

CURRICULUM VITAE

ALEXIS ANNE THOMPSON

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Education:

1976-79 Pomona College (Zoology)

1979-83 M.D., Tulane University School of Medicine

1986-87 M.P.H., University of California, Los Angeles (Health Services)

Postgraduate Training and Fellowship Appointments:

07/1983-06/84 Intern in Pediatrics, Children's Hospital of Los Angeles

07/1984-06/86 Resident in Pediatrics, Children's Hospital of Los Angeles

07/1987-06/90 Fellow, Pediatric Hematology/Oncology, Children's Hospital of Philadelphia

Hospital and Administrative Appointments

07/1987-06/90 Instructor in Pediatrics, Children's Hospital of Philadelphia, University of Pennsylvania School of Medicine (Pennsylvania)

07/1990-06/92 Clinical Instructor, Pediatric Hematology/Oncology, University of California, Los Angeles (UCLA) School of Medicine (California)

07/1992-06/99 Assistant Professor, Department of Pediatrics, UCLA School of Medicine (California)

07/1999-06/2000 Associate Professor, Department of Pediatrics, UCLA School of Medicine (California)

04/2001-06/10 Associate Professor, Department of Pediatrics, Feinberg School of Medicine, Northwestern University (Illinois)

07/2011-12/21 Professor, Department of Pediatrics, Feinberg School of Medicine, Northwestern University (Illinois)

01/2022-present Professor, Department of Pediatrics, Perelman School of Medicine, University of Pennsylvania (Pennsylvania)

Employment with Hands on Patient Contact

07/1990-12/2000 UCLA School of Medicine (California)

01/2001-04/01 not employed (vacation)

04/2001-12/2021 Children's Memorial/Lurie Children's Hospital (Illinois)
01/2023-present Children's Hospital of Philadelphia (Pennsylvania)

Specialty Certification:

1986 General Pediatrics, No. 35644
1990 Pediatric Hematology/Oncology, No. 948 (Recertification, 2021)

Licensure:

California, No. G53158 (inactive)
Illinois, No. 036-104288
Pennsylvania No. MD039064E

Awards and Honors:

1983 Henry J. Kaiser Family Foundation Merit Scholarship Award
1983 Carl Robinson, Jr Outstanding Senior Medical Student
1987 Kaiser Permanente Merit Scholarship Award in Health Services
1992-96 Robert Wood Johnson Foundation Minority Medical Faculty Development Award
1994 R55, James A. Shannon Director's Award
1997 STOP Cancer: The Next Generation Award
1997 Minority Scholar Award in Cancer Research, American Association for Cancer Research (AACR)
1998 Young Investigator Research Award, Orange County Roosters
2001- Sarah and A. Watson Armour Endowed Chair for Blood Diseases and Cancer, Children's Memorial Hospital
2015 Erslev Memorial Lecture, Jefferson Medical College, Philadelphia, PA
2017 Frank A. Oski Memorial Lecture and Award, American Society of Pediatric Hematology Oncology (ASPHO)
2018 Alpha Omega Alpha National Medical Honor Society (faculty inductee)
2018 William C. Moloney Lecture, Brigham and Women's Hospital, Boston MA
2018 Paul M. Aggeler Lecture, UCSF/ZSFGH, San Francisco, CA
2019 Gwynne Hazen Cherry Family/Stephen A. Feig, M.D. Endowed Lecturer, UCLA Mattel Children's Hospital
2019 Alexander S. Weiner Memorial Lecture, New York Blood Center
2019 Faculty Excellence in Leadership Award, Lurie Children's Hospital (inaugural recipient)
2020 Top Blacks in Healthcare, blackdoctors.org
Distinguished Alumni Award, Champions of Healthcare, National Medical Fellowships
Cage S. Johnson, Sickle Cell Physician Award, Cayenne Wellness
2021 Exceptional Women in Medicine, *Chicago Magazine*
2022 Fellow, College of Physicians of Philadelphia

Membership in Professional and Scientific Societies:

American Society of Hematology
National Medical Association

American Society of Pediatric Hematology-Oncology
American Society of Genetic and Cell Therapy
European Hematology Association

Professional Activities:

1992 Investigator, Zimbabwe Community Health Care Development Project
1994-96 Member, Minority Advisory Panel, National Marrow Donor Program
1996-00 Member, Minority Affairs Committee, National Marrow Donor Program
1996-00 Consultant, California State Newborn Screening Program
1997-04 Program Development Committee, Fellowship Program in Academic Medicine, Bristol Myers Squibb-National Medical Fellowship (Chair, 2002-04)
1997-01 Director, UCLA Sickle Cell Anemia Program
1999-00 Medical Advisory Board, Sickle Cell Disease Research Foundation
2000-04 Board of Directors, National Marrow Donor Program
2001-04 Executive Committee, Board of Directors, National Marrow Donor Program
2001-05 Eligibility Review Panel, Sibling Donor Cord Blood Transplant Study for Hemoglobinopathies, NHLBI
2001-21 Medical and Scientific Director of Hematology, Children's Memorial Hospital
2001-02 Ad Hoc Reviewer, BMT Clinical Trials Network, NHLBI
2003- Medical Advisory Board, Cooley's Anemia Foundation
2003-07 Ad Hoc Minority Committee, American Society of Hematology
2003-07 President, E. E. Just Society
2006 Diamond-Blackfan Anemia Advisory Working Group, CDC
2006-10 Eligibility Review Panel, Unrelated Stem Cell Transplant Study for Sickle Cell, BMT Clinical Trials Network
2006-09 Clinical Trials Review Committee, NHLBI
2006-12 Government Affairs Committee, American Society of Hematology (ASH)
2007-09 Co-Chair, Education Program, 2009 Annual ASH Meeting
2008-16 Genetic and Metabolic Diseases Advisory Committee, Illinois Dept. of Public Health
2008-21 Associate Director, Equity and Minority Health, Robert H. Lurie Comprehensive Cancer Center, Northwestern University
2009 Healthy People 2020, Hemoglobinopathies Working Group, Objectives for Blood Disorders and Blood Safety (BDBS), Department of Health and Human Services
2009- Sickle Cell Disease Task Force, American Society of Hematology
2009 Co-Chair, Highlights of ASH 2010 (Domestic)
2009 Co-Chair, Highlights of ASH 2010 in Latin America
2009-11 Sickle Cell Disease Advisory Committee, NHLBI
2010-14 Councilor, Executive Committee, American Society of Hematology
2011-16 Secretary's Advisory Committee on Heritable Disorders in Newborns and Children, Department of Health and Human Services
2011-14 American Cancer Society-Illinois Division Cancer Disparities Research Task Force
2012-15 Co-Chair, Interventional Committee, Pediatric ITP Consortium of North America
2013-15 Ad Hoc reviewer, K-award study section, NHLBI
2015-16 Vice President, American Society of Hematology

2016-17 President-Elect, American Society of Hematology
2018 President, American Society of Hematology
2018-22 Member, Steering Committee, Cure Sickle Cell Initiative, NHLBI
2018-21 Chair, Clinical Trials Design Subcommittee, Cure Sickle Cell Initiative
2021- European Hematology Association
2022- Member, OSMB, COALESCE Study, NHLBI
2022- Member, Board of Scientific Counselors, NHLBI

Journal Reviewer:

1992- Reviewer, Journal of Pediatric Hematology-Oncology
1995- Reviewer, BLOOD
1995-00 Reviewer, International Journal of Pediatric Hematology Oncology
2002- Reviewer, Haematologica
2005- Reviewer, Pediatric Blood and Cancer
2007- Reviewer, New England Journal of Medicine
2015- Reviewer, Blood Advances
2019- Reviewer, Science Translational Medicine
2021-24 Editorial Board, BLOOD

Hospital and Academic Committees:

1991-00 Admissions Committee, UCLA School of Medicine
1991-00 Medical School Alumni Association, Subcommittee on Minority Recruitment
1999-00 Executive Board, Department of Pediatrics Group Practice
1998-00 Medical Center Cancer Committee
2000 Medical Center Blood and Blood Derivatives Committee
2002-04 Best Practices Guidelines on Sickle Cell Pain Committee
2003-12 Library Committee, Children's Memorial Research Center
2004-06 Best Practices on the Utilization of Recombinant Factor VIIa Committee
2004 Departmental Diversity Task Force, Children's Memorial Hospital
2005-06 Safety Quality Leadership Team, Timely Evaluation Task Force
2008-13 Cancer and Blood Disorders Committee, Children's Memorial Hospital
2010-18 Advisory Board, Northwestern Medicine (NM) Scholars Program at Westinghouse College Prep
2011-18 Anticoagulation Safety Committee (co-Chair)
2014-21 Faculty Coach, Office of Faculty Development, Department of Pediatrics
2015-21 Diversity and Inclusion Council, Northwestern University Feinberg School of Medicine
2020 Vaccine Equity Taskforce, Lurie Children's
URiM Pediatric Residency Recruitment Spotlight Panelist, Lurie Children's
2021 Executive Leadership Committee, Institutional KL2 Program, Northwestern University Clinical and Translational Science Institute (NUCATS)
Internal Advisory Committee, Chicago Cancer Health Equity Council
Educational Diversity, Equity and Inclusion Council, Lurie Children's
2022- Executive Committee, Department of Pediatrics, Children's Hospital of Philadelphia (CHOP)
Executive Committee, Cell and Gene Therapy Collaborative, CHOP

Current clinical/research interests:

- Management of patients with sickle cell disease and other hemoglobinopathies
- Bone marrow failure syndromes
- Stem cell transplantation for nonmalignant disorders in pediatric patients

Publications:Co-Editor

Hematology 2009 American Society of Hematology Education Program

Section Editor

“Disorders of the Blood and Blood Cells.” Just the Facts in Pediatrics, MacGraw Hill, 2004

Author, Book Chapters

Thompson AA: “Anemia Overview,” Just the Facts in Pediatrics, MacGraw Hill, 2004

Thompson AA: “Thalassemias” Just the Facts in Pediatrics, MacGraw Hill, 2004

Thompson AA: “Neutropenias,” Just the Facts in Pediatrics, MacGraw Hill, 2004

MacDonald L and Thompson AA: “Iron Deficiency Anemia,” Just the Facts in Pediatrics, MacGraw Hill, 2004

