

## RAYMOND C. BARFIELD, MD, PHD

Professor of Pediatrics (School of Medicine)  
and Christian Philosophy (Divinity School), with tenure

Education	Institution	Date	Degree
College	Rhodes College Memphis, Tennessee	1986	B.A. Philosophy
Medical School	Emory University School of Medicine Atlanta, Georgia	1993	M.D.
Graduate School	Emory University Atlanta, Georgia	2001	Ph.D. Philosophy

### Professional Training and Academic Career:

Institution	Position/Title	Dates
Emory Affiliated Hospitals Atlanta Georgia	Pediatric Residency	1993–96
Emory Affiliated Hospitals Atlanta, Georgia	Associate Chief Resident	1995–96
Children’s Hospital of Atlanta	Urgent Care Attending Physician, Egleston Children’s HealthCare System	1996–99
Lebonheur Children’s Hospital	Attending Physician, Emergency Department	2000
St. Jude Children’s Research Hospital	Hematology/Oncology Fellow	2000–03
St. Jude Children’s Research Hospital	Bone Marrow Transplant Fellow	2003–04
St. Jude Children’s Research Hospital	Assistant Member, Division of Stem Cell Transplantation, Department of Hematology-Oncology	2004–08
University of Tennessee	Assistant Professor, Department of Pediatrics	2004–08

<b>Institution</b>	<b>Position/Title</b>	<b>Dates</b>
University of Tennessee	Affiliate Professor, Department of Psychiatry	2007–08
Duke University	Associate Professor, Divinity School	2008–17
Duke University Medical Center	Professor with Tenure,	2017–Present
Duke University	Professor, Divinity School	2017– Present
Duke University	Professor, School of Nursing	2017–Present

### **Honors and Awards:**

Phi Beta Kappa  
 Omicron Delta Kappa  
 Alpha Omega Alpha  
 John A. Feagin Leadership in Medicine Award (2018)  
 Leonard B. Tow Humanism in Medicine Award (2019)

### **Institutional Service:**

Egleston Children’s Hospital Bioethics Committee	1994–96
Memphis Bioethics Consortium Advisory Board	2001–03
St. Jude Bioethics Committee (Ethics Chair 2006-2008)	2000–08
Children’s Oncology Group Bioethics Committee	2004–08
Education Committee	2006–08
Palliative Care Task Force	2006–08
Founding Director, Pediatric Palliative Care	2008–16
Founding Director, Theology, Medicine, and Culture	2010–14
Director, Medical Humanities Program, Trent Center	2016–Present
Duke Medical School Admissions Executive Committee	2016–Present
Associate of the Duke Initiative for Science & Society	2017–Present
A Duke Early Childhood Initiative	2017-present
Director, Reimagining Medicine Program	2018-present
Academic Programs Committee	2018-present
Senior Fellow, Kenan Institute for Ethics	2018-present

### **Board Service:**

NCCR DSMB/OSBM for the Rare Diseases Clinical Research Network 2006-2009  
 Board of Directors: Midsouth Bioethics Consortium 2006-2008

Board of Directors: Fulcrum Poetry Press, Inc. 2006-2014

Board of Advisors: The Final Acts Project 2014-present

**Professional Memberships:**

- 1996 Fellow American Academy of Pediatrics
- 2005 American Society of Hematology
- 2005 American Society for Blood and Marrow Transplantation
- 2005 Children's Oncology Group
- 2008 NC Pediatric Society
- 2009 American Academy of Hospice and Palliative Medicine
- 2008 Society for Pediatric Research
- 2008 Society of Christian Philosophers
- 2011 American Pediatric Society

**Invited Reviewer:**

- Pediatric Blood and Cancer
- Bone Marrow Transplantation
- Transplantation
- Journal of Empirical Research on Human-Research Ethics
- International Journal of Pharmaceutical Medicine
- Journal of Pediatrics
- American Journal of Bioethics
- Journal of Nervous and Mental Disease
- Journal of Palliative Medicine
- Journal of Pain and Symptom Management
- Christian Bioethics
- BMC Palliative Care

**Clinical Activity:**

**Type of Practice**

- 1) Pediatric Hematology-Oncology
- 2) Pediatric Quality of Life and Palliative Care

**Time Commitment**

- 20% (inpatient)
- 30% (inpatient)

**University Courses**

- Ethics
- Medical Ethics
- Multi-cultural Perspectives on Death and Dying
- Introduction to Christian Philosophy
- Healing Arts: Illness, Suffering and the Witness of the Church
- Varieties of Atheism
- Theology and Science
- Beauty, Suffering, and the Cross
- Storytelling as a Healing Art
- On Suffering: How Science and Stories Shape Us

## University Tutorials and Directed Studies

Theology, Medicine and Literature  
 Philosophy, Science, Theology  
 Medicine as Ministry  
 Perspectives on Theology and Medicine  
 Philosophy and the Imagination  
 Metaphysics, God, and Time

## Publications:

### Books:

- 1) *The Ancient Quarrel between Philosophy and Poetry* (Cambridge University Press, 2011)
- 2) *Life in the Blind Spot* (poetry, David Robert Books, 2013)
- 3) *Pascal's Wager: What Is It To Be Human?* (Veritas, 2013)
- 4) *The Book of Colors* (a novel, Unbridled Books May, 2015)
- 5) *Wager: Beauty, Suffering, and Being In the World* (Cascade Books, 2017)
- 6) *Dante's New Moon* (poetry, forthcoming, MadHat Press, 2019)
- 7) *The Practice of Medicine as Being in Time* (philosophy, forthcoming, ibidem/Columbia, 2019)
- 8) *The Poetic Apriori: Philosophical Imagination in a Meaningful Universe* (philosophy, forthcoming, ibidem/Columbia, 2019)

