2013

FACT Ask-A-Peer
2013

ASBMT Inter-Organizational Initiative – Representative
2014

American Society of Hematology (ASH) Media Experts Subcommittee - Member
January 2014 - January 2016

World Cord Blood Congress V & Innovative Cell Therapies in Non Malignant Diseases, Scientific Committee
2014-2015

Cord Blood Processing, Selection, and Release Standards Subcommittee – Co-Chair
2014

Cord Blood Bank Steering Committee - Member
2014

FACT Professional Relations Committee – Representative (NETCORD)
2014

Merck External Data Monitoring Committee (eDMC) – Member
2013 to present

FACT Regenerative Medicine and Cellular Therapy - Co-Chair
2014

FACT Haematopoietic Stem Cell (HSC) Committee – Co-Chair
2015

Duke Translational Advisory Committee – Member
2014

Thesis Defense Committee – Member

Mieke Aldenhoven

Hematopoietic-Cell Transplantation in Hurler Syndrome; Optimizing the Safety and Efficacy.

Jan. 15, 2015

Health and Human Services Advisory Committee on Heritable Disorders; Technical Expert Panel for Review of Newborn Screening for X-Linked Adrenoleukodystrophy – Expert Advisor.
2015.

Novartis Pharmaceuticals Advisory Board – Consultant. 2015.

Save the Cord Foundation Scientific Advisory Board – Member. 2015.

Editorial Boards:

Journal of the International Society of Pediatric Oncology, 1993 - present

Blood, *Journal of the American Society of Hematology*, December 1997 – present

Stem Cells, 2001 - present

Cytotherapy, *Journal of the International Society for Hematotherapy & Graft Engineering*, 1999 – 2001

Hematotherapy, *Journal of the International Society for Hematotherapy & Graft Engineering*

Stem Cells and Translational Medicine, 2011-present

Stem Cells International, 2014 to present

Cell and Gene Therapy Insights, 2015

Manuscripts reviewed for following journals:

American Journal of Medical Genetics

American Journal of Medicine

American Journal of Obstetrics and Gynecology

American Journal of Pediatric Hematology/Oncology

American Society of Hematology

Blood

Blood and Marrow Transplantation

Bone Marrow Transplant

Cancer

Cancer Research

Cytotherapy

Experimental Hematology

Hematotherapy

Human Immunology

The International Journal of Pediatric Hematology/Oncology

Journal of Hematotherapy

Journal of Immunology

Journal of the International Society of Pediatric Oncology
Journal of Pediatrics
Medical and Pediatric Oncology
Medical Letter
Nature
Nature Reviews Cancer
Neuro-Oncology
New England Journal of Medicine
Oncology
Pediatric Blood and Cancer
Pediatrics
Proceedings of the National Academy of Sciences
Stem Cells
Transfusion
Stem Cells and Translational Medicine

PROFESSIONAL AWARDS AND SPECIAL RECOGNITIONS

Alpha Omega Alpha, 1975
 Who's Who Among American Medical Students, 1975
 Basil O'Connor Starter Scholar Research Award, 1985-1987
 Fellow, Leukemia Society of America, 1984-1986
 Special Fellow, Leukemia Society of America, 1986-1989
 Scholar, Leukemia Society of America, 1989-1994
 R. Wayne Rundles Award for Excellence in Cancer Research; 1993
 Dr. John J. Kenny Award, Leukemia Society of America, 1998
 Relay for Life Award, American Cancer Society, 1999
 Hunter's Hope Lifetime Commitment Award, 2003
 Tree of Life Award, Leukemia and Lymphoma Society, 2004
 Children's Miracle Achievement Award, 2005
 YWCA Academy of Women Inductee, 2006
 Physician Award for Leadership in Patient Care and Safety, Duke University Hospital, 2007
 Health Care Innovator Award - putting innovation and compassion to work to improve the human condition - *The Triangle Business Journal*, 2007
 Kristjan Ragnarsson Angel Award, 2009.
 Health Care Hero, *The Triangle Business Journal*, 2011
 Pediatric Blood and Marrow Transplant Consortium Lifetime Achievement Award, 2011
 Sarah Lawrence College Citation Award for Achievement, 2012
 William Cullen Bryant Award, New York Medical College, 2014
 Association of American Physicians, 2015

ORGANIZATIONS AND PARTICIPATION

Fellow: American Academy of Pediatrics	1982-present
Member: Hematology/Oncology section (1991)	
#129654	
North Carolina Pediatric Society	1982-present
Pediatric Oncology Group, Full Member	1982-2001
Southern Society Pediatric Research	1983-present

American Federation of Clinical Research	1984-present
American Society of Clinical Oncology #13904	1985-present
American Association for Cancer Research #4175	1986-present
Society for Pediatric Research	1988-present
American Society of Hematology #124486	1991-present
Pediatric Oncology Group	
T-cell Planning Committee	1991-present
Core Committee, New ALL	1991-present
Phase I Working Group	1992-present
BRM Core Committee	1993-present
American Society of Pediatric Hematology/ Oncology	1993-present
International Society for Cellular Therapy	
American Society for Blood and Marrow Transplantation #00223	1994-present
Childhood Leukemia Foundation Medical Advisory Board	1995-present
International Bone Marrow Transplant Registry	1997-present
Children's Oncology Group	
Acute lymphoblastic Leukemia Disease Committee	2001-present
Working Group on Human Trials of Stem Cell Based Interventions	2005-present

TEACHING RESPONSIBILITIES INCLUDING CONTINUING EDUCATION:

Medical Student Lectures and Teaching:

Dr. Kurtzberg presents lectures to the medical students enrolled in the Pediatric Clerkship (both the In-Patient and Out-Patient Services). She is a faculty member of Duke University's Summer Biomedical Science Institute, as well as a faculty member of the Medical Immunology Course for third year medical students giving 1-2 lectures on bone marrow transplantation per year. She is a regular preceptor in the Immunology Study Program and has precepted a third year medical student in her laboratory for four years. In 2007, Dr. Kurtzberg established the CCBB internship program. Each year, 6 students are awarded internship. They work for the CCBB and also attend 2-4 lectures quarterly.