Gosiengfiao Y and Thompson AA: “Hemolytic Anemias,” Just the Facts in Pediatrics, MacGraw Hill, 2004

Weinstein J and Thompson AA: “Thrombocytopenia,” Just the Facts in Pediatrics, MacGraw Hill, 2004

Badawy SM, Thompson AA: “Management Challenges in Thalassemia” from Abutalib SA, Connors JM, Ragni MV (eds) (2016) Nonmalignant Hematology, Expert Clinical Review: Questions and Answer, Springer International Publishing, Switzerland

Peer-reviewed Manuscripts

1. Wood WJ, Thompson AA, Korenberg J, May WA, Denny CT, Wall R: The Isolation and Chromosomal Mapping of the Human Immunoglobulin-Associated B29 Gene. *Genomics* 16: 187-192, 1993. PMID 8486355
2. May W, Korenberg J, Chen X-n, Wood WJ, Thompson AA, Wall R, Denny CT: Human Lymphocyte-Specific Gene pp52 is a Member of a Highly Dispersed Gene Family. *Genomics* 15: 515-520, 1993. PMID 8468046
3. Thompson AA, Cornelius AS, Asakura T, Horiuchi K: Comparative Studies of Phenothiazine Derivatives and Their Effects on Swelling of Normal and Sickle Erythrocytes. *Gen Pharmacol.* 24 (4): 999-1006, 1993. PMID 7901117
4. Thompson AA, Wood WJ, Gilly MJ, Omori SA, Wall R: The Promoter and 5' Flanking Sequences Controlling Human B29 Gene Expression. *Blood* 87: 666-673, 1996.
5. Thompson AA, Omori SA, Gilly MJ, May W, Gordon MS, Wood WJ, Miyoshi E, Malone CS, Gimble J, Kincade P, Denny CT, Wall R: Structure of Alternatively Spliced 5' Exons in Tissue-Specific Isoforms of Leukocyte pp52 and Stromal Cell S37 mRNA. *Genomics* 32: 352-357, 1996.
6. Thompson AA, Talley JA, Do HN, Saxon A, Kunkel L, Berenson J, Wall R: Aberrations of the B-cell Receptor B29 Gene Expression in Chronic Lymphocytic Leukemia. *Blood* 90 (4): 1387-1394, 1997.

7. Thompson AA, Do HN, Saxon A, Wall R: Widespread B29 (CD79b) Gene Defects and Loss of Expression in Chronic Lymphocytic Leukemia. *Leukemia and Lymphoma* 32 (5-6): 561-569, 1999. PMID 10048429
8. Gordon MS, Kato RM, Lansigan F, Thompson AA, Wall R, Rawlings DJ: Aberrant BCR Signaling from B29 (Ig β , CD79b) Gene Mutations of Chronic Lymphocytic Leukemia B Cells. *Proc Natl Acad Sci* 97 (10):5504-09, 2000. PMID 10792036
9. Thompson AA, Nguyen LT: Amegakaryocytic Thrombocytopenia and Radial-Ulnar Synostosis is Associated with a *HOXA11* Gene Defect. *Nature Genetics* 26 (4): 379-80, 2000.
10. Miyoshi E, Stewart PL, Kincade PW, Lee MB, Thompson AA, Wall R: Aberrant Expression and Localization of the Cytoskeleton-Binding pp52 (LSP1) Protein in Hairy Cell Leukemia. *Leukemia Research* 25: 57-67, 2001.
11. Thompson AA, Woodruff K, Feig SA, Nguyen LT, Schanen NC: Congenital Thrombocytopenia and Radio-Ulnar Synostosis: A New Familial Syndrome. *British Journal of Haematology* 113(4): 866-70, 2001.
12. Barcelona SL, Thompson AA, Cote CJ: Intraoperative Pediatric Blood Transfusion Therapy: A Review of Common Issues. Part I: Hematologic and Physiologic Differences from Adults; Metabolic and Infectious Risks. *Pediatric Anesthesia* 15 (9): 716-26, 2005.
13. Barcelona SL, Thompson AA, Cote CJ: Intraoperative Pediatric Blood Transfusion Therapy: A Review of Common Issues. Part II: Transfusion Therapy, Special Considerations, and Reduction of Allogenic Blood Transfusions. *Pediatric Anesthesia*. 15 (10): 814-30, 2005.
14. Thompson AA: Advances in the Management of Sickle Cell Disease. *Pediatric Blood and Cancer* 46 (5): 533-39, 2006.
15. Horvat R, Thompson AA: *HOXA11* Mutation in Amegakaryocytic Thrombocytopenia with Radio-Ulnar Synostosis Syndrome Inhibits Megakaryocytic Differentiation In Vitro. *Blood Cells Molecules and Disease* 37 (1): 55-63, 2006.
16. Storey P, Thompson AA, Carqueville CL, Wood JC, Rigsby CK: R2* Imaging of Transfusional Iron Burden at 3T and Comparison with 1.5T. *J Magnetic Resonance Imaging* 25: 540-7, 2007.
17. Eggleston BS, Patience M, Edwards S, Adamkiewicz T, Buchanan G, Davies SC, Dickerhoff R, Donfield S, Feig SA, Giller RH, Haight A, Horan J, Hsu L, Kamani N, Lane P, Levine JE, Margolis D, Moore TB, Ohene-Frempong K, Redding-Lallinger R, Roberts IAG, Rogers ZR, Sanders JE, Scott JP, Sleight B, Thompson AA, Sullivan KM, Walters MC: Effect of Myeloablative Bone Marrow Transplantation on Growth in Children with Sickle Cell Anemia: Results of the Multicenter Study of Hematopoietic Cell Transplantation for Sickle Cell Anemia. *British Journal of Haematology*. 136 (4): 673-6, 2007.
18. Gosiengfiao Y, Horvat R, Thompson AA: Transcription Factors GATA-1 and Fli-1 Regulate Human HOXA10 Expression in Megakaryocytic Cells, *DNA and Cell Biology*, 26(8): 577-87, 2007.
19. MJ Manco-Johnson, TC. Abshire, AD Shapiro, B Riske, MR Hacker, R Kilcoyne, D Ingram, ML Manco-Johnson, S Funk, L Jacobson, L A. Valentino, WK Hoots, GR. Buchanan, D DiMichele, M Recht, D Brown, C Leisinger, S Bleak, A Cohen, P Mathew, A Matsunaga, D Medeiros, D Nugent, G Thomas, AA Thompson, JM Soucie, H Austin,