### Peer Reviewed Journals (\* first, co-first, or senior author):

- 9) **\*Barfield RC**, Hill DA, Hoffer FA, Tekautz T, Spunt SL. Proceedings of the tumor board of St. Jude Children's Research Hospital: Retroperitoneal Paraganglioma. *Med Pediatr Oncol* 2002; 39:120-124.
- 10) **\*RC Barfield**, M Otto, Jim Houston, Marti Holladay, T Geiger, J Martin, T Leimig, P Gordon, X Chen, R Handgretinger. A one-step large-scale method for T and B cell depletion of mobilized peripheral blood stem cells for allogeneic transplantation. *Cytotherapy*. 2004; 6:1-6.
- 11) **\*Chen X<sup>1</sup>, \*Barfield RC<sup>1</sup>**, Benaim E, Leung W, Knowles J, Lawrence D, Otto M, Shurtleff SA, Neale GAM, Behm FG, Turner V, Handgretinger R. Prediction of T-Cell Reconstitution by Assessment of T-Cell Receptor Excision Circle before Allogeneic Hematopoietic Stem Cell Transplantation in Pediatric Patients. *Blood*. 2005; 105:886-937
- 12) Otto M, **Barfield RC**, Iyengar R, Gatewood J, Muller I, Holladay MS, Houston J, Leung W, Handgretinger R. Human gamma-delta T cells from G-CSF-mobilized donors retain strong tumoricidal activity and produce immunomodulatory cytokines after clinical-scale isolation. *J Immunotherapy* 2005; 28:73-78.
- 13) Otto M, **Barfield RC**, Martin WJ, Iyengar R, Leung W, Leimig T, Chaleff S, Gillies SD, Handgretinger R. Combination immunotherapy with clinical-scale enriched human  $\gamma\delta$  T cells, the monoclonal anti-GD2 antibody hu14.18, and the novel immunocytokine Fc-IL7 enhances survival in a mouse model of disseminated neuroblastoma. *Clin Cancer Res*. 2005; 11:8486-91.
- 14) **\*Barfield R**, Church C. Informed consent in pediatric clinical trials. *Curr Opin Pediatr* 2005; 17:20-24.
- 15) Woodard P, **Barfield R**, Hale G, Horwitz E, Leung W, Ribeiro R, Rubnitz J, Srivastava DK, Tong X, Yusuf U, Raimondi S, Pui CH, Handgretinger R, Cunningham JM. Outcome of

- Hematopoietic Stem Cell Transplantation for Pediatric Patients With Therapy-Related Acute Myeloid Leukemia or Myelodysplastic Syndrome. *Pediatr Blood Cancer*. 2006; 47:931-5.
- 16) \* Inaba H, Hale G, Leung W, Woodard P, Burnette K, Handgretinger R, **Barfield RC**. Diagnostic Challenge in Recurrent Skin Rash After Autologous Bone Marrow Transplantation. *J Pediatr Hematol Oncol* 2006; 28:525-8.
  - 17) Chen X<sup>1</sup>, Hale GA<sup>1</sup>, **Barfield RC**, Benaim E, Leung WH, Knowles J, Horwitz EM, Woodard P, Kasow K, Yusuf U, Behm FG, Hayden RT, Shurtleff SA, Turner V, Srivastava DK, Handgretinger R. Rapid immune reconstitution after a reduced-intensity conditioning regimen and a CD3-depleted haploidentical stem cell graft for paediatric refractory haematological malignancies. *Br J Haematol*. 2006; 135:524-32.
  - 18) \* Caniza MA, Clara W, Maron G, Navarro-Marin JE, Rivera R, Howard SC, Camp J, **Barfield RC**. Establishing Ethical Oversight of Human Subjects Research in El Salvador: Lessons Learned. *Lancet Oncol*. 2006; 7:1027-33.
  - 19) \***Barfield RC**. "Poetic Openings: What Poetry Taught Plato About Philosophy" in *Fulcrum: An Annual of Poetry and Aesthetics*. Eds. Philip Nikolayev and Katia Kapovitch. 2006; 5: 393-420.
  - 20) \* Otto M, Chen X, Martin WJ, Leung W, Knowles J, Holladay M, Houston J, Handgretinger R, **Barfield RC**. Selection of stem cells by using antibodies that target different CD34 epitopes yields different patterns of T-cell differentiation. *Stem Cells*. 2007; 25:537-42.
  - 21) Baker JN, **Barfield RC**, Hinds PS, Kane JR. A Model to Facilitate Decision Making in Pediatric Stem Cell Transplantation: The Individualized Care Planning and Coordination Model. *Biol Blood Marrow Transplant* 2007; 13:245-54.
  - 22) \***R.C. Barfield**, G. A. Hale, K. Burnette, F.G. Behm, K. Knapp, P. Eldridge, R. Handgretinger. Autologous Transplantation of CD133 Selected Hematopoietic Progenitor Cells for Treatment of Relapsed Acute Lymphoblastic Leukemia. *Pediatr Blood Cancer*. 2007; 48:349-53.
  - 23) Chen X, Hale GA, Neale GA, Knowles J, **Barfield RC**, Wang YD, Kaushal D, Naeve DC, Srivastava DK, Tong X, Turner V, Naeve CW, Handgretinger R. A novel approach for the analysis of T-cell reconstitution by using a T-cell receptor beta-based oligonucleotide microarray in hematopoietic stem cell transplantation. *Exp Hematol*. 2007; 35:831-41.
  - 24) Leung W, Ahn H, Rose SR, Phipps S, Smith T, Gan K, O'connor M, Hale GA, Kasow KA, **Barfield RC**, Madden RM, Pui CH. A Prospective Cohort Study of Late Sequelae of Pediatric Allogeneic Hematopoietic Stem Cell Transplantation. *Medicine (Baltimore)*. 2007; 86:215-224.
  - 25) \***Barfield RC**, Chen X, Otto M, Handgretinger R. Beyond the FACS? *Stem Cells* 2007; 25:2972.
  - 26) S Chaleff, M Otto, **RC Barfield**, T Leimig, R Iyengar, J Martin, M Holiday, J Houston, T Geiger, V. Huppert, R Handgretinger. A large scale method for the selective depletion of alpha-beta T-lymphocytes from PBSC for allogeneic transplantation. *Cytotherapy*. 2007; 9:746-54.
  - 27) Baker JN, Hinds PS, Spunt SL, **Barfield RC**, Allen C, Powell BC, Anderson LH, Kane JR. Integration of Palliative Care Principles into the Ongoing Care of Children with Cancer: Individualized Care Planning and Coordination. *Pediatr Clin North Am*. 2008; 55:223-250.
  - 28) J Camp, **RC Barfield**, AJ Young, M Caneza. Challenges Faced by Research Ethics Committees in El Salvador: Results of a Focus Group Study. *Developing World Bioethics*. 2007; 18: 1-7.
  - 29) \* **Barfield RC**. Conscience is the means by which we engage the moral dimension of medicine. *Am J Bioeth*. 2007; 7:26-7.
  - 30) \* Loel K, Young AJ., Neimeyer RA., Baker JN, **Barfield RC**. (2008). Keeping users at the center: Developing a multimedia interface for informed consent. *Technical Communication Quarterly*. 2008; 17: 1-23.
  - 31) Pentz RD, Haight AE, Noll RB, **Barfield RC**, Pelletier W, Davies S, Alderfer MA, Hinds PS. The ethical justification for minor sibling bone marrow donation: a case study. *Oncologist*. 2008; 13:148-51.