1989-90	Mary Hebert	
1991-92	Lee C. Gravatt	Howard Hughes Fellow
1992-93	Carolyn Clark	
1993-94	Andrea Monroe	Applicant for Howard Hughes Fellow Program
1993-95	Pat McClosky	UNC CH Ph.D. Committee
1994-95	Robert Prosnitz	
1997-98	Eleni Boussios	Duke University
2000-2002	Katy Hobbs	Duke University
2002-present	Heidi Schumacher	Duke University
Summer 2003	Jennifer Cheesborough	Duke University
January 2004	Page Inman	Duke University (1 st year Med)

2004	Marcella Daniel	Duke University
2004-2005	Michele Blank	Duke University (3 rd year Med)
2003-2006	Jill Panosian	Duke University
2004-2005	Laura Downey	Duke University (1 st year Med)
2005	Staci Arnold	Duke University (4 th year Med)
2005	Shellie Kendall	Duke University (3 rd year Med)
2005	Julie Carland	Duke University
2005-2006	Elizabeth Duke	Duke University
2006-2007	Deirdre Buckley	UNC-CH grad (pre-med)
2006	Ripal Shah	CAPE Program student
2006	Iman Washington	CAPE Program student
2006	Rachel Cohen	CAPE Program student
2006	Lisa Richards	CAPE Program student
2006	Kara Dolezal	CAPE Program student
2006	Hillary Linton	CAPE Program student
2006	Emily Waner	CAPE Program student
2006	Meredith McAdams	Duke Summer Med Mentoring Prog
2006	Alanna Teng	Duke University HCEP student
2007	Cameron Williams	CAPE Program student
2007	Alexandra Stein	CAPE Program student
2007	Megan MacKenzie Borland	CAPE Program student
2007	Caitlin Klaas	CAPE Program student
2007	Alexa Kathleen Namba	CAPE Program student
2007	Katie Lattimore	CAPE Program student
2007	Cassidy Powers	CAPE Program student
2007	Julia Chapman	Duke University
2008	Patrick Pilie	Duke University (1 st year Med)
2008	Harshada Rajani	Duke University (1 st year Med)
2008	Marc Samsky	CAPE Program student
2008	Shannon Skinner	CAPE Program student
2008	Julia Chapman	CAPE Program student
2008	Nico Bollerslev	CAPE Program student
2008	Kendall Bradley	CAPE Program student
2008	Liz Bellew	CAPE Program student
2008	Cat Gordon	CAPE Program student
2008	Jennifer Ho	CAPE Program student
2008	Marian Dickinson	CAPE Program student
2008	Aubrey Bonhivert	CAPE Program student
2008	Michelle Seibert	CAPE Program student
2008	Shae Anderson	CAPE Program student
2008	Kelly Hathorn	CAPE Program student
2008	Priya Khatri	CAPE Program student
2008	Holly Kokinda	CAPE Program student
2009	Nick Tsipis	CAPE Program student
2009	Christina Falcone	CAPE Program student
2009	Cassie Ludwig	CAPE Program student
2009	Laurel Sisler	CAPE Program student
2009	Allie Speidel	CAPE Program student
2009	Lauren Galinat	CAPE Program student
2010	Christie Klauberg	CAPE Program student

2010	Kaitlin Ray	CAPE Program student
2010	Chantel Morey	CAPE Program student
2010	Maria Surauez	CAPE Program student
2010	Emily Schwitzer	CAPE Program student
2010	Tara Jennings	CAPE Program student
2010	Khadijah Bhatti	CAPE Program student
2010	Emily Schwitzer	CAPE Program student
2011	Molly Mack	CAPE Program student
2011	Mary Johnston	CAPE Program student
2011	Alexis Barnes	CAPE Program student
2011	Laura Guth	CAPE Program student
2011	Rae Dong	CAPE Program student
2011	Esther Veermer	CAPE Program student
2011	Devon Gagliardi	CAPE Program student
2011	Rachel Jennings	CAPE Program student
2011	Sophia Dunworth	CAPE Program student
2011	Liz Scott	CAPE Program student
2011	Ellie Proussaloglou	CAPE Program student
2011	Ania Oddone	CAPE Program student
2012	Mollie Pathman	CAPE Program student
2012	Dana Morin	CAPE Program student
2012	Kate Toth	CAPE Program student
2012	Eneka Lamb	CAPE Program student
2012	Colette Whitney	CAPE Program student
2012	Talia Glodjo	CAPE Program Student
2013	Becky Breese	CAPE Program Student
2013	Jenn Denike	CAPE Program Student
2013	Francesca Tocci	CAPE Program Student
2013	Valentine Esposito	CAPE Program Student
2013	Alina Khurgel	CAPE Program Student
2013	Rebecca Spicehandler	CAPE Program Student
2013	Emily Davis	CAPE Program Student
2013	Camille Mathey-Andrews	CAPE Program Student
2013	Destiny Roseman	CAPE Program Student
2014	Katherine Plevka	CAPE Program Student
2014	Elizabeth Howell	CAPE Program Student
2014	Maggie Deichmeister	CAPE Program Student
2014	Elizabeth Williams	CAPE Program Student
2014	Allison Dorogi	CAPE Program Student
2014	Lindsey Olivere	CAPE Program Student
2014	Tara Dalton	CAPE Program Student
2014	Anastasia Hunt	CAPE Program Student
2014	Olivia Bergesen	CAPE Program Student
2014	Ester Goldfeld	CAPE Program Student
2014	Karolina Wadolowska	CAPE Program Student
2014	Mahsa Taskindoust	Duke University
2014	Aruni Gunaratne	Duke University

CCBB Internship:

2007	Kristin Seiler
2007	Stephanie Dreyfuss
2007	Jovana Pavisic
2008	Debbie Leech
2008	Katie Yang
2008	Yi “Claire” Zhang
2008	Kim Cocce
2009	Josh Cho
2009	Rose Li
2010	Kelly Adamski
2010	Brittany Beel
2010	Julia Hickey
2010	Jenny Zhou
2010	Kimberley Levitt
2011	Joshua Chao
2011	Sonia Kothadia
2011	Youmna Sherif
2011	Kathelyn Donaldson
2011	Kathy Chu
2011	Eliza Cabrera
2012	Joy Ogunmuyiwa
2012	Krystina Quow
2012	Evan Schwartz
2012	Scott Widemon
2012	Russell Hollis
2012	Nithin Pusapati
2013	Nkeiruka Umeh
2013	Bittany Zulkiewics
2013	Quincy Drye
2013	Napur Gulati
2013	Brandon Metra
2013	Brandee Branche
2014	Leon Cal
2014	Michael Shaughnessy
2014	Russell Hollis
2014	Rishav Adhikari

Teaching Conferences:

Dr. Kurtzberg presents lectures in the Pediatric House Staff Noon Conference Series and Pediatric Grand Rounds. She also lectures in the Physician Assistant Training Program and gives monthly lectures to the Pediatric Clinic Nursing Staff. She speaks at the Pediatric Allergy/Immunology seminar, Rheumatology and Immunology seminar, Pediatric Bone Marrow Transplant monthly educational conference, the Clinical Laboratory Seminar Series, the Pediatric Bone Marrow Transplant “Food for Thought” lecture series, and the Adult Bone Marrow Transplant conferences on a yearly basis. **Dr. Kurtzberg** has also been invited to give seminars to the Residents in Dermatology, OBGYN and Pathology transfusion medicine.

Individual Medical Student and Resident Teaching:

As an integral part of her clinical responsibilities, **Dr. Kurtzberg** is involved in

individual medical student and resident teaching in general pediatrics, hematology (including microscopy of peripheral blood and bone marrow smears), oncology, hematopoiesis and hematopoietic growth factor therapy, and bone marrow transplantation. **Dr. Kurtzberg** coordinated the Pediatric Resident Laboratory rotation for senior residents during 1990-1991. She also precepts CAPE & CCBB interns on an annual basis.

Continuing Education:

Within the institution, **Dr. Kurtzberg** regularly attends and participates in the departmental conferences listed above, as well as grand rounds and clinical conferences in other departments (including the following divisions in the Department of Medicine: oncology, hematology, rheumatology and immunology). She establishes, schedules speakers for and regularly attends, the monthly Pediatric Bone Marrow Transplant Educational Conference. She regularly attends the annual meeting of the American Association of Cancer Research, UCLA Symposia, the American Society of Hematology, and the American Society of Clinical Oncology, the American Society of Blood and Marrow Transplantation, the International Cord Blood Symposium, the International Society of Cellular Therapies, DIA Conferences, the American Association of Blood Banks where she presents papers, attends scientific sessions, and chairs sessions as listed under "Selected Abstracts" and "Consultative Appointments". She also attends and participates in the biannual meetings of the Pediatric Oncology Group.

Fellows Trained:

Dr. Kurtzberg has accepted Pediatric Oncology and Medical Oncology Fellows in her laboratory since 1988. She is currently listed as faculty on the training grants in Medical and Pediatric Oncology and Transplantation Biology. The following individuals have rotated through her laboratory since that time. Their time spent in the laboratory and current positions are listed below:

<u>Name</u>	<u>Affiliation</u>	<u>Dates of Training</u>	<u>Current Status</u>
G Kirkpatrick	Pediatric Oncology DUMC	1988-90	Primary Investigator Division of Hematology/Oncology Pediatric Oncologist NW Bryant Cancer Center Tulsa, OK
J Peterson	Medical Oncology UNC-CH	1990-91	Adjunct Professor Division of Hematology/Oncology UNC, Satellite office Sanford, NC
K Dunsmore	Pediatric Oncology DUMC	1989-91	Asst. Professor of Pediatrics Division of Hematology/Oncology University of Virginia Health Systems Charlottesville, VA
C Bruggers	Pediatric Oncology DUMC	1991-92	Associate Professor of Pediatrics Division of Hematology/Oncology University of Utah Medical Ctr Salt Lake City, UT

M Laughlin	Medical Oncology DUMC	1991-92	Director, Allogeneic Transplant Program Division of Hematology/Oncology Case Western Reserve University University Hospitals Ireland Can Ctr Cleveland, OH
M Lee	Medical Oncology DUMC	1993-95	Asst. Professor of Medicine Division of Hematology/Oncology Duke University Medical Center Durham, NC
M Hebert	Radiation Oncology DUMC	1992-94	Faculty; Treasure Coast Rad Onc Center Port St. Lucie, FL 34952
G McCowage	Pediatric Oncology DUMC	1994-96	Oncology Unit Division of Hematology/Oncology The New Children's Hospital New South Wales, Australia
M Lacaze	Pediatric Oncology DUMC	1995-00	Hematology/Oncology Texas Tech University Health Sciences El Paso, TX
S Castellino	Pediatric Oncology DUMC	1996-98	Asst. Professor, Pediatrics Wake Forest School of Medicine Winston Salem, NC
J Jaroscak	Pediatric Oncology UNC	1997-1999	Associate Professor, Pediatrics Division of Hematology/Oncology MUSC Health Charleston, SC
K Khan	Pediatric Oncology	1999-2001	Medical Oncologist Moses Cone Memorial Hospital Greensboro, NC
M Lacaze	Pediatric Bone Marrow Transplant	1999-2000	Private Practice Los Cruces, NM
G Kleiner	Pediatric Bone Marrow Transplant	2000-2001	Associate Professor of Pediatrics and Surgery University of Miami Miami, FL Pediatric Immunology and Allergy Joe DiMaggio Children's Hospital Hollywood, FL