- and B Evatt: Results of a Prospective, Controlled, Randomized Clinical Trial to Prevent Joint Disease in Young Children with Severe Factor VIII Deficiency, *New England Journal of Medicine*, 357(6):535-44, 2007.
20. Liem, RI, Young L, Thompson AA: Tricuspid Regurgitant Jet Velocity Is Associated with Hemolysis in Children and Young Adults with Sickle Cell Disease Evaluated for Pulmonary Hypertension, *Haematologica*, 92, 1549-52, 2007
 21. Liem RI, Calamaras D, Chhabra-Singh M, Minniti C, Files B, Thompson AA: Sudden-onset blindness in sickle cell disease due to retinal artery occlusion. *Pediatric Blood & Cancer*. 50(3):624-7, 2008.
 22. Fung EB, Harmatz P, Milet M, Coates T, Thompson AA, Ranalli M, Mignaca R, Scher C, Giardina P, Robertson S, Neumayr L, Vichinsky E: Fracture prevalence and relationship to endocrinopathy in iron overloaded patients with sickle cell disease and thalassemia. *Bone* 43, 162-68, 2008.
 23. Liem RI, Nevin MA, Young LT, Thompson AA: Tricuspid regurgitant jet velocity elevation and its relationship to lung function in pediatric sickle cell disease. *Pediatric Pulmonology* 44(3): 281-9, 2009
 24. Liem RI, Young LT, Thompson AA: Prolonged QTc interval in children and young adults with sickle cell disease at steady state. *Pediatric Blood Cancer*. Jul;52(7):842-6, 2009.
 25. Liem RI, Nevin MA, Prestridge A, Young LT, Thompson AA: Functional capacity in children and young adults with sickle cell disease undergoing evaluation for cardiopulmonary disease. *Am J Hematol*. 2Liem RI, Cole AH, Pelligra SA, Mason M, Thompson AA: Parental attitudes toward research participation in pediatric sickle cell disease. *Pediatric Blood & Cancer* 55(1):129, 2010
 27. Lulla RR, Thompson AA, Liem RI: Elevated soluble transferrin receptor reflects increased erythropoietic drive rather than iron deficiency in pediatric sickle cell disease. *Pediatric Blood & Cancer* 55(1):141, 2010.
 28. Trachtenberg F, Foote D, Martin M, Carson S, Coates T, Beams O, Vega O, Merelles-Pulcini M, Giardina PJ, Kleinert DA, Kwiatkowski J, Thompson AA, Neufeld EJ, Schilling L, Thayalasuthan V, Pakbaz Z, Yamashita R: Pain as an emergent issue in thalassemia. *Am J Hematol* May 2010 85(5): 367–370
 29. Wood J, Kang B, Thompson AA, Paley C, Giardina P, Harmatz P, Virkus J, Coates T: The effect of deferasirox on cardiac iron in thalassemia major; impact of total body iron stores. *Blood*, Jul 2010; 116: 537 - 543.
 30. Liem RI, Pelligra S, Shah AD, Labotka RJ, Young LT, Thompson AA: Reproducibility of Tricuspid Regurgitant Jet Velocity Measurements in Children and Young Adults with Sickle Cell Disease Undergoing Screening for Pulmonary Hypertension, *Am J Hematol*,
 31. Gallo AM, Wilkie D, Suarez M, Labotka R, Molokie R, Thompson A, Hershberger P, Johnson B: Reproductive decisions in people with sickle cell disease or sickle cell trait. *West J Nurs Res* Wood JC, Glynos T, Thompson A, Giardina P, Harmatz P, Kang BP, Paley C, Coates TD. Follow-up report on the 2-year cardiac data from a deferasirox monotherapy trial. *Am J Hematol*. 2010 Oct; 85(10):818-9.
 33. Mednick L, Yu S, Trachtenberg F, Xu Y, Kleinert D, Giardina PJ, Kwiatkowski JL, Foote D, Thayalasuthan V, Porter JP, Thompson AA, Schilling L, Quinn CT, Neufeld EJ, Yamashita R: Symptoms of depression and anxiety in patients with thalassemia: Prevalence and correlates in the thalassemia longitudinal cohort. *Am J Hematol* Hulbert