- 32) Tamburro RF, **Barfield RC**, Shaffer ML, Rajasekaran S, Woodard P, Morrison RR, Howard SC, Fiser RT, Schmidt JC, Sillos EM. Changes in outcomes (1996-2004) for pediatric oncology and hematopoietic stem cell transplant patients requiring invasive mechanical ventilation. *Pediatr Crit Care Med*. 2008; 9:270-7.
- 33) Rodriguez-Galindo C, Wilson MW, Chantada G, Fu L, Qaddoumi I, Antoneli C, Leal-Leal C, Sharma T, Barnoya M, Epelman S, Pizzarello L, Kane JR, **Barfield RC**, Merchant TE, Robison LL, Murphree AL, Chevez-Barríos P, Dyer MA, O'Brien J, Ribeiro RC, Hungerford J, Helveston EM, Haik BG, Wilimas J. Retinoblastoma: One World, One Vision. *Pediatrics*. 2008; 122:e763-70.
- 34) **\*Barfield RC**, Kane JR. Balancing Disclosure of Diagnosis and Assent for Research in Children with HIV. *JAMA*. 2008; 6;300:576-8.
- 35) Chotsampancharoen T, Gan K, Kasow KA, **Barfield RC**, Hale GA, Leung W. Iron overload in survivors of childhood leukemia after allogeneic hematopoietic stem cell transplantation. *Pediatr Transplant*. 2009; 13:348-52.
- 36) Fernandez CV, Gao J, Strahlendorf C, Moghrabi A, Pentz RD, **Barfield RC**, Baker JN, Santor D, Weijer C, Kodish E. The return of research results to participants: Attitudes and needs of adolescents and parents of children with cancer. *J Clin Oncol*. 2009; 20;27:878-83.
- 37) Chen X, Knowles J, **Barfield RC**, Kasow KA, Madden R, Woodard P, Srivastava DK, Horwitz EM, Handgretinger R, Hale GA. A novel approach for quantification of KIR expression in healthy donors and pediatric recipients of haploidentical hematopoietic stem cell transplantation. *Bone Marrow Transplant*. 2009; 43:525-32.
- 38) **\*Schmidt M, Barfield RC**. Visualizing Meaningful Assent: Interactive Media Design for Pediatric Advance Care Planning. *Int J Healthcare Humanities*. 2008; 2: 1-5.
- 39) **\* Barfield RC**, Kasow KA, Hale GA. Advances in Pediatric Hematopoietic Stem Cell Transplantation. *Cancer Biol Ther*. 2008; 7:1533-9.
- 40) Call SK, Kasow KA, **Barfield RC**, Madden R, Leung W, Horwitz E, Woodard P, Panetta JC, Baker S, Handgretinger R, Rodman J, Hale GA. Total and Active Rabbit Antithymocyte Globulin (rATG;Thymoglobulin) Pharmacokinetics in Pediatric Patients Undergoing Unrelated Donor Bone Marrow Transplantation. *Biol Blood Marrow Transplant* 2009; 15: 274-278.
- 41) Kasow KA, Krueger J, Srivastava DK, Li C, **Barfield RC**, Leung W, Horwitz EM, Madden R, Woodard P, Hussain I, McCarville MB, Handgretinger R, Hale GA. Clinical utility of computed tomography screening of chest, abdomen, and sinuses before hematopoietic stem cell transplantation: the St. Jude experience. *Biol Blood Marrow Transplant*. 2009; 15:490-5.
- 42) **\*Navid F, Armstrong M, Barfield RC**. Immune Therapies for Neuroblastoma. *Cancer Biol Ther*. 2009; 8:874-82.
- 43) Read K, Fernandez CV, Gao J, Strahlendorf C, Moghrabi A, Pentz RD, **Barfield RC**, Baker JN, Santor D, Weijer C, Kodish E. Decision-making by Adolescents and Parents of Children With Cancer Regarding Health Research Participation. *Pediatrics*. 2009; 124:959-65.
- 44) Rajasekaran S, Jones DP, Avent Y, Shaffer ML, Elbahlawan L, Henderson N, **Barfield RC**, Morrison RR, Tamburro RF. Outcomes of Hematopoietic Stem Cell Transplant (HSCT) Patients who Received Continuous Renal Replacement Therapy (CRRT) in a Pediatric Oncology Intensive Care Unit. *Pediatr Crit Care Med*. 2010;11:699-706.
- 45) **\*Young AJ, Kim L, Barfield RC**. Agency and Communication Challenges in Discussions of Informed Consent in Pediatric Cancer Research. *Qual Health Res*. 2010; 20:628-43
- 46) **\* Barfield RC**, Brandon D, Thompson J, Harris N, Schmidt M, Docherty S. Mind the Child: Using Interactive Technology to Improve Child Involvement in Decision Making About Life-limiting Illness. *Am J Bioeth*. 2010; 10:28-30.