K Crapnell	Pediatric Bone Marrow Transplant	2001-2004	Senior Scientist Becton Dickinson Research Triangle Park, NC
S Staba-Kelly	Pediatric Oncology	2000-2003 2003-2004	Pediatric Hematology/Oncology Arnold Palmer Hosptial for Children Orlando FL
J Hall-Aldrink	General Surgery	2002-2004	Pediatric and General Surgeon Ohio State University Columbus, OH
M. Mazur-Forour	Pediatric Hem/Onc DUMC	2004-2006	Chief, Pediatric Hematology/Oncology Madigan Army Medical Center Tacoma, WA
D Beam	Pediatric Hem/Onc DUMC	2004-2006	Asst. Professor Cook Children's Hospital Dallas, TX
S Lashminarayanan	Pediatric Bone Marrow Transplant	2005-2007	Pediatric Hematologist/Oncologist Kaiser Permanente Roseville Med Ctr Sacramento
K Page	Pediatric Hem/Onc DUMC	2006-2008	Asst. Professor PBMT Duke University Medical Center Durham, NC
C Davis	Pediatric Hem/Onc DUMC	2006-2008	Attending Physician MUSC Charleston, SC
E Tracy	General Surgery	2007-2009	Assistant Professor, Pediatric Surgery Duke University Medical Center Durham, NC
J Sun	Pediatric Hem/Onc	2008-2010	Medical Instructor Dept. of Pediatrics Hematology/Oncology Duke University Medical Center Durham, NC
K Shoulars	PBMT/CCBB	2008-2011	Post Doctoral Associate PBMT Duke University Medical Center Durham, NC

P Tewari	Pediatric Hem/Onc	2009-2011	Asst. Professor of Pediatrics Medical Director, Pediatric Cell Therapy MD Anderson Cancer Center Houston, TX
K Mahadeo	PBMT/CCBB	2010-2011	Asst. Professor, Clinical Pediatrics Children's Hospital Los Angeles, CA
R Caspari	Pediatric Hem/Onc	2009- 2013	Children's Mercy Hospital and Clinics Kansas City, MO
C Flores	PhD Post-doc Fellow	2009-2013	Asst. Professor, Dept. of Neurology Brain Tumor Immunotherapy Program University of Florida Gainesville, FL
S Patel	Pediatric Hem/Onc.	2012-	Peds Hem/Onc Fellow Duke University Medical Center Durham, NC
J Wishnew	Pediatric Hem/Onc	2011-2014	All Children's Hospital Tampa, FL
H Allewelt	Pediatric Hem/Onc	2012-	Peds Hem/Onc Fellow Duke University Medical Center Durham, NC
A McFarren	PBMT/CCBB	2013-2014	Asst. Professor of Clin Pediatrics Children's Hospital Los Angeles, CA

AREAS OF RESEARCH INTERESTS (BASIC AND APPLIED) - LIST:

1. Basic Research

- a. Cellular biology of the normal and malignant human lymphohematopoietic stem cell.
- b. Studies of the *in vitro* and *in vivo* actions of recombinant hematopoietic growth factors on lymphohematopoietic stem cells at the level of the hematopoietic progenitor cell.
- c. Abnormalities of hematopoiesis in congenital and acquired immunodeficiency syndromes.
- d. Chemoimmunoseparation of malignant cells from bone marrow of patients with malignant disorders, particularly T-cell lymphoid malignancies.
- e. Mechanisms responsible for Human Immunodeficiency Virus induced abnormalities of hematopoiesis.
- f. Umbilical cord blood transplantation.
- g. Umbilical cord blood banking.
- h. Umbilical cord blood derived stem cells.

- i Ex vivo expansion of umbilical cord blood derived stem and progenitor cells.
- j Immune reconstitution after umbilical cord blood transplantation.
- k. Umbilical cord blood derived neural cells.
- l. Umbilical cord blood derived endothelial cells.
- m. Preservation of Oligodendrocytes from human umbilical cord blood.
- n. How do cord blood cells facilitate CNS repair after genetic and acquired brain injury.
- o. Expansion and manufacturing of an “off-the-shelf” allogeneic hematopoietic bridging product from umbilical cord blood.
- p. Characterization of cord blood subsets mediating CNS repair.
- q. Identifying optimal clinical and technical characteristics of cord blood donors and cord blood units for unrelated donor banking.
- r. Optimizing cord blood transplantation for patients with sickle cell disease.
- s. Cord blood potency.
- t. Applications of cord blood in regenerative medicine.

2. Clinical Investigation – Cord Blood Cellular Therapies for Genetic & Acquired Brain Injuries.

- a. Purging of malignant cells from human bone marrow for use in autologous bone marrow transplantation.
- b. Stem cell infusion therapy to accelerate bone marrow reconstitution after myeloablative chemotherapy with or without bone marrow transplantation.
- c. Therapy of congenital and acquired hematocytopenias with human recombinant growth factors. (Co-PI: Therapy of severe neutropenia with recombinant human granulocyte-colony-stimulating-factor (G-CSF), Amgen Biologicals).
- d. PI: High dose intravenous gammaglobulin (Cutter Laboratories) therapy of immune mediated blood dyscrasias in children.
- e. Duke PI: Varicella vaccine in children with malignant diseases. Collaborative study with Dr. Anne Gershon, Columbia Presbyterian Medical Center and Merck.
- f. POG PI, Study 8494: A phase I study of fludarabine phosphate in children with refractory malignancies.
- g. POG PI: A phase III randomized study of the efficacy and toxicity of PEG-L-Asparaginase in children with relapsed acute lymphoblastic leukemia in 2nd relapse.
- h. Co-investigator on several studies to determine the efficacy and toxicity of therapy with human recombinant growth factors (G-CSF, GM-CSF, M-CSF, IL-1, IL-2, IL-3) in patients undergoing myeloablative chemotherapy with bone marrow support.
- i. PI: A randomized, phase III trial of human granulocyte colony stimulating factor GM-CSF (Sandoz Research Institute) in pediatric patients with aplastic anemia.
- j. PI: Pharmacokinetics and pharmacodynamics of PEG-L-Asparaginase (Enzon, Inc.) in patients hypersensitive to native E. Coli and/or Erwinia L-Asparaginase.
- k. POG PI, Study 9203: ALINC 16 Pilot study for patients with high-risk ALL.
- l. Associate investigator: A pediatric phase I evaluation of interleukin-3 given with the cytotoxic drug thiotepe. A collaborative effort of the Pediatric Branch, Division of Cancer Research, NCI; Children’s Hospital National Medical Center; Children’s Hospital of Los Angeles; Children’s Hospital of Orange County, and Duke University.
- m. POG PI, Study 9295: T-Cell #4; A pilot with PEG-L-Asparaginase.
- n. PI: Study 305 (Enzon): Pharmacokinetics and pharmacodynamics of PEG-L-Asparaginase in patients hypersensitive to native E. coli and/or Erwinia L-Asparaginase. A collaborative effort of Duke University, Pediatric Branch of Cancer Research, NCI, LA Children’s Hospital, University of Rochester, and Dana Farber Cancer Institute.