- ML, McKinstry RC, Lacey JL, Moran CJ, Panepinto JA, Thompson AA, Sarnaik SA, Woods GA, Casella JF, Inusa B, Howard J, Kirkham F, Anie K, Mullin JE, Ichord R, Noetzel M, Yan Y, Rodeghier M, DeBaun MR: Silent cerebral infarcts occur despite regular blood transfusion therapy after first stroke in children with sickle cell disease. *Blood*, 2011 Jan, 117(3):772-779
- Vichinsky CE, Ohene-Frempong K, Thein RC, Lopes de Castro Lobo C, Inati A, Thompson AA, Smith-Whitley K, Kwiatkowski JL, Swerdlow PS, Porter JB, Marks PW: Transfusion and chelation practices in sickle cell disease: a regional perspective. *Pediatr Hematol Oncol*. 2011 Mar; 28(2):124-33.
36. Poulter EY, Truszkowski P, Thompson AA, Liem RI: Acute Chest Syndrome is Associated with History of Asthma in Hemoglobin SC Disease. *Pediatric Blood Cancer*, 2011 Aug;57(2):289-93.
37. Wood J, Glynos T, Thompson AA, Paley C, Giardina P, Harmatz P, Kang BP, Coates TD: Relationship between labile plasma iron, liver iron concentration, and cardiac response in a deferasirox monotherapy trial. *Haematologica*, 2011 96(6).
38. Thompson AA, Cunningham MJ, Singer ST, Neufeld EJ, Vichinsky E, Yamashita R, Giardina P, Kim H-Y, Trachtenberg F, Kwiatkowski JL: Red Cell Alloimmunization in a Diverse Population of Transfused Patients with Thalassemia. *Brit J Haematol*, 2011 Apr;153(1):121-8
39. Sobota A, Yamashita R, Xu Y, Trachtenberg F, Kohlbry P, Kleinert DA, Giardina PJ, Kwiatkowski JL, Foote D, Thayalasuthan V, Porter JB, Thompson AA, Schilling L, Quinn CT, Neufeld EJ: Quality of life in thalassemia: A comparison of SF-36 results from the thalassemia longitudinal cohort to reported literature and the US norms. *Am J Hematol* Iron chelation adherence to deferoxamine and deferasirox in thalassemia. *Am J Hematol* 2011 May;86(5):433-6.
41. Liem RL, Gilgour B, Pelligra SA, Mason M, Thompson AA: The Impact of Thalassemia on Southeast Asian and Asian Indian Families in the US: A Qualitative Study. *Ethnicity and Disease* 2011 Summer; 21(3):361-9.
42. Poulter EY, Truszkowski P, Thompson AA, Liem RI: Acute chest syndrome is associated with history of asthma in hemoglobin SC disease. *Pediatr Blood Cancer*. 2011 Aug;57(2)289-93.
43. Morris CR, Hae-Young K, Trachtenberg F, Wood J, Quinn CT, Sweeters N, Kwiatkowski JL, Thompson AA, Giardina PJ, Boudreaux J, Olivieri NF, Porter JB, Neufeld EJ, Vichinsky EP: Risks factors and mortality associated with an elevated tricuspid-regurgitant-jet-velocity measured by Doppler-echocardiography in thalassemia: a Thalassemia Clinical Research Network report. *Blood*. 2011 Oct 6;118(14):3794-802.
44. Recognition and management of hemophilia emergencies. *Clin Pediatr Emerg Med*, 2011 Sep 1;12(3):224-232.
- Lebensburger JD, Debaun MR, Thompson AA: What is the evidence for using hydroxyurea for secondary stroke prevention? *Hematology Am Soc Hematol Educ Program*. 2011;2011:440-2.
46. Thompson AA: Primary prophylaxis in sickle cell disease: is it feasible? Is it effective? *Hematology Am Soc Hematol Educ Program*. 2011;2011:434-9.
47. Kwiatkowski JL, Kim H-Y, Thompson AA, Quinn CT, Mueller BU, Odame I, Giardina PJ, Vichinsky EP, Boudreaux JM, Cohen AR, Porter J, Coates T, Olivieri NF, Neufeld EJ: Chelation use and iron burden in North American and British thalassemia patients: a report from the Thalassemia Longitudinal Cohort. *Blood* 2012 Mar 22;119(12):2746-53.