- 47) Sorkin LS, Otto M, Baldwin WM 3rd, Vail E, Gillies SD, Handgretinger R, **Barfield RC**, Ming Yu H, Yu AL. Anti-GD2 with an FC point mutation reduces complement fixation and decreases antibody induced allodynia. *Pain*. 2010; 149:135-42.
- 48) \* Navid F, Santana VM, **Barfield RC**. Anti-GD2 Antibody Therapy for GD2-Expressing Tumors. *Curr Cancer Drug Targets*. 2010; 10:200-9.
- 49) \* Belyea B, Hinson A, Moran C, Hwang E, Heath J, **Barfield RC**. Spontaneous Resolution of Epstein-Barr Virus-Associated Hemophagocytic Lymphohistiocytosis in Two Pediatric Patients. *Pediatr Blood Cancer*. 2010; 55:754-6.
- 50) Elbahlawan L, West NK, Avent Y, Cheng C, Liu W, **Barfield RC**, Jones DP, Rajasekaran S, Morrison RR. Impact of continuous renal replacement therapy on oxygenation in children with acute lung injury after allogeneic hematopoietic stem cell transplantation. *Pediatr Blood Cancer*. 2010; 55:540-5.
- 51) \* Delgado E<sup>1</sup>, \***Barfield RC**<sup>1</sup>, Baker JN, Hinds PS, Yang J, Nambayan A, Quintana Y, Kane JR. Limited availability of palliative care services for children with cancer in economically diverse regions of the world. *Eur J Cancer*. 2010; 46:2260-6.
- 52) \*Moran C, Thornburg CD, **Barfield RC**. Ethical Considerations for Pharmacogenomic Testing in Pediatric Clinical Care and Research. *Pharmacogenomics*, 2011; 12:889-95.
- 53) \*Elbahlawan L, Quasney MW, Pei D, Srivastava DK, Dahmer MK, McArthur J, **Barfield RC**. IL-1beta-511 polymorphism is associated with post allogeneic hematopoietic stem cell transplant complications in a pediatric cohort. *J Pediatr Hematol Oncol*. 2012 Apr;34(3):175-9
- 54) Kasow KA, Stewart CF, **Barfield RC**, Wright NL, Li C, Srivastava DK, Leung W, Horwitz EM, Bowman LC, Handgretinger R, Hale GA. A Phase I/II Study of Cyclophosphamide and Topotecan in Patients with High-Risk Malignancies Undergoing Autologous Hematopoietic Cell Transplantation: The St. Jude Long-term Follow-up. *Bone Marrow Transplant*. 2012 Nov; 47(11) :1448-54.
- 55) Tan JS, Docherty SL, **Barfield RC**, Brandon DH. The Impact of the Illness Trajectory on Parental Bereavement Support Needs Following the Death of an Infant with a Complex Chronic Condition. *J Palliat Med*. 2012 May;15(5):579-84
- 56) Vavere AL, Butch ER, Dearling JL, Packard, AB, Navid F, Shulkin BL, **Barfield RC**, Snyder SE. <sup>64</sup>Cu-p-NH<sub>2</sub>-Bn-DOTA-hu14.18K322A, a PET radiotracer targeting neuroblastoma and melanoma, *J Nucl Med*. 2012 Nov;53(11):1772-8.
- 57) Docherty SL, Thaxton C, Allison C, **Barfield RC**, Tamburro RF. The nursing dimension of providing palliative care to children and adolescents with cancer. *Clinical Medicine Insights: Pediatrics*, 2012;6 75–88.
- 58) Berlinger N, **Barfield RC**, Fleischman AR. Facing Persistent Challenges in Pediatric Decision-Making: New Hastings Center Guidelines. *Pediatrics*. Published online October 7, 2013.
- 59) Selman L, Speck P, **Barfield RC**, Gysels M, Higginson IJ, Harding R. Holistic models for end of life care: establishing the place of culture. *Progress in Palliative Care*, April, 2014: 22, 80-87.
- 60) Navid F, Sondel PM, **Barfield RC**, Shulkin BL, Kaufman RA, Allay JA, Gan J, Hutson P, Seo S, Kim KM, Goldberg J, Hank JA, Billups CA, Wu J, Furman WL, McGregor LM, Otto M, Gillies SD, Handgretinger R, Santana VM. Phase I Trial of a Novel Anti-GD2 Monoclonal Antibody, hu14.18K322A, Designed to Decrease Toxicity, in Children with Refractory or Recurrent Neuroblastoma. *J Clin Oncology* 2014 May 10;32(14):1445-52.
- 61) Atlas M, Adams D, Aygun B, **Barfield RC**, Eisenman K, Fulbright J, Garvey K, Kersun L, Rao AN, Reilly A, Sharma M, Shereck E, Wang M, Watt T, Leavey P. Humanism and Professionalism Education for Pediatric Hematology-Oncology Fellows: A Model for Pediatric Subspecialty Training. *Pediatr Blood and Cancer*. 2015 Feb; 62(2) :335-340.
- 62) \***Barfield RC**. Pediatric Oncology and Palliative care. *NC Medical Journal*, 2014;75 276-277.