- o. Laboratory Investigator: SCF 9120 (Amgen): A phase I trial of recombinant methionyl human stem cell factor (r-metHuSCF) in patients with advanced non-small cell lung carcinoma given etoposide/carboplatin chemotherapy.
- p. PI: A study of recombinant human granulocyte colony-stimulating factor in patients with neutropenia and/or severe infections secondary to glycogen storage disease type IB; collaborative multi-institutional study sponsored by Amgen.
- q. Co-PI: GM-CSF priming of peripheral blood stem cells in autologous bone marrow transplantation in children (Immunex).
- r. PI: A pilot study of ex vivo T-cell purging with 2'-deoxycoformycin plus deoxyadenosine in patients with T-cell acute lymphoblastic leukemia and T-cell non-hodgkin's lymphoma undergoing autologous bone marrow transplantation.
- s. Co-PI: G-CSF priming of peripheral blood stem cells in autologous bone marrow transplantation in children (Amgen).
- t. PI: A Phase I study of 2-Amino-9-b-D-arabinofuranosyl-6-methoxy-9H-purine (compound 506) in children and adults with refractory hematologic malignancies. (Burroughs Wellcome).
- u. PI: POG ALinC 15 (9006C): Up-front intensive 6-mp/methotrexate vs up-front alternating chemotherapy for acute lymphocytic leukemia in childhood.
- v. PI: POG ALinC 16 (9406): Intensification of Intravenous Methotrexate and AraC in the Frontline Therapy of Children with Acute Lymphoblastic Leukemia with High Risk Features.
- w. PI: A pilot study of unrelated umbilical cord blood transplantation in children and adults with hematologic malignancies.
- x. PI: A pilot study of unrelated umbilical cord blood transplantation in adults and children with bone marrow failure syndromes or inherited metabolic or hematologic diseases.
- y. PI: A pilot trial of umbilical cord blood transplantation augmented with cord blood cells expanded *ex vivo*.
- z. PI: A Phase I study of 506U78 administered as a two hour infusion daily for three consecutive days in adult patients and as a two hour infusion daily over five consecutive days in pediatric patients with refractory hematologic malignancies.
- aa. PI: POG 9673: A Phase II study of compound 506 in patients with refractory T-cell malignancies- A POG/CCG Intergroup Study.
- bb. PI: A pilot phase I/II trial of megakaryocyte growth and development factor (MGDF) in umbilical cord blood.
- cc. PI: A compassionate use study of recombinant methionyl human stem cell factor (r-metHuSCF) in patients diagnosed with acquired or congenital bone marrow failure syndromes (Amgen).
- dd. PI: SCF 9201 (Amgen): A phase I/II trial of recombinant methionyl human stem cell factor (r-metHuSCF) in patients diagnosed with acquired aplastic anemia.
- ee. PI: SCF 9104 (Amgen): An open-label study of granulocyte colony stimulating factor (r-metHuG-CSF) for the long-term treatment of patients with severe chronic neutropenia previously exposed to r-metHuG-CSF.
- ff. PI: SCF 970261 (Amgen): A randomized controlled study of r-metHuSCF in newly diagnosed severe or very severe aplastic anemia patients receiving antithymocyte globulin (ATG), cyclosporine A, and filgrastim.
- gg. PI: The banking of umbilical cord blood stem cells for use in clinical research on transplantation of umbilical cord blood stem and progenitor cells (COBLT).
- hh. PI: Transplantation of banked umbilical cord blood stem cells for use in clinical research on transplantation of umbilical cord blood stem and progenitor cells (COBLT).
- ii. Co-investigator: Stromal effects on umbilical cord blood expansion.
- jj. PI: In vivo R-MetHuSCF + Filgrastim administration after umbilical cord blood allogeneic transplantation.
- kk. PI: Collection and banking of umbilical cord blood (American Red Cross).

