

CURRICULUM VITAE

Date: November 18, 2008

Name: William D. Roberts

Education:

Fellowship Pediatric Hematology/Oncology
7/89 – 6/92
Children's Hospital Los Angeles/University of Southern
California
Los Angeles, CA 90027

Residency Pediatrics
6/86 – 6/89
Rhode Island Hospital/Brown University
Providence, RI 02906

Medical School Sackler School of Medicine
9/82 – 5/86
American Program, Tel Aviv University
Tel Aviv, Israel.

Undergraduate B.S., Biology – Cum Laude
9/76 – 5/80
Loyola Marymount University
Los Angeles, CA 90045

Licensure and Certification:

April 1989 California State Medical License

October 1989 American Board of Pediatrics – General Pediatrics
Recertification – 1996 to 2003

November 1996 American Board of Pediatrics – Pediatric
Hematology/Oncology
Recertification – 2004 to 2010

Present Employment:

Vice President/Medical Director
Children's Specialists San Diego, 01/08 – Present

Director, Division of Hematology/Oncology, 1/07 – Present
Department of Pediatrics, UCSD School of Medicine

Medical Director of Ambulatory Services
Rady Children's Hospital San Diego, 1/06 – Present

Director, Division of Hematology/Oncology, 7/00 – Present
Children's Specialists San Diego Medical Group
Rady Children's Hospital San Diego

Hematologist/Oncologist, 7/92 – Present
Children's Specialists San Diego Medical Group
Rady Children's Hospital San Diego

University Service:

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| 2008 – Present | Clinical Professor of Pediatrics, Non-Salaried, UCSD School of Medicine |
| 2007 – Present | Director, Division of Hematology/Oncology, Department of Pediatrics, UCSD School of Medicine |
| 2007 – Present | Director, Pediatric Hematology/Oncology Fellowship UCSD/Rady Children's Hospital San Diego |
| 2006 – Present | Specialized Cancer Unit Leaders Committee, UCSD Cancer Center Co-Director of Pediatric Specialized Cancer Unit |
| 2006 | Research Task Force, UCSD Department of Pediatrics/Rady Children's Hospital San Diego |
| 2006 – Present | Intern Selection Committee, Department of Pediatrics, UCSD |
| 2005 | Nephrology Division Director Search Committee, UCSD/CSSD |
| 2005 | Cardiology Division Director Search Committee, UCSD/CSSD |
| 2005 | Residency Committee, Department of Pediatrics, UCSD |
| 2005 | Radiation Oncology Search Committee, UCSD School of Medicine |
| 2005 & 2006 | Funding Committee, Cindy Matters Fund/San Diego Padres Foundation/UCSD Foundation |
| 2004 – 2008 | Associate Clinical Professor of Pediatrics, Non-Salaried, UCSD School of Medicine |
| 1993 – 2004 | Assistant Clinical Professor of Pediatrics, Non-Salaried, UCSD School of Medicine |
| 1993 – Present | Resident Advisor, Pediatric Residency Program, UCSD/Rady Children's Hospital San Diego. David Sine, MD (1993 – 1996), Stephen Seslar, MD, PhD (1996-1999), Seema Aceves, MD, PhD (1999 – 2002), Daniel Clayton, MD (2002 – 2005), David Shyr, MD (2005 – 2008), Jennifer Yu, MD (2008 – Present) |

Memberships:

American Academy of Pediatrics, Fellow
American Society of Hematology
American Society of Pediatric Hematology/Oncology
Children's Oncology Group
UCSD Cancer Center

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| 2008 – Present | President, Board of Directors, Physicians Management Group |
| 2008 | Chair, Pathology Director Search Committee, CSSD |
| 2008 – Present | Co-PI: The molecular basis of Ewing's Sarcoma metastases, a translational study. UCSD/RCHSD. (Co-PI – Jing Yang, PhD) |
| 2008 – Present | Study Member/RCHSD PI: Phase II Study of Nifurtimox for Refractory or Relapsed Neuroblastoma and Medulloblastoma. University of Vermont |
| 2007 | Study Member/RCHSD PI: Phase I Study of Nifurtimox for Refractory or Relapsed Neuroblastoma. University of Vermont |
| 2007 – Present | Rady Children's Hospital San Diego Board Quality and Safety Committee |
| 2007 – Present | Board of Directors, Ronald McDonald House Charities |
| 2006 – 2007 | Pediatric Affiliation Council, CSSD/RCHSD/UCSD |
| 2006 – Present | Clinical Leadership Council, Rady Children's Hospital San Diego |
| 2006 – Present | Non Salaried/Volunteer Clinical Faculty Committee UCSD Department of Pediatrics |
| 2005 – Present | Executive Board of Directors, Children's Specialists |
| 2005 – Present | Chair, Billing and Collections Committee, Children's Specialists San Diego |
| 2004 – 2005 | Board of Directors, Children's Hospital San Diego |
| 2002 – 2007 | Medical Staff Executive Committee, Rady Children's Hospital San Diego |
| 2001 – 2003 | Co-Investigator: Pursuing Perfection – Advancing safe medical care across the continuum. Children's Hospital San Diego. Robert Wood Johnson Foundation. |
| 2000 – Present | Board of Directors, Children's Specialists San Diego |