- 63) Sanchez AM, Johnson , Kane JR, Kasow KA, Quintana Y, Coan A, Yuan Y, **Barfield RC**, Church C, Hester M, Baker JN. Ethical Decision-Making about End-of-Life Care Issues by Pediatric Oncologists in Economically Diverse Settings. *J Pediatr Hematol Oncol*, 2015 May;37(4):257-63.
- 64) **\*Barfield RC**. Mortals Telling Stories on the Threshold of Mystery. *Comment Magazine*, September, 2015.
- 65) **\*Sayour EJ**, Mousallem T, Van Mater D, Martin P, Buckley RH, **Barfield RC**. Bone marrow transplantation for common variable immunodeficiency with associated red cell aplasia. *Pediatr Blood Cancer*. 2016 Oct;63(10):1856-9.
- 66) **\*Schuster JL**, **Barfield RC**. The Miracle in Front of You: On Practicing Medicine with Compassion. *The Sun*, 2016; 481: 4-15.
- 67) **\*Barfield RC**. To See the World in a Grain of Sand. *Comment Magazine*, December, 2017.
- 68) Superdock KA, **Barfield RC**, Brandon DH, Docherty SL. Exploring the Vagueness of Religion & Spirituality in Complex Pediatric Decision-Making: A Qualitative Study. *BMC Palliative Care*. 2018 Sept; 17: 117.
- 69) **\*Parikh SH**, Pentz RD, Haight A, Adeli M, Martin PL, Driscoll TA, Page K, Kurtzberg J, Prasad VK, **Barfield RC**. Ethical considerations of using a single minor donor for three bone marrow harvests for three HLA-matched siblings with primary immunodeficiency. *Pediatr Blood Cancer*. 2019 Apr; 66(4).

#### Book Chapters, Encyclopedia Articles, and Review Articles

- 70) Rupert Handgretinger, Vicky Turner, **Raymond Barfield**. “Hematopoietic Stem Cell Transplantation” in *Childhood Leukemia*, 2<sup>nd</sup> Edition, ed. Ching-Hon Pui. Cambridge Press. 2006.
- 71) **\*Barfield RC**, Kodish E, “Bioethics Issues in Stem Cell Transplantation” in *Pediatric Bone Marrow Transplantation*, ed. Ron Kline. Merck, 2006.
- 72) **\*Raymond C. Barfield**, MD, PhD, Eric Kodish, MD. Pediatric Ethics in the Age of Molecular Medicine. *Pediatr Clin N Am* 53 (2006) 639–648.
- 73) **\*Scott Howard and Raymond Barfield**. “Leucemias cronicas en edad pediatrica” in *Oncologia Pediatrica*, ed. Luis Sierrasesumaga and Federico Antillon Klussmann. Pearson Educacion, S.S., Madrid, 2006.
- 74) Robert Tamburro, **Raymond Barfield**, Sandy Call, Monika Metzker, Terrence Geiger, Kenneth Gow. “Care of the oncology patient in the PICU” in *Pediatric Critical Care Medicine: Basic Science and Clinical Evidence*, eds Hector Wong, Thomas Shanley and Derek Wheeler. Springer, July 2, 2007.
- 75) Robert Tamburro, **Raymond Barfield**. “Tumors of the Central Nervous System” in *Pediatric Critical Care Medicine: Basic Science and Clinical Evidence*, eds Hector Wong, Thomas Shanley and Derek Wheeler. Springer, July 2, 2007.
- 76) **\*Church C, Barfield RC**, Children in Medical Research: Access versus Protection (Review), *Perspectives in Biology and Medicine*, Volume 51, Number 2, Spring 2008.
- 77) **\*Raymond Barfield**, Eric Kodish. “Ethical considerations in pediatric oncology clinical trials” in *Oncology of Infancy and Childhood*. Eds. David Nathan, Stuart Orkin, David Fisher, David Ginsberg, Samuel Lux, A. Thomas Look. Saunders (June 3, 2009).
- 78) **\*Raymond Barfield**. “Informed consent”. *Encyclopedia of Death and the Human Experience*, eds. D.L. Peck and C.D. Bryant, Sage Publications, Inc (July 15, 2009).
- 79) **\*Raymond Barfield**. “The History of Bioethics”. *Encyclopedia of Death and the Human Experience*, eds. D.L. Peck and C.D. Bryant, Sage Publications, Inc (July 15, 2009).



- 80) **\*Raymond Barfield.** “Brain Death”. Encyclopedia of Death and the Human Experience, eds. D.L. Peck and C.D. Bryant, Sage Publications, Inc (July 15, 2009).
- 81) **\*Raymond Barfield.** “Clinical Perspectives on Death”. Encyclopedia of Death and the Human Experience, eds. D.L. Peck and C.D. Bryant, Sage Publications, Inc (July 15, 2009).
- 82) **\*Raymond Barfield** and Lucy Selman. “The Humanities, Spirituality and Healthcare”. Health and Humanities Reader, eds. Therese Jones and Lester Friedman, Rutgers University Press (2013).
- 83) Sharron Docherty, **Raymond Barfield**, Cheryl Thaxton, Debra Brandon. “Care across the Trajectory of Illness for Children and Families Living with or Dying from Chronic or Complex Diseases” in Wong’s Essentials of Pediatric Nursing, 9<sup>th</sup> edition, ed. Marilyn J. Hockenberry (2012).
- 84) **\*Robert Greiner**, Stacey Peterson-Carmichael, **Jennifer Rothman**, Kenneth Gow, Robert Tamburro, **Raymond Barfield.** "Care of the Oncology Patient in the PICU" in *Pediatric Critical Care Medicine: basic Science and Clinical Evidence, 2nd edition.* Eds. Derek S. Wheeler, Hector R. Wong, Thomas P. Shanley. (Springer: London) (forthcoming, 2012).
- 85) **\*Robert Greiner**, Kevin Mulieri, Robert Tamburro, **Raymond Barfield.** “Critical Illness as a Result of Anti-neoplastic Therapy” in *Pediatric Critical Care Medicine: basic Science and Clinical Evidence, 2nd edition.* Eds. Derek S. Wheeler, Hector R. Wong, Thomas P. Shanley. (Springer: London) (2012).
- 86) Robert Tamburro, **Raymond Barfield**, Amar Gajjar. “Tumors of the Central Nervous System” in *Pediatric Critical Care Medicine: basic Science and Clinical Evidence, 2nd edition.* Eds. Derek S. Wheeler, Hector R. Wong, Thomas P. Shanley. (Springer: London) (2012).
- 87) **\*Raymond Barfield**, Philip Rosoff, Eric Kodish. “Ethical Decision Making in Pediatric Oncology Clinical Trials” in *Oncology of Infancy and Childhood.* Eds. David Nathan, Stuart Orkin, David Fisher, David Ginsberg, Samuel Lux, A. Thomas Look. Saunders (2013).
- 88) **\*Raymond Barfield.** “The Naming of ‘That’s’ Is a Difficult Matter: T.S. Eliot on Knowledge and Experience in the Philosophy of F.H. Bradley” in *The Battersea Review.* Ed. Ben Mazer. Vol 1, No. 3, Summer 2013.
- 89) **\*Chi Dang Hornik**, Cait O’Donnell, **Raymond Barfield.** “Ethical Considerations in Pharmacogenomic Testing and Research in Pediatrics” in *Handbook of Pharmacogenomics and Stratified Medicines.* Ed. Sandosh Padmanabhan. Elsevier Press (2014).
- 90) Sharron Docherty, **Raymond Barfield**, Debra Brandon. “Quality of Life for Children and Families Living with or Dying from Chronic or Complex Diseases” in Wong’s Essentials of Pediatric Nursing, 10<sup>th</sup> edition, ed. Marilyn J. Hockenberry (2015).
- 91) Sarah Barton, Lucy Selmann, **Raymond Barfield.** “Spirituality in Pediatrics” in *Spirituality and Religion within the Culture of Medicine: From Evidence to Practice.* Ed. Michael Balboni and John Peteet. Oxford University Press, 2016.
- 92) **\*Raymond Barfield.** Poetic Imagination in the Dock. Journal of Poetics Research, 2017.
- 93) **\*Raymond Barfield.** Gethsemane Hospital. The Mockingbird, Summer, 2017: 95-103.
- 94) Sharron Docherty, **Raymond Barfield**, Debra Brandon. “Palliative Care for Children and Families Living with or Dying from Chronic or Complex Diseases” in Wong’s Essentials of Pediatric Nursing, 11<sup>th</sup> edition, ed. Marilyn J. Hockenberry (2018).
- 95) **\*Raymond Barfield**, Marina Tsaplina. “Imagination in Medicine, Humanities, and the Arts” in *Companion for Health Humanities,* ed. Paul Crawford, Brian Brown, and Andrea Charise (forthcoming 2019).