- ll. Co-investigator: Clinical studies of cord blood in cord blood transplantation.
- mm. Co-investigator: Recombinant urokinase in the treatment of occluded central venous catheters.
- nn. Collaborator: Stromal effects on umbilical cord blood expansion.
- oo. Collaborator: Enumeration and isolation of human hematopoietic stem cells.
- pp. Co-investigator: Cardiovascular repair with umbilical cord cells.
- qq. PI: HAPLO/CORD: A prospective, phase I/II trial determining the efficacy and safety of allogeneic hematopoietic stem cell transplantation using banked unrelated umbilical cord blood supplemented with related, haplo-identical t-cell depleted stem cells in subjects with high risk malignancies.
- rr. PI: CTN0301: Phase I/II multi-center study of Fludarabine-based conditioning for allogeneic marrow transplantation from HLA-compatible unrelated donors in severe aplastic anemia.
- ss. PI: CTN0501: Multi-center, open label randomized trial comparing single versus double cord umbilical cord blood (UCB) transplantation in pediatric patients with high risk leukemia and myelodysplasia.
- tt. Co-Investigator: CTN0703: A phase II study of tandem autologous stem cell transplantation for patients with primary progressive or recurrent hodgkin's disease.
- uu. PI: Is autologous umbilical cord blood reinfusion beneficial in children with cerebral palsy: A randomized, blinded, placebo-controlled, crossover study.
- vv. PI: A randomized, placebo-controlled, multi-site phase 2 study evaluating the safety and efficacy of preemptive treatment with CMX001 for the prevention of adenovirus disease following hematopoietic stem cell transplantation (The ADV HALT trial). A screening protocol to identify patients with ADV viremia post allogeneic HSCT: A companion protocol to the clinical study.
- ww. PI: Autologous umbilical cord blood in infants with congenital hydrocephalus: A retrospective cohort study.
- xx. PI: Collection and characterization of umbilical cord blood units from premature deliveries.
- yy. PI: NMDP Non-fixed site collection pilot project.
- zz. PI: Treatment of early infantile-onset lysosomal storage diseases of fetal UCB.
- aaa. PI: Glycosphingolipid storage diseases/Tay Sachs-Sandoff study.
- bbb. PI: Auto mini-allo. Children's Hospital NY
- ccc. Co-Investigator: CTN0801: A Phase II/III randomized, multicenter trial comparing sirolimus plus prednisone, sirolimus/extracorporeal photopheresis plus prednisone, and sirolimus/ca;cineurin inhibitor plus prednisone for the treatment of chronic graft-versus-host disease.
- ddd. PI: Inherited metabolic disorders. University of Louisville
- eee. PI: A multicenter access and distribution protocol for unlicensed cryopreserved CBUs for transplantation in pediatric and adult patients with hematologic malignancies and other indications.
- fff. PI: Allogeneic stem cell transplantation of NiCord.
- ggg. PI: Notch mediated expansion of cord blood progenitors for stem cell transplant.
- hhh. PI: CTN1101: A multi-center, phase iii, randomized trial of reduced intensity (RIC) conditioning and transplantation of double unrelated umbilical cord blood (dUCB) versus HLA-haploidentical related bone marrow (Haplo) for patients with hematologic malignancies.
- iii. Co-Investigator: CTN1202: Prospective multi-center cohort for the evaluation of biomarkers predicting risk of complications and mortality following allogeneic HCT.
- jjj. Co-Investigator: CTN1202: Prospective multi-center cohort for the evaluation of biomarkers predicting risk of complications and mortality following allogeneic HCT.
- kkk. PI: CTN1204: Reduced intensity conditioning for children and adults with hemophagocytic Syndromes or selected primary immune deficiencies. (RICHI)
- lll. Co-Investigator: CTN 1205 ETRIC for hematopoietic cell transplantation clinical trials.
- mmm. PI: The Marcus Foundation Grant
- nnn. PI: Correlating TCR diversity to immune reconstitution after cord blood transplant.
- ooo. PI: A phase 1 trial of a single ProHema-CB product as part of single cord blood unit transplant after Busulfan/Cyclophosphamide/ATG conditioning for pediatric patients with inherited metabolic

- disorders.
- ppp. PI: Augmentation of UCB transplantation for inherited metabolic disease with intrathecal administration of human umbilical cord blood-derived oligodendrocytes-like cells. (DUOC-01).
- qqq. PI: Phase II trial of autologous cord blood in pediatric cerebral palsy.
- rrr. PI: ASD-001 Autologous UCB infusion for children with autism spectrum disorder.

EXTERNAL SUPPORT (PAST AND PRESENT) - GIFTS, GRANTS, AND CONTRACTS:

Purpose	Approximate Amount	Duration
1. Metabolic and genetic disease Training Grant - NIH	\$36,000	7/1/81-6/30/83
2. Duke Comprehensive Cancer Center - Development Funds	\$30,000	1/1/82-12/31/84
3. Institutional Research Grant - American Cancer Society.	\$6,000	11/10/83-11/9/84
4. Pilot project grant - The National Cancer Cytology Center. Regulation of hematopoietic stem cell differentiation by purine nucleosides and 2'-deoxycoformycin.	\$10,000	3/1/84-2/28/85
5. Junior faculty clinical fellowship- American Cancer Society.	\$18,000	7/1/84-6/30/86
6. Fellow of the Leukemia Society of America #30F. Nucleoside biochemistry and lymphocytic leukemias.	\$36,720	7/1/84-6/30/86
7. Basil O'Connor Starter Scholar Research Award - March of Dimes #5-516. Effects of Adenosine Deaminase deficiency on lymphocyte differentiation.	\$50,000	9/1/85-8/31/87
8. Cutter Biologicals research grant. The efficacy of IVIG in autoimmune mediated pediatric blood dyscrasias.	\$13,000	1985-1987
9. Special fellow of the Leukemia Society of America Effects of purine nucleosides on hematopoietic stem cell differentiation and lymphocytic leukemias.	\$87,000	7/1/86-6/30/89
10. Foundation for the Carolinas grant for purchase of equipment for the Pediatric Bone Marrow Research Laboratory.	\$5,500	1986
11. Fullerton Foundation Grant for purchase of	\$45,000	1986

equipment for the Pediatric Bone Marrow Research Laboratory.

12. National Cooperative Drug Discovery Group for Treatment of AIDS. Subproject: Bone Marrow Culture Core Facility.	\$19,500	9/1/86-8/31/91
13. Sandoz Research Institute #89-107. A phase I-II clinical trial of recombinant human granulocyte-macrophage colony stimulating factor.	\$100,000	1/1/87-ongoing
14. Research Grant #Ch-398 - American Cancer Society. Biology of the normal and malignant CD7+ lymphohematopoietic stem cell.	\$120,000	7/1/87-6/30/89
15. Gift - The Hardee's Food Corporation The hardee's children's bone marrow transplantation program at duke.	\$600,000	7/1/87-6/30/91
16. Gift - North Carolina Credit Union League Pediatric Bone Marrow Research Laboratory	\$414,000	6/87-6/93
17. Scholar, Leukemia Society of America Biology of the normal and malignant CD7+. lymphohematopoietic stem cell.	\$200,000	7/1/89-6/30/94
18. Research Grant Competitive Renewal American Cancer Society #CH-398A	\$129,000	7/1/89-6/30/91
19. Duke Comprehensive Cancer Center Core Support Grant 5-P30-CA-14236 Director, Hematopoiesis Shared Resource	\$200,000	1/1/89-12/31/93
20. Glaxo Research Laboratories Research Grant Chemotherapeutic induced alterations of hematopoiesis.	\$100,000	10/1/89-9/30/91
21. Bone Marrow Transplant Program Project Grant	\$140,000	4/1/90-3/30/93
22. Gift - Enzon, Inc. Pediatric Bone Marrow Fund	\$200,000	7/1/90-6/30/94
23. Clinical Study - Sandoz Research Institute: A randomized, phase III trial of human granulocyte-macrophage colony stimulating factor in pediatric patients with aplastic anemia.	\$23,225	7/1/90-6/30/91
24. Clinical Study - Enzon Inc. Pharmacokinetics and pharmacodynamics of PEG-L-asparaginase in patients hypersensitive to native E. coli and/or Erwinia L-asparaginase (Study 305).	\$75,000	3/01/91-2/28/94