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| 2000 – Present | Collection Center Medical Director, National Bone Marrow Donor Program |
| 2000 – 2003 | Steering Committee, San Diego Regional Cancer Institute |
| 2000 – Present | QM/Risk Management Committee, Children's Specialists San Diego Medical Group. Vice Chair 2008 – Present |
| 2000 – Present | Chair, Hematology/Oncology Morbidity & Mortality Conference, Children's Hospital San Diego |
| 2000 – Present | Hematology/Oncology Performance Improvement Committee, Children's Hospital San Diego |
| 2000 – 2003 | Co-Investigator: A phase I study of intratumoral injection with allogeneic fibroblasts genetically modified to secrete IL-2 in patients with cancer who have failed standard therapy. Sidney Kimmel Cancer Center. |
| 1999 – 2007 | Vice-Chair, COG #9952: Chemotherapy for Progressive Low Grade Astrocytoma in Children less than Ten Years Old. A Children's Oncology Group Phase III Study. |
| 1999 – 2003 | Study Member: Evidence for Genetic-Environmental Interactions in Pediatric Brain Tumors. Children's Hospital Los Angeles. |
| 1997 – 2000 | Physician Representative, Hematology/Oncology Center Leadership Committee, Children's Hospital San Diego |
| 1994 – 2000 | Division of Hematology/Oncology Liaison to the Institutional Review Board, Children's Hospital San Diego |
| 1994 – 1996 | Library Committee, Children's Hospital San Diego |
| 1994 – 1996 | Transfusion Committee, Children's Hospital San Diego |
| 1992 – Present | Cancer Committee, Rady Children's Hospital San Diego |

Honors and Awards:

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| 2004 | Recognized by Children's Hospital and Health Center with a 2004 Physician Leadership Award for developing and implementing an outstanding cancer care program in collaboration with UCSD |
| 2002 | American Cancer Society Relay for Life Certificate of Appreciation |
| 1989 – 1991 | Clinical Fellowship Award, American Cancer Society |

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| 1986 – 1987 | Ambulatory Pediatric Award, Rhode Island Hospital/Brown Univ. |
| 1980 | Cum Laude, Loyola Marymount University |
| 1980 | Dr. Thomas D. Pitts Award, Loyola Marymount University. Outstanding Senior in the Biology Department |
| 1978 – 1980 | Alpha Sigma Nu, National Jesuit Honor Society President, 1979 – 1980 |
| 1978 – 1980 | Sigma Xi, Scientific Research Society |

Contracts and Grants (as applicable):

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| 2004 – 2009 | Integrative Medicine in Pediatric Hematology/Oncology. Anonymous Family Foundation. Co-Principal Investigator. \$1,250,000. |
| 1991 – 1992 | Public Health Service Training Grant. National Institutes of Health |

External Professional Activities:

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| November 2008 | The St. Jude/RCHSD Alliance: An early success in international outreach in Tijuana, Mexico. Visiting Professor. Danny Thomas Lecture Series. St. Jude Children's Research Hospital. |
| February 2008 | Approach to Childhood Anemia. XXVI Binational Pediatric Conference. Pediatric College of Baja California, Tijuana, Mexico. |
| October 2007 | Late Effects of Therapy for Childhood Cancer. UCSD Hematology/Oncology Fellows Lecture, UCSD Cancer Center. |
| July 2007 | Infectious Complications of Cancer Therapy. Center for Pediatric Oncology, Tijuana, Mexico. |
| March 2006 | Childhood ITP and Childhood ALL, Advances in the Practice of Pediatrics: San Diego Hilton San Diego Resort, March 3, 4, 5, 2006 |
| May 2005 | COG A9952 Update, Physician-in-Chief Rounds, UCSD/CHSD |
| May 2002 | Gleevec in Pediatric Oncology, Southern California Association of Pediatric Oncology Nurses Annual Meeting. San Diego, CA |
| October 2001 | Clues to the etiologies of brain cancer, California Cancer Registrars Association Annual Education Conference. San Diego, CA |
| June 1999 | Acute Lymphoblastic Leukemia, Pediatric Grand Rounds, Children's Hospital San Diego |
| February 1999 | Childhood Anemia. Breakfast Workshop. Thirteenth Annual Current Concepts in Pediatric Medicine |
| April 1998 | Diagnosis and Medical Management of Neuroblastoma. Border Area Pediatric Surgeons Conference |