## Poems

- 96) "Watching Hubert Humphrey think of world events," *Scroll*, February, 2002.
- 97) "The bread vendor," *Medicinal Purposes*, Vol. II, No. IX, 2003.
- 98) "The axel straddles the track," *The Baltimore Review*, Summer/Fall 2003
- 99) "Millstone," *The Sow's Ear*, Vol. XIII, No. 3, Fall, 2003.
- 100) "The classics scholar in Vienna, old and near death, as is his wife, the wife of his youth," *Mobius: The Poetry Magazine*, Spring and Summer, 2003.
- 101) "Immanuel Kant's volcanoes in the moon," *Poetry Depth Quarterly*, September 2003.
- 102) "On the birth of flies," *360 Degrees: Art and Literary Review*, October, 2003
- 103) "The formal gargoyle," *Iambs and Trochees: A Journal of Metrical Verse*, Fall/Winter 2003.
- 104) "Salt bones and holy sands," *The Carolina Quarterly*, Vol. 55, No. 2, Spring 2003.
- 105) "Doll in a porcelain cave," *The Florida Review*, Vol. 29, No. 1, 2004.
- 106) "Knowing certain things," *Northeast*, Series VIII, No. 2, January 2004.
- 107) "A mystery for breakfast," *Free Lunch*, No. 32, Winter 2004.
- 108) "Meditation on the jellyfish," *The Lyric*, Vol. 84, No. 2, Spring 2004.
- 109) "Geography and a thumb," *Timber Creek Review*, Vol. 10, No. 2, Summer 2004.
- 110) "On formally undecidable propositions," *Timber Creek Review*, Vol. 10, No. 3, Fall 2004.
- 111) "Looking for a, thinking of a," *The Midwest Quarterly: A Journal of Contemporary Thought*, Vol. XLV, No. 2, Winter 2004.
- 112) "The dog of Pompeii," *Slant: A Journal of Poetry*, Summer, 2006.
- 113) "Chronicles of Iddo the seer: the dry clay eye of love," *Fulcrum: an annual of poetry and aesthetics*. No. 5, 2006.
- 114) "Traces in Creation Like Knowing the Color Blue," *The Carolina Quarterly*, Vol. 67, Fall, 2017.
- 115) "Boy Passing Diogenes in Public Square," *The Carolina Quarterly*, Vol. 67, Fall, 2017

### Invited Working Groups

- 1) Veritas Riff – Collaborative for Creating Leaders in Cultural Change (Boston: 2 year fully funded program, by invitation).
- 2) Palliative Care in Africa (Tunisia: World Health Organization forum for addressing end of life challenges in Africa, by invitation).
- 3) *Luke's Passion* – a one-year grant-funded working collaborative between Duke University and Cambridge University to create a commissioned choral work on Luke's Passion with composer James MacMillan.
- 4) Veritas Riff 2.0 – Collaborative for Leaders in Culture Change (Palo Alto, by invitation).

### Invited Presentations:

- 1) Oregon Health and Science University, Department of Pediatric Hematology and Oncology (Portland, Oregon 2004) "Allogeneic transplantation for high risk solid tumors: building a strategy".
- 2) Cincinnati Children's Hospital, Department of Pediatric Hematology and Oncology (Cincinnati, Ohio 2004) "Allogeneic stem cell transplantation for high risk solid tumors".
- 3) University of Memphis (Memphis, Tennessee, 2006). "Use of interactive media technology in informed consent for pediatric clinical trials".
- 4) International retinoblastoma conference (Memphis, Tennessee 2007) "Ethical decision making in the care of seriously ill children".
- 5) Emory University, Center for Bioethics and Public Policy (Atlanta, Georgia 2007) "Ethical decision making in pediatric clinical trials".