25. Clinical Study - Immunex Corporation: GM-CSF priming of peripheral blood stem cells in autologous bone marrow transplantation in children.	\$20,000	3/15/92-5/15/94
26. Laboratory Investigator: SCF 9120 (Amgen): A phase I trial of recombinant methionyl human stem cell factor (r-metHuSCF) in patients with advanced non-small cell lung carcinoma given etoposide/ carboplatin chemotherapy.	\$132,320	5/21/92-5/20/93
27. Laboratory Investigator: TOP 9203 (Sandoz): A phase I/II trial of the simultaneous administration of SDZ ILS 969 (recombinant human interleukin-6) and neupogen following ICE chemotherapy in patients with advanced non-small cell lung carcinoma.	\$59,940	4/1/93-unknown
28. Principal Investigator: John Thompson, MD NIH Grant. Therapy groups to study T-cell depletion in unrelated donor marrow transplantation.	\$4,300.00	11/1/93-4/30/03
29. Principal Investigator: (Burroughs Wellcome) A phase I study of 2-Amino-9-B-D-Arabinosyl -Methoxy-9H-Purine (Compound 506) in children and adults with refractory hematologic malignancies.	\$200,000	6/1/94-10/31/96
30. Principal Investigator: POG 9406 - Associated Data Management - Pharmacokinetic Studies (Rhone-Poulenc-Rorer).	\$114,618	7/1/94-12/31/98
31. Principle Investigator: Kent Weinhold, Ph.D. DHHS. Viral control & immune reconstitution in HIV infection.	\$116,540	8/1/95-8/31/99
32. Laboratory Investigator: Rhone-Poulenc Rorer: PEG L-asparaginase pharmacology laboratory.	\$366,052	1/1/96-12/31/99
33. Principal Investigator: Rhone-Poulenc Rorer PEG L-asparaginase trials – data management.	\$226,060	1/1/96-12/31/99
34. Co-Investigator: Pediatric Oncology Group Studies.	\$24,600	1/1/96-12/31/00
35. Principal Investigator: NHLBI Collection and storage centers for clinical research on transplantation of umbilical cord stem and progenitor cells.	\$16,008,599	9/30/96-9/29/01
36. Principal Investigator: Glaxo Wellcome Phase I study of 506U78 administered as a one hour infusion daily for 3 consecutive days in patients with refractory hematologic malignancies.	\$36,462	4/1/97-12/30/98

37.	Clinical Study: Parker Hughes Biother Consortium A phase III pretransplant B43-PAP immunotoxin therapy in children with poor prognosis B-lineage acute lymphoblastic leukemia undergoing bone marrow transplantation.	\$206,250	9/1/97-8/31/01
38.	Principal Investigator: Aastrom Biosciences, Inc. A pilot trial of umbilical cord blood transplantation augmented with cord blood cells expanded ex vivo.	\$123,000	10/15/97-10/14/98
39.	Laboratory Investigator: Rhone Poulenc Rorer: L-asparaginase pharmacokinetics and pharmacodynamics in children with ALL.	\$185,034	1/1/98-12/31/98
40.	Principal Investigator: NHLBI Transplant center for clinical research on transplantation of umbilical cord stem and progenitor cells.	\$436,968	1/1/98-12/31/02
41.	Principal Investigator: Medsep Evaluation of the cord blood collection system. (Protocol 9702-004)	\$36,062	1/5/98-12/31/98
42.	Principal Investigator: Amgen A phase II trial of G-CSF + SCF to mobilize peripheral blood progenitor cells for bone marrow rescue after dose intensive chemotherapy in pediatric patients and young adults with high risk or recurrent solid tumors. (Protocol SCF-980154)	\$100,000	12/30/98-12/31/00
43.	Principal Investigator: Donna DiMichele, MD	\$26,950	7/1/98-6/30/00
44.	Principal Investigator: Aastrom Biosciences, Inc. A multicenter randomized controlled study for cord blood cells produced <i>ex vivo</i> using the aastrom replicell cell production system in pediatric patients with malignant disorders.	\$126,000	9/1/98-8/31/00
45.	The Great Human Race – sponsored by the Volunteer Center of Greater Durham	\$12,704	3/20/99
46.	Principal Investigator: Sequenom Ind Genomics Surplus Sample Agreement.	\$35,000	4/1/99-4/30/02
47.	Principal Investigator: Amgen A phase I/II trial of r-metHuSCF in patients diagnosed with aplastic anemia.	\$50,240	3/1/99-2/28/01
48.	Principal Investigator: Amgen A randomized controlled study of r-metHuSCF in newly diagnosed severe or very severe aplastic anemia	\$22,500	3/1/99-2/28/01

patients receiving ATG, CSA, and filgrastim.
(Protocol SCF-970261)