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| February 1997 | <i>Immune Thrombocytopenic Purpura. Pediatric Grand Rounds</i> Children's Hospital San Diego |
| March 1996 | Childhood Anemia. Breakfast Workshop. Tenth Annual Current Concepts in Pediatric Medicine |
| April 1994 | Immune Thrombocytopenic Purpura. Pediatric Grand Rounds Children's Hospital San Diego |
| March 1993 | Hematopoietic Growth Factors. Pediatric Ground Rounds. Children's Hospital San Diego |
| May 1991 | Cytomegalovirus in the Immunocompromised Host. Hematology/Oncology Grand Rounds. Children's Hospital Los Angeles. |
| February 1990 | Erythropoietin: Biological Properties and Clinical Applications. Hematology/Oncology Grand Rounds. Children's Hospital Los Angeles. |

Publications (as applicable):

1. Navid F, Willert JR, McCarville B, Furman W, Watkins A, **Roberts W**, Daw NC. Combination of Gemcitabine and Docetaxel in Treatment of Children and Young Adults with Refractory Bone and Soft Tissue Sarcoma. *Cancer*. 2008 Jul 15;113(2):419-25.
2. Schiff DE, **Roberts W**, Sue YJ. Methemoglobinemia Associated with Dapsone Therapy in a Child with Pneumonia and Chronic Immune Thrombocytopenic Purpura. *J Pediatr Hematol/Oncol* 2006 Jun; 28(6): 395-398
3. Loh KC, Willert J, Meltzer H, **Roberts W**, Kerlin B, Kadota R, Levy M, White G, Geddis A, Schiff D, Martin L, Yu A, Kung F, Spear MA. Temozolomide and radiation for aggressive pediatric central nervous system malignancies. *J Pediatr Hematol Oncol*, 27(5): 254-8, May 2005.
4. Diccianni M, Yu J, Meppelink G, de Vries M, Shao L, Gebauer S, Shih H, **Roberts W**, Kilcoin NP, Pullen J, Carson DA, Yu AL. 3-amino thioacridone inhibits DNA synthesis and induces DNA damage in T-cell acute lymphoblastic leukemia (T-ALL) in a p16-dependent manner. *J Exp Ther Oncol* 4(3): 223-37, October 2004.
5. Schiff D, **Roberts W**, Willert J, Tsai H. Thrombocytopenia and severe hyperbilirubinemia in the neonatal period secondary to congenital thrombotic thrombocytopenic purpura and ADAMTS13 deficiency. *J Pediatr Hematol Oncol* 26(8): 535-538, August 2004.
6. Sobo E, Billman G, Lim L, Murdock J, Romero E, Donoghue D, **Roberts W**, Kurtin P. A Rapid Interview Protocol Supporting Patient-Centered Quality Improvement: Hearing the Parent's Voice in a Pediatric Cancer Unit. *Joint Commission Journal on Quality Improvement*. 28 (9): 498-509. Sept 2002.

7. Evans W, Hon Y, Bongaars L, Coutre S, Holdsworth M, Janco R, Kalwinsky D, Keller F, Khatib Z, Margolin J, Murray J, Quinn J, Ravindranath Y, Ritchey K, **Roberts W**, Rogers Z, Schiff D, Steuber C, Tucci F, Kornegay N, Krynetski E, Relling M. Preponderance of thiopurine S-methyltransferase deficiency and heterozygosity among patients intolerant to mercaptopurine or azathioprine. *J Clin Oncol* 19: 2293-2301, 2001.
8. **Roberts W**, Weinberg K, Kohn D, Sender L, Parkman R, Lenarsky, C. Granulocyte Recovery in Pediatric Marrow Transplant Recipients Treated with Ganciclovir for Cytomegalovirus Infection. *American Journal of Pediatric Hematology/Oncology* 15 (3): 320-323, 1993.