48. Grace RF, Bennett CM, Ritchey AK, Jeng M, Thornburg CD, Lambert MP, Neier M, Recht M, Kumar M, Blanchette V, Klaassen RJ, Buchanan GR, Kurth MH, Nugent DJ, Thompson AA, Stine K, Kalish LA, Neufeld EJ: Response to steroids predicts response to rituximab in pediatric chronic immune thrombocytopenia. *Pediatr Blood Cancer*. 2012 Feb;58(2):221-5.
49. McCarville MB, Rogers ZR, Sarnaik S, Scott P, Aygun B, Hilliard L, Lee MT, Kalinyak K, Owen W, Garro J, Schultz W, Yovetich N, Ware RE; SWiTCH Investigators: Effects of chronic transfusions on abdominal sonographic abnormalities in children with sickle cell anemia. *J Pediatr*. 2012 Feb;160(2):281-285.
50. DeBaun MR, Sarnaik SA, Rodeghier MJ, Minniti CP, Howard TH, Iyer RV, Inusa B, Telfer PT, Kirby-Allen M, Quinn CT, Bernaudin F, Airewele G, Woods GM, Panepinto JA, Fuh B, Kwiatkowski JK, King AA, Rhodes MM, Thompson AA, Heiny ME, Redding-Lallinger RC, Kirkham FJ, Sabio H, Gonzalez CE, Saccente SL, Kalinyak KA, Strouse JJ, Fixler JM, Gordon MO, Miller JP, Noetzel MJ, Ichord RN, Casella JF: Associated risk factors for silent cerebral infarcts in sickle cell anemia: low baseline hemoglobin, sex, and relative high systolic blood pressure. *Blood*. 2012 Apr 19;119(16):3684-90.
51. Kwiatkowski JL, Cohen AR, Garro J, Alvarez O, Nagasubramanian R, Sarnaik S, Thompson A, Woods GM, Schultz W, Mortier N, Lane P, Mueller B, Yovetich N, Ware RE; for the SWiTCH Study Investigators: Transfusional iron overload in children with sickle cell anemia on chronic transfusion therapy for secondary stroke prevention. *Am J Hematol*. 2012 February 87(2): 221-223.
52. Aygun B, Wruck LM, Schultz WH, Mueller BU, Brown C, Luchtman-Jones L, Jackson S, Iyer R, Rogers ZR, Sarnaik S, Thompson AA, Gauger C, Helms RW, Ware RE; TCD With Transfusions Changing to Hydroxyurea (TWiTCH) Trial Investigators: Chronic transfusion practices for prevention of primary stroke in children with sickle cell anemia and abnormal TCD velocities. *Am J Hematol*. 2012 Apr;87(4):428-30.
53. Kwiatkowski JL, Kim HY, Thompson AA, Quinn CT, Mueller BU, Odame I, Giardina PJ, Vichinsky EP, Boudreaux JM, Cohen AR, Porter JB, Coates T, Olivieri NF, Neufeld EJ; Thalassemia Clinical Research Network: Chelation use and iron burden in North American and British thalassemia patients: a report from the Thalassemia Longitudinal Cohort. *Blood*. 2012 Mar 22; 119(12):2746-53.
54. Miller ST, Kim HY, Weiner D, Wager CG, Gallagher D, Styles L, Dampier CD; Investigators of the Sickle Cell Disease Clinical Research Network (SCDCRN): Inpatient management of sickle cell pain: a 'snapshot' of current practice. *Am J Hematol*. 2012 Mar; 87(3):333-6.
55. Ware RE, Helms RW; SWiTCH Investigators: Stroke With Transfusions Changing to Hydroxyurea (SWiTCH). *Blood*. 2012 Apr 26; 119(17):3925-32.
56. Auerswald G, Thompson AA, Recht M, Brown D, Liesner R, Guzman-Becerra N, Dyck-Jones J, Ewenstein B, Abbuehl, B: Experience of Advate rAHF-PFM in previously untreated patients and minimally treated patients with haemophilia A. *Thromb Haemost*. 2012 May 31; 107(6):1072-82.