- 6) Medical College of Wisconsin (Milwaukee, Wisconsin, 2007) “Advancing Research in Neuroblastoma: Immune therapy and the Ethics of Phase I Trials”.
- 7) Pennsylvania State University (Hershey, Pennsylvania, 2007) “Advancing Therapies for Children: Balancing Clinical, Ethical and Quality of Life Considerations”.
- 8) Duke University (Durham, North Carolina, 2007) “Phase I trials, Palliative care and Ethical Decision Making in Pediatric Research”.
- 9) American Society for Bioethics and Humanities (Washington, DC, 2007) “Medicine, Design and Ethics: Bridging Disciplines to Enable Meaningful Assent in Pediatric Phase I Trials”.
- 10) University of Memphis (Memphis, Tennessee, 2007). “Ethical issues in Pediatric Phase I Trials”.
- 11) University of Wisconsin – Madison (Madison, Wisconsin, 2007) “Phase I trials, Palliative care and Ethical Decision Making in Pediatric Research”.
- 12) American Society for Bioethics and Humanities (Cleveland, Ohio, 2008) “Future Imperfect: Legacy Building with the Ill or Dying Child”
- 13) Association of Pediatric Oncology Nurses, NC Chapter (North Carolina, 2009) “Integrating the Principles of Pediatric Palliative Care into Practice”.
- 14) University Scholars Annual Symposium, Keynote Address (Duke University, 2009) “The Joy of Culture Hopping: From Socrates’ Poet-Free Republic to Duke’s Pediatric Cancer Service”.
- 15) Duke University, Department of Pediatrics, Grand Rounds (North Carolina, 2009) “Putting the Patient at the Center: Integrating the Principles of Palliative Care into the Mainstream of Pediatric Medicine”.
- 16) University of North Carolina, Chapel Hill, Department of Pediatrics (North Carolina, 2009) “Communication at the End of Life in Pediatrics”.
- 17) Project Compassion Annual Conference, Keynote address (North Carolina, 2010) “Partnering with Children in Pediatric Illness”.
- 18) North Carolina Pediatric Oncology Consortium, Keynote address (North Carolina, 2010) “Pediatric Research and the IRB”.
- 19) University of North Carolina, Address to Chaplains (North Carolina, 2010) “Pediatric Palliative Care”.
- 20) Lifelines: Poetry for our Patients, our Communities and Ourselves, Healing Arts Network at Duke and Trent Ethics Center conference on Poetry and Medicine, closing address (North Carolina, 2010) “Poetry, Beauty and Suffering”.
- 21) Duke University Urology Grand Rounds (North Carolina, 2010) “Improving Pediatric Quality of Life”.
- 22) North Carolina Pediatric Palliative Care Coalition (North Carolina, 2010) “Building a Pediatric Palliative Care Program”.
- 23) Community Home Health Care and Hospice Medical Director’s annual conference (Asheville, NC, 2010) “Strategies for Improving Quality of Life for Children”.
- 24) The Veritas Forum (University of Oklahoma, 2011) “What Is It to Be human? Beauty, Suffering and Being in the World”.
- 25) Community Home Health Care and Hospice Medical Director’s annual conference (South Carolina, 2011), “Having ‘The Talk’: Communication with Seriously Ill Patients”.
- 26) University of North Carolina, Ethics Grand Rounds (North Carolina, 2012) “Why Ethical Decision Making in Complex Pediatric Disease Requires the Art of Story-telling”.
- 27) The Veritas Forum (Tulane University, February, 2012), “God, Medicine and Suffering”.
- 28) “Addressing Death in American Health Care” UCLA (April, 2012).
- 29) “Does God Care? Seeking the Meaning of Life in the Midst of Suffering and Death” UCLA (April, 2012).

- 30) “Perfect Love Casts out Fear” (commencement address, Messiah College, May 2012, 7000 people present)
- 31) Millbrook Baptist Church (North Carolina, 2012) “Meaning in Medicine”.
- 32) Hudson Memorial Presbyterian Church (North Carolina, 2012) “God, Medicine and Suffering: Does the Church Have Anything to Say?”.
- 33) “Suffering” (McMaster University, Canada, 2013).
- 34) “Being Human in the Strange World of Medicine” (McMaster University, Canada, 2013).
- 35) “Being Human in the Strange World of Medicine” (Michigan State, 2013).
- 36) “Why Medicine Needs the Church” (Durham, NC, 2013).
- 37) “Common Spiritual Issues in Pediatric Palliative Care” (ASHPM workshop, New Orleans, LA, 2013)
- 38) “Introduction to Pediatric Palliative Care” (ELNEC workshop, Durham, NC, 2013).
- 39) Keynote address at Duke Day of Remembrance (Durham, NC, 2013).
- 40) “Wishing for God: Is there Really Hope in Suffering?” (William and Mary College, VA, 2013).
- 41) “Healing a Suffering World: Is Medicine Enough?” (University of Pennsylvania, 2014).
- 42) “Theology, Medicine, and the Arts,” (Dallas, February 2015).
- 43) “Where is God in Medicine?” (University of Denver, Institute for Ethics and Humanities, February 2015).
- 44) “Let This Cup Pass.” (Annual Christian Surgeon’s Conference, March 2015).
- 45) “Brain Surgery with Words.” (Grand Rounds, Dell Children’s Hospital, Austin, April 2015).
- 46) “Doctor, a Conductor, and Death Walk Into A Bar ... Artistic Intersections With Our Final Act.” (Keynote, The Final Acts Project, Austin, April 2015).
- 47) “Pediatric Palliative Care” (Wilmington Health System, 2016).
- 48) “Addiction in Pediatric Medicine” (Wilmington Health System, 2016).
- 49) “Pediatric Palliative Care” (Grand Rounds, Yale University, 2016).
- 50) “Beginning with the End in Mind: Death in Medicine” (Mayo Clinic, 2016).
- 51) “Race” (The Monti, 2016).
- 52) “Standing in Hope Amidst Suffering – Christian Teaching on Suffering and Death” (Myer’s Park Methodist, 2016).
- 53) “Pediatric Palliative Care” (Carolinas Center, 2016).
- 54) “Brain Surgery with Words” (Texas Children’s Hospital, 2016)
- 55) “Suffering and Flourishing: Perseverance and Faith in the midst of Pain” (Trinity Forum, National Press Club, Washington, DC, 2016)
- 56) “Leadership in Medicine” (Feigen Scholars Leadership Program, 2017).
- 57) “The Role of Imagination in Medicine” (Theology, Medicine, and Culture, 2017).
- 58) “End of Life Care with Children” (Campbell Medical School, 2017).
- 59) “Does God Care?” (Swarthmore, 2017).
- 60) “Miracles, and Medicine in Complex Decision Making” (Grand Rounds, Duke, 2017).
- 61) “The Role of Imagination in the Practice (and Endurance) of Modern Medicine” (MAHEC Ethics Conference, 2017).
- 62) “Selfless Leadership in Medicine” (Feigen Leadership Conference, 2017).
- 63) “I Wasn’t Trained for This: God, Miracles, and Medicine in Complex Decision Making” (Grand Rounds, University of Pennsylvania, 2017).
- 64) “Why We Should Listen: Patient Satisfaction, Burnout, and Ethical Medicine” (Baylor Ethics Seminar, Baylor University, 2017).
- 65) “Keepers of the House” (Franklin Humanities Institute, Duke University, 2017).
- 66) “Flourishing in Medicine” (St. Andrews University, 2017).
- 67) “Nurse Retention, Burnout, and Leadership Development” (Iredell Health System, 2017).

- 68) “Storytelling in Complex Decision Making” (Indiana University, 2017).
- 69) “Flourishing in Medicine” (Campbell Medical School, 2018).
- 69) “The Pursuit of Wholeness: perspectives on hope and suffering in medicine” (University of Washington, 2018).
- 70) “A Hesitant Intimacy: Medicine’s Response to the Unchosen Vulnerability of the Sick and Suffering” (Washington and Lee, 2018).
- 71) “Strategies for Addressing the Opioid Crisis” (Holy Friends Conference, Bristol, TN, 2018).
- 72) “Perspectives on Human Suffering” (University of Massachusetts, Amherst, 2018).
- 73) “Religious Influences on Complex Decision Making in Medicine” (Emory University, Visiting Professor, 2018).
- 74) “Living and Dying Well” (The Ohio State University, 2018).
- 75) “How Storytelling Has Made Me a Better Doctor in the Age of High-Tech Medicine” (UNC Medical School, Asheville, 2018).
- 76) “How Storytelling Taught Me that Talking About Death Is Part of Living a Great Life” (John Bunker Lecture, Cape Cod, MA, 2018).
- 77) “How to Stare Down Deep with Suffering Patients” (with Kate Bowler, Practice and Presence Conference, Durham, NC, 2018).
- 78) “How Patients and Their Families Taught Me to Be a Better Doctor and a Better Human Being” (Keynote, Tribute to Quiet Heroes, Atlanta, Georgia, 2018).
- 79) “The Truth of the Experience: How We Can Get to a Deeper Understanding of Our Patients’ Wishes” (Keynote, Advanced Care Planning Conference, Lansing, Michigan, 2018).
- 80) “The Role of Patient-and-Family Faith in Miracles in Complex Medical Decision Making” (University of Michigan, 2018).
- 81) “Why Storytelling Is the Heart of Great Healthcare” (Keynote, Narrative Medicine Symposium, Appalachian State University, 2018).
- 82) “The Spirituality of Imperfection” (Baylor University, 2019).
- 83) “Reframing Failure” (Baylor University, 2019).
- 84) “Pediatric Quality of Life for Children with Neurological and Developmental Challenges” (Pediatric Neurology and Development Conference, Durham, NC, 2019).

#### External Support - Gifts, Grants, and Contracts:

	PI	Purpose	Amount	Approximate Duration
<b>a) Past:</b>	Raymond Barfield	Greenwall Foundation: To develop interactive media support for informed consent in pediatric phase I trials	\$85,000	6/1/2005-5/31/2006

	<b>PI</b>	<b>Purpose</b>	<b>Amount</b>	<b>Approximate Duration</b>
	Conrad Fernandez	Canadian Institutes of Health Research: To explore preferences among parents and adolescents regarding return of research results	\$145,000	7/2006-6/2008
	Raymond Barfield	Greenwall Foundation: Improving interactive media support for the process of pediatric assent and decision making	\$50,000	6/2008-5/2009
	Raymond Barfield	Hyundai Hope on Wheels: Improving Pediatric Quality of Life	\$100,000	9/14/2010-12/31/2012
	Gary Maslow	Templeton Foundation: Growing Up Sick: The Development of Character for Youth with Chronic illness	\$325,000	02/01/2013-08/01/2015
	Raymond Barfield	Duke Ahead: Medical Improvisation as a Technique for Teaching Communication	\$5,000	08/01/2016-06/01/2017
	Raymond Barfield	Josiah Trent Foundation: Medical Improv Initiative	\$4,480	08/01/2016-06/01/2017
	Raymond Barfield	Duke AHEAD Resident Burnout	\$5000	8/1/2017-8/1/2018

	<b>PI</b>	<b>Purpose</b>	<b>Amount</b>	<b>Approximate Duration</b>
	Raymond Barfield	Reimagine Medicine	\$100,000	5/1/2018-7/15/2018
<b>a) Present:</b>	Raymond Barfield	Bass Connections Expressive Writing	\$16,000	7/1/2018-7/1/2019
	Raymond Barfield	Reimagine Medicine	\$100,000	1/1/2019-12/30/2019

**INDs**

- 1) IND 12787: Haploidentical Stem Cell Transplantation Utilizing T-Cell Depletion as Therapy for Patients with Recurrent or Refractory Neuroblastoma or Ewing's Sarcoma.
- 2) IND 100617: A Phase I Trial of the Humanized anti-GD2 antibody (Hu14.18K322A) in Children and Adolescents with Neuroblastoma or Melanoma.