49.	Principal Investigator. Amgen A phase I/II trial of r-metHuSCF in patients diagnosed with aplastic anemia.	\$70,000	3/1/99-2/28/01
50.	Principal Investigator: Amgen A pilot study of in vivo r-metHuSCF + filgrastim administration after unrelated umbilical allogeneic transplantation. (Protocol SCF-980287)	\$37,500	4/1/99-3/31/01
51.	Principal Investigator: Medsep Corporation In vivo evaluation of stem cell recovery after freezing.	\$21,550	4/1/99-3/31/00
52.	Duke Comprehensive Cancer Center Core Support Grant 5-P30-CA-14236-26.	\$120,200	1/1/99-12/31/04
53.	Principal Investigator: Alan K. Smith, Ph.D. SBIR Grant: Stromal effects on umbilical cord blood expansion.	\$33,000	3/1/99-12/31/99
54.	Principal Investigator: Nelson Chao, MD Grant #HL62095-02: Cord blood transplantation in adult recipients.	\$100,836	4/1/99 – 3/31/02
55.	Principal Investigator. American Cancer Society Optimization of umbilical cord blood transplantation.	\$400,000	7/1/00-6/30/05
56.	Principle Investigator: David W. Schomberg, MD NCBC Science & Technology Development Program. Expansion of human umbilical cord blood stem cells of hematopoietic progenitor populations in ex vivo culture by reproductive hormones and growth factors.	\$55,000	7/01/00-06/30/01
57.	Principal Investigator: Alan K. Smith, Ph.D. SBIR Grant #: Stromal effects on umbilical cord blood expansion. Phase II	\$146,000	4/1/00- 7/31/03
58.	Principal Investigator: NIH 5U10-HL069274 Blood and Marrow Transplant Clinical Trials Network – Core Clinical Center.	\$3,992,734	9/30/01 – 6/30/17
59.	Principal Investigator: Nelson Chao, MD P01: Cord Blood Transplantation.	\$7,064,647	12/1/01 – 4/1/06
60.	Principal Investigator: Andrew Balber, Ph.D. Enumeration and Isolation of Human Hematopoietic Stem Cells – Phase I (SBIR).	\$8,000	7/1/02 – 1/1/03

61.	Principal Investigator: Doris Taylor, PhD Programmatic approach to cardiovascular cell therapy Project 2: Cardiovascular repair with umbilical cord cells.	\$11,484,638	7/1/03 – 6/30/08
62.	Principal Investigator: Pascal Goldschmidt, MD Doris Duke Clinical Interfaces Award 2003 Progenitor cell based therapeutic strategies for atherosclerosis.	\$80,000	10/1/03 – 3/31/05
63.	Principal Investigator: Trimper Family Foundation Funding research fellows and basic research in propagation of neural stem cells from cord blood.	\$250,000	4/26/04 - present
64.	Principal Investigator: CORDUS Cord Blood Bank Contract with a privately funded cord blood bank to provide banking services.	\$11,206,895	6/1/04 - present
65.	Principal Investigator: NMDP National Marrow Donor Program Carolinas Cord Blood Bank.	\$2,071,997	6/30/04 – present
66.	Principal Investigator: Aldagen Corporation A pilot trial of unrelated umbilical cord blood transplantation augmented with cytokine-primed aldehyde dehydrogenase-bright cells.	\$228,117	8/1/05 – 10/31/11
67.	Principal Investigator: HRSA HSH234200737002C National Cord Blood Inventory.	\$10,349,179	11/2/06 – 8/23/19
68.	Principal Investigator: Gamida Cell Gamida Cell-Teva Joint Venture Ltd. A multi-center, multi-national, historical cohort controlled study to evaluate efficacy and safety of transplantation of StemEx®, umbilical cord blood stem and progenitor cells expanded ex vivo, in subjects with hematologic malignancies following myeloablative therapy.	\$240,000	9/10/07-9/30/10
69.	Principal Investigator: Aldagen Corporation A phase III trial of ALDH-101 adjuvant therapy of unrelated umbilical cord blood transplantation (UCBT) in patients with inborn errors of metabolism.	\$279,456	3/01/09 – 11/30/10
70.	Principal Investigator: NMDP National Marrow Donor Program Non-Fixed Site Collection Pilot Program.	\$240,000	10/1/09 – 9/30/12
71.	Principal Investigator: Chimerix, Inc. Randomized, placebo-controlled multi-site phase II study evaluating safety and efficacy of preemptive treatment with CMX001 for	\$23,543	10/15/10 – 10/14/13

Prevention of adenovirus disease following HSCT.

72.	Principial Investigator: Legacy of Angels Infantile Krabbe Disease Research Program.	\$1,250,000	1/1/10 – 12/31/14
73.	Principial Investigator: Robertson Foundation Translational Cell Therapy Center.	\$8,924,333	1/1/10 – 12/31/13
74.	Principial Investigator: HRSA – HSH250201000012C National Cord Blood Inventory, Fifth Cohort.	\$2,472,744	9/09/10 – 8/24/22
75.	Principial Investigator: Robertson Foundation Clinical and Translational Cell Therapy Center.	\$2,876,194	11/15/11 – 11/14/14
76.	Principial Investigator: Gamida Cell Ltd. Allogeneic stem cell transplantation of NiCord.	\$392,036	4/1/12 – 3/31/15
77.	Principial Investigator: Alan Song, MD NIH 5R01-NS075017 High fidelity diffusion mri for children with cerebral palsy in stem cell therapy.	\$196,875	2/15/12 – 1/31/17
78.	Principal Investigator: Jessica Sun, MD Katz Foundation Medical Research Grant	\$205,000	1/1/13 – 12/31/14
79.	Principial Investigator: Catherine Hoyo, MD NIH 5R01-ES016772-05 Nutrition, deregulation of imprinted genes.	\$359,120	2/1/13 – 1/31/14
80.	Principal Investigator: FHCRC Fred Hutchinson Cancer Research Center Correlating TCR diversity to immune reconstitution after CBT.	\$26,905	4/1/13 – 3/31/15
81.	Principial Investigator: Fred Hutchinson Cancer Research Center Notch mediated expansion of cord blood progenitors for stem cell transplant.	\$100,863	5/1/13 – 4/30/17
82.	Principal Investigator: Perkin-Elmer ASD-001 Autologous UCB infusion for children with autism spectrum disorder.	\$664,062	1/1/14 – 12/31/15
83.	Principal Investigator: The Marcus Foundation The Marcus Foundation Grant.	\$15,319,451	5/1/14 – 6/30/16

Pending:

1.	Principal Investigator: Akron Biotechnology, LLC	\$57,249	1/31/14 – 12/31/14
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Development of Cryopreservation Reagents for
Banking Thymus Tissue for Transplant

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| 2. | Principal Investigator: Fate Therapeutics | \$212,430 | 12/1/14 – 11/30/16 |
| | A phase 1 trial of a single ProHema-cord blood product as part of single cord blood unit transplant after Busulfan/Cyclophosphamide/ATG conditioning for pediatric patients with inherited metabolic disorders. | | |