57. Styles L, Wager CG, Labotka RJ, Smith-Whitley K, Thompson AA, Lane PA, McMahon LE, Miller R, Roseff SD, Iyer RV, Hsu LL, Castro OL, Ataga KI, Onyekwere O, Okam M, Bellevue R, Miller ST; Sickle Cell Disease Clinical Research Network (SCDCRN): Refining the value of secretory phospholipase A2 as a predictor of acute chest syndrome in sickle cell disease: results of a feasibility study (PROACTIVE). Br J Haematol. 2012 Jun; 157(5):627-36.
58. Fung EB, Xu Y, Trachtenberg F, Odame I, Kwiatkowski JL, Neufeld EJ, Thompson AA, Boudreaux J, Quinn CT, Vichinsky EP; Thalassaemia Clinical Research Network: Inadequate Dietary Intake in Patients with Thalassaemia. J Acad Nutr Diet. 2012 Jul; 112(7):980-90.
59. Smith-Whitley K, Thompson AA: Indications and complications of transfusions in sickle cell disease. Pediatr Blood Cancer. 2012 Aug; 59(2):358-64.
60. O'Connor FG, Deuster P, Thompson A: Sickle cell trait: what's a sports medicine clinician to think? Br J Sports Med. 2012 May 19. [Epub ahead of print]
61. O'Connor FG, Bergeron MF, Cantrell J, Connes P, Harmon KG, Ivy E, Kark J, Klossner D, Lisman P, Meyers BK, O'Brien K, Ohene-Frempong K, Thompson AA, Whitehead J, Deuster PA: ACSM and CHAMP Summit on SCT: Mitigating Risks for Warfighters and Athletes. Med Sci Sports Exerc. 2012 Nov;44(11):2045-2056.
62. Andolina JR, Morrison CB, Thompson AA, Chaudhury S, Mack AK, Proytcheva M, Corey SJ: Shwachman-Diamond Syndrome: Diarrhea, no Longer Required? J Pediatr Hematol Oncol. 2012 Aug 29. [Epub ahead of print]
63. Chou ST, Liem RI, Thompson AA. Challenges of alloimmunization in patients with haemoglobinopathies. Br J Haematol. 2012 Nov;159 (4):394-404
64. Haines D, Martin M, Carson S, Oliveros O, Green S, Coates T, Eile J, Schilling L, Dinu B, Mendoza T, Gerstenberger E, Trachtenberg F, Vichinsky E; Thalassaemia Clinical Research Network. Pain in thalassaemia: the effects of age on pain frequency and severity. Br J Haematol. 2013 Mar; 160(5):680-7.. Epub 2012 Dec 30. PMID: 23278768 [PubMed – indexed for MEDLINE]
65. Thompson AA: Sickle cell disease and racism: Real or false barriers? Pediatr Blood Cancer. 2013 Mar; 60(3):349-50.
66. Trachtenberg FL, Mednick L, Kwiatkowski JL, Neufeld EJ, Haines D, Pakbaz Z, Thompson AA, Quinn CT, Grady R, Sobota A, Olivieri N, Horne R, Yamashita R; Thalassaemia Clinical Research Network: Beliefs about chelation among thalassaemia patients. Health Qual Life Outcomes. 2012 Dec 7;10:148.
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Invited Presentations (Selected, past 5 years)

- 3/2018: “Thalassemia,” Highlights of ASH in Asia, Bali, Indonesia
- 4/2018: “Gene Therapy in Hemoglobinopathies,” British Society of Hematology Annual Meeting, Liverpool, UK
- 4/2018: “Sickle Cell Disease,” Highlights of ASH in Latin America, Rio de Janeiro, Brazil

- 7/2018: “Essential Skills for Emerging Leaders,” ASH Clinical Research Training Institute, La Jolla, CA
- 9/2018: “Rising Tides: Advances in Thalassemia,” William C. Moloney Lecture, Brigham and Women’s Hospital, Harvard Medical School, Boston MA
- 10/2018: “Update on Gene Addition Approaches in Sickle Cell Disease,” Sickle Cell in Focus Conference, NHLBI, Bethesda, MD
- “Advances in Gene Therapy for Blood Disorders,” Japanese Society of Hematology Annual Scientific Congress, Osaka, Japan
- 11/2018: “Advances in Curative Therapies for Hemoglobinopathies,” Paul M. Aggeler Memorial Lecture, UCSF/ZSFGH, San Francisco, CA
- 2/2019: “Cure within Reach: Genomic Therapies for Sickle Cell and Thalassemia,” Yale Cancer Center Hematology Research Series, New Haven, CT
- 3/2019: “Gene Addition Approach for Sickle Cell and Thalassemia,” European School of Haematology, Budapest, Hungary
- 4/2019: “Genomic Therapies for Sickle Cell Disease and Thalassemia,” ASH/BSH Joint Symposium, BSH Annual meeting, Glasgow, Scotland, UK
- “Thrombotic Complications in Hereditary Hemolytic Anemias,” Agrupacion Mexicana para el Estudio de la Hematologia (AMEH), annual meeting Chihuahua, Mexico
- “Advances in Hereditary Hemolytic Anemias,” Agrupacion Mexicana para el Estudio de la Hematologia (AMEH), annual meeting Chihuahua, Mexico
- “Endpoints for Curative Therapies: How will be measure success?” 4th Annual Alpha Stem Cell Clinic Conference, California Institute for Regenerative Medicine, San Francisco, CA
- 5/2019: “Cure within Reach: Genomic Therapies for Sickle Cell and Thalassemia, Gwynne Hazen Cherry Family/Stephen A. Feig, M.D. Endowed Lecturer, UCLA, Los Angeles, CA
- 6/2019: “Cure within Reach: Genomic Therapies for Sickle Cell and Thalassemia,” Medicine Grand Rounds, University of Illinois, Chicago IL
- 7/2019: “Sickle Cell Disease in the 21st Century: Emerging Landscape in Diagnosis, Treatment and Health Outcomes,” Roland B. Scott Symposium, National Medical Association Annual Scientific Conference, Honolulu Hawaii