ABSTRACTS

9. Ater JL, Holmes E, Zhou T, Mazewski C, **Roberts W**, Vezina G, Booth T, Booth T, Freyer D, Kadota R, Jakacki R, Packer R, Prados M, and Pollack I. Randomized Study of Two Chemotherapy Regimens for Low Grade Glioma in Young Children: Results of COG Protocol A9952. International Society of Pediatric Oncology 40th Annual Meeting. October 2008 (abstr).
10. Ater JL, Holmes E, Zhou T, Mazewski C, **Roberts W**, Vezina G, Booth T, Yates A, Freyer D, Jakacki R, Kadota R, Lazarus K, Pierce J, Ettinger A, Packer R, Prados M, Sposto R, Wisoff J, and Pollack I. Results of COG Protocol A9952: A Randomized Phase III Study of Two Chemotherapy Regimens for Incompletely Resected Low Grade Glioma in Young Children. 13th International Symposium on Pediatric NeuroOncology. June 2008 (abstr).
11. Ater JL, Holmes E, Zhou T, Mazewski C, **Roberts W**, Booth T, Ettinger A, Freyer D, Jakacki R, Kadota R, Lazarus K, Pierce J, Pollack I, Prados M, Sposto R, Vezina G, Wisoff J, Yates A, and Packer R. Treatment of young children with progressive or symptomatic unresectable low-grade glioma with chemotherapy: Preliminary report from the Children's Oncology Group (COG) Phase 3 protocol A9952. *Neuro-Oncology* 8(4):465 (abstr PE-03).
12. Ater JL, Mazewski C, **Roberts W**, Sposto R, Zhou T, Freyer D, Jakacki R, Kadota R, Lazarus K, Packer R, Pearce J, Prados M, Ettinger A, Vezina G, Wisoff J, Yates A, and Pollack I. Phase 3 randomized study of two chemotherapy regimens for treatment of progressive low-grade glioma in young children: Preliminary report for the Children's Oncology Group Protocol A9952. 12th International Symposium on Pediatric Neuro-Oncology, June 2006 (abstr).
13. Willert JR, Milburn M, **Roberts W**, Kadota R. Pediatric experience with Pegfilgrastim as hematopoietic growth factor support in children ages 7-21 years with solid tumors. *Pediatr Blood Cancer* 2006; 46:669 (abstr).
14. Willert JR, **Roberts W**, Kim J, Kadota R. Durable clinical responses achieved in children with Ph+ acute leukemia. *J Pediatr Hematol/Oncol* 2005; 27:466 (abstr).

15. Willert JR, **Roberts W**, Kim J, Kadota R. Improved outcome in childhood acute myeloid leukemia. *J Pediatr Hematol/Oncol* 2005; 27:466 (abstr).
16. Loh KC, Willert J, Meltzer H, **Roberts W**, Kerlin B, Kung F, Levy M, Kadota R, Yu A, Spear MA. Temozolomide and radiation for aggressive pediatric CNS malignancies. *Proc Am Soc Clin Oncol* 2004; 23:811 (abstr).
18. Schiff D, Bradley J, **Roberts W**. Clinical Pathway for Febrile Neutropenia in Pediatric Cancer Patients: 2-year Experience with Monotherapy. *Blood*, 100:872a, 2002.
19. Lamkin T, Brooks J, **Roberts W**, Weinberg K. Expression of Progenitor Cell Antigens on Childhood Acute Lymphoblastic Leukemia (ALL) Cells. *Blood* 82:50a, 1993.
20. Schiff D, **Roberts W**, Ortega J, Weinberg K. A Paraneoplastic Syndrome (Eosinophilia, Chorea, Lupus Anticoagulant) Related to Leukemic Production of IL-3. *Pediatric Research* 33:146a, 1993.
21. **Roberts W**, Uribe L, Weinberg K. A Common Leukemic Progenitor in Leukemias Expressing Both T Lymphoid and Myeloid Characteristics. *Experimental Hematology* 20:788a, 1992.
22. **Roberts W**, Wiersma S, Uribe L, Weinberg K. A Leukemic Cell Line Expressing Both T Lymphoid and Myeloid Associated Genes. *Experimental Hematology* 20:787a, 1992.
23. **Roberts W**, Uribe L, Weinberg K. Evidence of a Common Leukemic Progenitor in Leukemias Expressing Both T Lymphoid and Myeloid Characteristics. *Pediatric Research* 31:144a, 1992.
24. **Roberts W**, Uribe L, Weinberg K. Phenotypic and Genotypic Evidence of a Common Leukemic Progenitor in Mixed Lineage Leukemias Expressing T Lymphoid and Myeloid Characteristics. *Clinical Research* 40:30a, 1992.
25. **Roberts W**, Wiersma S, Uribe L, Weinberg K. The ARR Cell Line: A Model of Acute Leukemias Expressing Both T Lymphoid and Myeloid Associated Genes. *Clinical Research* 40:30a, 1992.
26. **Roberts W**, Wiersma S, Uribe L, Weinberg K. Common Pattern of Gene Expression in Myeloid Antigen Positive T-ALL and T Lymphoid Antigen Positive ANLL. *Blood* 78:45a, 1991.