- 9/2019: “How will genomic therapies change the fate of patients with hemoglobin disorders?” Stem Cell Transplantation in Childhood Symposium, Rome, Italy
- 10/2019: “Cure within Reach: Genomic Therapies for Sickle Cell and Thalassemia,” Medicine Grand Rounds, Northwestern University, Chicago IL
- “Genomic Therapies for Sickle Cell and Thalassemia,” Alexander S. Weiner Memorial Lecture, New York Blood Center, New York City, NY
- “Genomic Approaches in Thalassemia,” Annual Sickle Cell and Thalassemia conference, London, England, UK
- Grand Rounds, NHS Guys’ and St Thomas’ Hospitals, London, England, UK
- 01/2020: Advances in Sickle Cell Disease, Grand Rounds, Morehouse School of Medicine
- 02/2020: “Sickle cell disease and thalassemia,” Highlights of ASH in Mediterranean, Athens, Greece
- 10/2020: “Gamechangers: Progress in Sickle Cell Disease,” Grand Rounds, Levine Cancer Institute, Charlotte, North Carolina
- Alpha Omega Alpha Grand Rounds, Tulane University School of Medicine, New Orleans, LA
- 11/2020: Keynote Speaker, Foundation for Blood Disorders in Women and Girl, Annual Scientific Conference
- 12/2020: “Applying for your first job,” Trainee Workshop, Hemostasis and Thrombosis Research Society
- “Leadership” ASH-a-Palooza Trainee Day, ASH Annual Meeting
- 01/2021 “Hematopoietic Stem Cell Transplantation for Alpha Thalassemia Major,” UCSF Alpha Thalassemia Major conference
- 02/2021 “Gene therapy for hemoglobinopathies,” American Society of Transplantation and Cellular Therapies Annual Meeting
- 03/2021 Panelist, “Sickle Cell Disease and Racial Health Disparities in Underfunded Disease,” American Institute for Medical and Biological Engineering (AIMBE)
- “Sickle cell disease and thalassemia,” Highlights of ASH in Mediterranean
- 04/2021 “Genomic Therapies for Hemoglobinopathies: Ready for Prime Time?” Keynote Speaker, Texas Children’s Cancer and Hematology Centers Research symposium

Part 2

Luminary Speaker, Plenary Session, American Society of Pediatric Hematology Oncology Annual Meeting

06/2021 “Bone marrow transplantation and other curative approaches in thalassemia,” Public Health Webinar Series on Blood Disorders, Center for Disease Control and Prevention

“BMT vs Gene Therapy vs No Cell Therapy: Accessibility, Cost and Outcomes” Invited Plenary Speaker, International Society for Cell and Gene Therapy Annual Meeting

07/2021 “Gene Therapy for Sickle Cell Disease” Sickle Treatment and Outcome Research in the Midwest (STORM) Tele-ECHO Seminar Series

09/2021 Keynote Speaker, “Keeping Our Eyes on the Prize: Improving Health Outcomes in Sickle Cell Disease,” Sickle Cell Disease Foundation of Georgia Annual Conference

11/2021 Grand Rounds, “Are We There Yet: Gene Therapy for Hemoglobinopathies,” Yale University School of Medicine, Department of Pediatrics

Invited Speaker, “Updates on Sickle Cell and Thalassemia,” Turkish Society of Hematology-American Society of Hematology Joint Session, Turkish Hematology National Congress

03/2022 Grand Rounds, “Moving into the Era of Novel Therapies for Hemoglobinopathies: Are we there yet?” Children’s Hospital of Philadelphia, Philadelphia, PA

04/2022 “On Cusp Evaluating the Intricacies of Hematopoietic Stem Cell Transplant and Gene Therapy for Hemoglobinopathies” American Society of Transplantation and Cellular Therapy

05/2022 “Genomic Therapies for Hemoglobinopathies: Ready for Prime Time?” C.J. Watson Memorial Lecture, University of Minnesota, Minneapolis MN

06/2022 Plenary Keynote, “Gene Therapy and Bone Marrow Transplantation in Hemoglobinopathies,” European Hematology Association Annual Meeting, Vienna, Austria

Plenary Keynote, “Progress in Management of Sickle Cell Disease – since 3rd Global Congress in 2017,” Global Sickle Cell Disease Network 4th Global Congress, Paris, France

07/2022 “Curative Therapies: Where Are We Now?” Cooley’s Anemia Foundation Annual Patient and Family Conference, Chicago, IL

- 09/2022 "Update on Curative Therapy for Thalassemia", Beta-Thalassemia GeneReviews, Virtual
- "Sickle Cell Disease: From Past to Present to the Future", Congressional Black Caucus Foundation Annual Legislative Conference, Washington, DC
- 10/2022 "Is Gene Therapy a Cure for Thalassemia?", New York Academy of Sciences, New York, New York
- "Reducing the Sickle Cell Disease Burden with Novel Treatment Targets", Dana Farber Cancer Institute, Chicago, IL
- 11/2022 "Advancing in Curative Therapies for Sickle Cell Disease", Indian Society of Hematology and Transfusions, Kolkata, India
- 01/2023 "Updates on Curative Therapies for Thalassemia", HRSA Thalassemia Central Region ECHO Session, Virtual
- "Sickle Cell Disease", MDTI Lecture, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA
- 02/2023 "Thalassemia and Sickle Cell Disease", Genetic Counseling Student Lecture, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA