



# Martin Andreansky, M.D., Ph.D.

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## PROFESSIONAL SUMMARY

I am a pediatric bone marrow transplant physician with Baylor College of Medicine and director of the Pediatric Blood and Marrow Transplant Program at The Children's Hospital of San Antonio. I am also a physician scientist with experience in molecular biology and infectious diseases. After graduating from medical school, I completed a postdoctoral research fellowship working on expression of retroviral proteases in bacterial systems. Next, I trained as a pediatrician and pediatric oncologist, culminating this clinical training with a one-year fellowship in pediatric stem cell transplantation at St. Jude Children's Research Hospital.

As the Director of Bone Marrow Transplant at the University of Miami, I led the program through the initial Foundation for Cellular Therapy (FACT) accreditation and three successful re-accreditations. Under my leadership, the program evolved as the largest pediatric stem cell transplant program in South Florida. I also focused on improving the standard of practice in pediatric bone marrow transplantation. In addition, I contributed to studies in minimal residual disease in leukemia and was involved in the development of novel immunological target such as chimeric receptors that drive T cell stimulation.

I am actively involved in principal investigator-initiated clinical trials at The Children's Hospital of San Antonio in conjunction with Baylor College of Medicine. As a member of the Children's Oncology Group, I participate and collaborate on nationally conducted clinical trials for children undergoing transplantation.

**The Children's Hospital of  
San Antonio**

**333 North Santa Rosa St.  
San Antonio, Texas 78207**

**Appointments  
210.704.2187**

**[chofsa.org/bmt](http://chofsa.org/bmt)**



## MEDICAL EDUCATION

**M.D., Honorable Mention.** Comenius University, Jesenius Medical School, Martin, Czechoslovakia, September 1979 – June 1985

**Ph.D. in Biochemistry.** Institute of Molecular Genetics, Czechoslovak Academy of Sciences, Prague, Czechoslovakia. Thesis: "Expression and Processing of Precursors of Retroviral Proteinases in E. coli." Thesis Advisor: Dr. Juraj Sedlacek; July 1985 – December 1990



### **Postgraduate Training**

Pediatric Residency PennState University, The Milton S. Hershey Medical Center Children's Hospital Department of Pediatrics, Hershey, Pennsylvania, July 1996 - June 1999

Combined Fellowship in Pediatric Hematology-Oncology and Pediatric Infectious Diseases, St. Jude Children's Research Hospital and University of Tennessee College of Medicine Le Bonheur Children's Medical Center, Memphis, Tennessee, July 1999 - June 2003

Clinical Fellowship in Pediatric Stem Cell Transplantation  
St. Jude Children's Research Hospital, Memphis, Tennessee, July 2003 - June 2004

### **Visiting Fellow**

Pediatric Bone Marrow Transplant Service  
Seattle Children's Hospital and Fred Hutchinson Cancer Center, Seattle, Washington, February - March 2004

Dr. Juraj Sedlacek's Laboratory: HIV-1, HIV-2, Bovine leukemia virus and Mason-Pfizer monkey virus proteinase expression and mutagenesis. Institute of Molecular Genetics, Czechoslovak Academy of Sciences, Prague, Czechoslovakia; December 1990 – September 1991

Dr. Eric Hunter's Laboratory: Mason-Pfizer monkey virus retroviral proteinase. Development of a novel mutagenesis/expression system, pSIT (ATCC # 87064, GenBank # U17139). University of Alabama at Birmingham, Department of Microbiology, Birmingham, AL  
September 1991 – June 1995

Dr. Richard J. Whitley's Laboratory: Herpes Simplex Virus Type 1 gamma 1 34.5 protein. University of Alabama at Birmingham, Department of Microbiology, Birmingham, Alabama, July 1995 - June 1996

Dr. Dario Campana's Laboratory: Recombinant T lymphocytes in immunotherapy of acute lymphoblastic leukemia. St. Jude Children's Research Hospital, Department of Hematology/Oncology, Memphis, Tennessee, July 2001 - June 2003

### **ACADEMIC APPOINTMENTS**

Baylor College of Medicine/The Children's Hospital of San Antonio





Senior Faculty, Clinical Pediatrics; Pediatric Hematology-Oncology  
Director, Pediatric Blood and Marrow Transplant Program  
June 2019 – present

**Previous Faculty Positions at Other Institutions**

University of Miami Miller School of Medicine, Miami, Florida  
Assistant Professor, Clinical Pediatrics; Pediatric Hematology-Oncology  
Director, Pediatric Blood and Marrow Transplant Program  
March 2008 – May 2019

The University of Arizona Health Sciences Center, Tucson, Arizona  
Assistant Professor, Clinical Pediatrics; Pediatric Hematology-Oncology,  
Pediatric Bone Marrow Transplantation, August 2004 – February 2008

**Honors and Awards**

New Investigator Travel Grant, BMT Tandem Meetings, Honolulu,  
Hawaii, February 2006

Best Doctors 2009-2017

**Board Eligibility/Certification**

American Board of Pediatric Hematology Oncology Certificate #001727,  
issued 11/15/2004. Currently meeting the requirements of  
Maintenance of Certification (MOC) in Pediatric Hematology-Oncology.

**Non-Academic Positions**

Comenius University, Jesenius Medical School, Martin, Czechoslovakia,  
Emergency Room Physician's Assistant; overnight and weekend calls, 3-  
6 times a month: July 1980 – June 1985

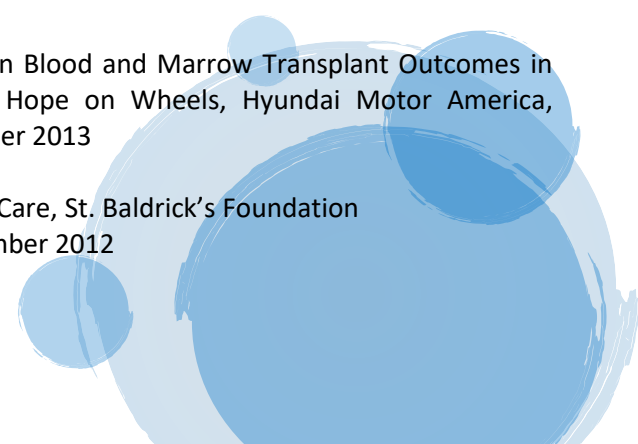
Comenius University, Jesenius Medical School, Martin, Czechoslovakia,  
Instructor, Department of Histology, teaching medical students once to  
twice a week; July 1980 - June 1983

Czechoslovak Air Force; Sergeant; 12-month Compulsory Military  
Service; Responsibilities: Primary Care Medical Officer for a military unit;  
October 1985 – September 1986

**RESEARCH**

Overcoming Disparities in Blood and Marrow Transplant Outcomes in  
South Florida, Hyundai Hope on Wheels, Hyundai Motor America,  
October 2011 – September 2013

Family Centered Patient Care, St. Baldrick's Foundation  
November 2012 – November 2012





Pediatric BMT Clinical Research Support, St. Baldrick's Foundation  
January – December 2014

#### **National Scientific Participation**

American Society of Blood and Marrow Transplantation; 2003 - present  
European Group for Blood and Marrow Transplantation; 2009 – present  
Pediatric Blood and Marrow Transplant Consortium; 2008 – present  
American Society of Hematology; 2000 - present  
American Society of Clinical Oncology; 2002 - 2016  
Children's Oncology Group; 2008 – present  
International Association of Pediatricians; 2010 – present  
American Society of Pediatric Hematology Oncology 2016-present

#### **Publications**

Shalini Shenoy, Mark C. Walters, Alex Ngwube, Sandeep Soni, David Jacobsohn, Sonali Chaudhury, Michael Grimley, Kawah Chan, Ann Haight, Kimberley A. Kasow, Suhag Parikh, **Martin Andreansky**, Jim Connelly, David Delgado, Kamar Godder, Gregory Hale, Michael Nieder, Michael A. Pulsipher, Felicia Trachtenberg, Ellis Neufeld, Janet L. Kwiatkowski, Alexis A. Thompson: Unrelated Donor Transplantation in Children with Thalassemia using Reduced-Intensity Conditioning: The URTM Trial, *BBMT* 2018, 24, 6, 1216-1222

Shalini Shenoy, Mary Eapen, Julie A. Panepinto, Brent R. Logan, Juan Wu, Allistair Abraham, Joel Brochstein, Sonali Chaudhury, Kamar Godder, Ann E. Haight, Kimberly A. Kasow, Kathryn Leung, **Martin Andreansky**, Monica Bhatia, Jignesh Dalal, Hilary Haines, Jennifer Jaroscak, Hillard M. Lazarus, John E. Levine, Lakshmanan Krishnamurti, David Margolis, Gail C. Megason, Lolie C. Yu, Michael A. Pulsipher, Iris Gersten, Nancy DiFronzo, Mary M. Horowitz, Mark C. Walters and Naynesh Kamani A trial of unrelated donor marrow transplantation for children with severe sickle cell disease, *Blood*, 2016, 128:2561-2567

Allison A. King, Naynesh Kamani, Nancy Bunin, Indira Sahdev, Joel Brochstein, Robert J. Hayashi, Michael Grimley, Allistair Abraham, Jacqueline Dioguardi, Ka Wah Chan, Dorothea Douglas, Roberta Adams, **Martin Andreansky**, Eric Anderson, Andrew Gilman, Sonali Chaudhury, Lolie Yu, Jignesh Dalal, Gregory Hale, Geoff Cuvelier, Akshat Jain, Jennifer Krajewski, Alfred Gillio, Kimberly A. Kasow, David Delgado, Eric Hanson, Lisa Murray, and Shalini Shenoy: Successful matched sibling donor marrow transplantation following reduced intensity conditioning in children with hemoglobinopathies. *Am J Hematol*, 2015, 90, 1093-1098

Issam M. Kably, Edward D. Ziga, and **Martin Andreansky**: Intra-Arterial



Platelet Infusion for Intractable Hemorrhage and Refractory Thrombocytopenia in Children with Gastrointestinal Graft-Versus-Host Disease. *Pediatr Blood Cancer* 2015, 62, 2226–2228

Joel Reiter, Andrew A. Colin, **Martin Andreansky**, Mitra Shafieian, Michael Nares, and Tarig Ali-Dinar: Bronchoscopic Instillation of Activated Recombinant Factor VII to Treat Diffuse Alveolar Hemorrhage in Pediatrics. *Pediatric Allergy, Immunology, and Pulmonology*, 2015, 28, 63-65

Troy C. Lund, Sara C. Cathey, Weston P. Miller, Mary Eapen, **Martin Andreansky**, Christopher C. Dvorak, Jeffrey H. Davis, Jignesh D. Dalal, Steven M. Devine, Gretchen M. Eames, William S. Ferguson, Roger H. Giller, Wensheng He, Joanne Kurtzberg, Robert Krance, Emmanuel Katsanis, Victor A. Lewis, Indira Sahdev, Paul J. Orchard: Outcomes after Hematopoietic Stem Cell Transplantation for Children with I-Cell Disease. *Biol Blood Marrow Transplant*, 2014, 20, 1847-1851

Andrew A Colin, Mitra Shafieian, **Martin Andreansky**: Bronchoscopic instillation of activated recombinant factor VII to treat diffuse alveolar hemorrhage in a child. *Pediatric Pulmonology*, 2010, 45, 411

Kohoutová Z, Rumlová M, **Andreansky M**, Sakalian M, Hunter E, Pichová I, Ruml T.: The impact of altered polyprotein ratios on the assembly and infectivity of Mason-Pfizer monkey virus. *Virology*, 2009, 384, 59-68

Isao Miyari, Jeremy A. Franklin, **Martin Andreansky**, Katherine M. Knapp, and Randall T. Hayden: Acute necrotizing ulcerative gingivitis and bacteremia caused by *Stenotrophomonas maltophilia* in an immunocompromised host. *Pediatr Infect Dis J*, 2005, 24, 181-183

Chihaya Imai, Keichiro Mihara, **Martin Andreansky**, Ian C. Nicholson, Chin-Hon Pui, Terrence L. Geiger, and Dario Campana: Chimeric receptors with 4-1BB signaling capacity provoke potent cytotoxicity against acute lymphoblastic leukemia. *Leukemia*, 2004, 18, 676-684

Elaine Coustain-Smith, Ammar Gajjar, Nobuko Hijjiya Bassem I. Razzouk, Raul C. Ribeiro, Gaston K. Rivera, Jeffrey E. Rubnitz, John T. Sandlund, **Martin Andreansky**, Michael L. Hancock, Ching-Hon Pui, and Dario Campana: Clinical Significance of Minimal Residual Disease in Childhood Acute Lymphoblastic Leukemia After First Relapse. *Leukemia*, 2003, 18, 499-504

Carina A. Rodriguez, Jorge Lujan-Zilbermann, Paul Woodard, **Martin Andreansky**, and Elisabeth E. Adderson: Successful treatment of



disseminated fusariosis. *Bone Marrow Transplantation*, 2003, 31, 411-412

Elaine Coustain-Smith, Raul C. Ribeiro, Jeffrey E. Rubnitz, Bassem I. Razzouk, Chin-Hon Pui, Stanley Pounds, **Martin Andreansky**, Fred G. Behm, Susana C. Raimondi, Sheila A. Shurtleff, Jim R. Downing, and Dario Campana: Clinical Significance of Residual Disease During Treatment in Childhood Acute Myeloid Leukaemia. *British Journal of Haematology*, 2003, 123, 243-252

Ales Zabransky, **Martin Andreansky**, Olga Hruskova-Heidingsfeldova, Vladimir Havlicek, Eric Hunter, Tomas Ruml, and Iva Pichova: Three Active Forms of Aspartic Proteinase from Mason-Pfizer Monkey Virus. *Virology*, 1998, 245, 250-256

Olga Hruskova-Heidingsfeldova, **Martin Andreansky**, Milan Fabry, Ivo Blaha, Petr Strop, and Eric Hunter: Cloning, Bacterial Expression and Characterization of the Mason-Pfizer Monkey Virus Proteinase. *The Journal of Biological Chemistry*, 1995, 270, 15053-15058

**Martin Andreansky** and Eric Hunter: Phagemid pSIT Permits Efficient in Vitro Mutagenesis and Tightly Controlled Expression in *E. coli*. *BioTechniques*, 1994, 16, 626 – 633

Pavel Majer, Jan Urban, Eva Gregorova, Jan Konvalinka, Petr Novek, Jana Stehlikova, **Martin Andreansky**, Juraj Sedlacek and Petr Strop: Specificity Mapping of HIV-1 Protease by Reduced Bond Inhibitors. *Archives of Biochemistry and Biophysics*, 1993, 304, 1 – 8

Jan Konvalinka, Magda Horejsi, **Martin Andreansky**, Petr Novek, Iva Pichova, Ivo Blaha, Milan Fabry, Juraj Sedlacek, Stephen Foundling and Petr Strop: An engineered retroviral proteinase from myeloblastosis associated virus acquires pH dependence and substrate specificity of the HIV-1 proteinase. *The EMBO Journal*, 1992, 11, 1141 – 1144

Jan Urban, Jan Konvalinka, Eva Gregorova, Pavel Majer, Milan Soucek, **Martin Andreansky**, Milan Fabry and Petr Strop: Reduced-bond tight-binding inhibitors of HIV-1 protease. *FEBS Letters*, 1992, 298, 9 – 13

Petr Strop, Iva Pichova, Jan Konvalinka, Olga Hruskova, Ivo Blaha, **Martin Andreansky**, Milan Fabry, Magda Horejsi and Juraj Sedlacek: Properties of the retroviral proteinase from the myeloblastosis associated virus. *Journal of Bioactive and Compatible Polymers*, 1991, 6, 339 – 347

**Martin Andreansky**, Olga Hruskova-Heidingsfeldova, Juraj Sedlacek, Jan





Konvalinka, Ivo Blaha, Petr Jecmen, Magda Horejsi, Petr Strop and Milan Fabry: High-level expression of enzymatically active bovine leukemia virus proteinase in *E. coli*. *FEBS Letters*, 1991, 287, 129 – 132

#### **Abstracts Given During Last Three Years**

Warren Alperstein, **Martin Andreansky**, Edward D. Ziga: Steroid Dependent Graft-Versus-Host-Disease Managed with Weekly Bortezomib, ASPHO Annual Meeting, May 2018, Pittsburgh, PA

Daniel Ortiz, Catalina Ruiz Mesa, Joicy Estevez, Martin Andreansky, Edward Ziga: Inhaled Cidofovir for Adenovirus Pneumonitis in A Pediatric Hematopoietic Stem Cell Transplant Recipient, *Pediatric Blood & Cancer* 2016, 63: S18-S19

Shalini Shenoy, Alexander Ngwube, Mark C. Walters, Allistair Abraham, Sonali Chaudhury, Sandeep Soni, Michael A. Pulsipher, Ka Wah Chan, Michael L. Nieder, Suhag Parikh, Ann E. Haight, Kimberly A. Kasow, Gregory A. Hale, James A. Connelly, **Martin Andreansky**, Kamar Godder, David C. Delgado, Ellis Neufeld, Janet L. Kwiatkowski, Alexis A. Thompson: Unrelated Donor Marrow (BMT) or Cord Blood Transplantation (UCBT) for Thalassemia Major after Reduced Intensity Conditioning (URTH Trial Extension), *BBMT* 2016, 3 S: S356

#### **Books**

Michael L Graham, **Martin Andreansky** and Andrew M. Yeager: Umbilical-Cord Blood-Cell Transplantation, in: Tan HP, Marcos A and Shapiro R, editors, *Living Organ Donor Transplantation*, Informa Healthcare USA, Inc., 2007, 329-337

**Martin Andreansky** and Dario Campana: Detection of Minimal Residual Disease by Immunologic Techniques, In: Atkinson K, Champlin R, Ritz J, Fibbe WE, Ljungman P, Brenner MK, editors, *Clinical Bone Marrow and Blood Stem Cell Transplantation*, 3rd Edition, Cambridge University Press, 2003, 1676-1691

Iva Pichova, Ales Zabransky, Iva Kostalova, Olga Hruskova-Heidingsfeldova, **Martin Andreansky**, Eric Hunter, Tomas Ruml: Analysis of autoprocessing of Mason-Pfizer monkey virus proteinase in vitro. Three active forms of proteinase, In: *Advances in Experimental Medicine and Biology*, 1998, 436, 105-108

Petr Strop, Magda Horejsi, Jan Konvalinka, Rastislav Skrabana, Jan Velek, Ivo Blaha, Vera Cerna, Iva Pichova, Libuse Pavlickova, **Martin Andreansky**, Milan Fabry, Vladimir Kostka, Juraj Sedlacek and Stephen Foundling: Protein-engineered proteinase of myeloblastosis associated virus, an enzyme of high activity and HIV-1 proteinase-like specificity, In





Advances in Experimental Medicine and Biology, 1991, 306, 515 – 518

**Invited Speaker**

Town Hall Meeting, Sickle Cell Foundation of Palm Beach County and Treasure Coast, Inc., Palm Beach, Florida, August 2010

Bone Marrow Transplant for Sickle Cell Disease, Medical Seminar for Sickle Cell Foundation of Palm Beach County and Treasure Coast, Inc., Palm Beach, Florida, November 2010

Blood and Marrow Transplant Overview, Undergraduate Student's Microbiology and Immunology Club, University of Miami, Coral Gables, Florida, 2010

Undergraduate Students, St. Jude Children's Research Hospital Fundraising Club, University of Miami, Coral Gables, Florida 2008

**TEACHING**

**Non-didactic Teaching**

Resident Training (include estimate of time spent) – about 10 hours a month - clinical rounds, lectures and bedside teaching

**Clinical Fellow Training**

Saroj Purohit, MD; Dima Hamideh, MD; Yolanda Cosme, MD; Claire Anderson, MD; Catalina Ruiz-Mesa, MD; Daniel Ortiz, MD; Warren Alperstein, MD; Ali Sanati-Mehrizy, MD; Jamie Shoag, MD

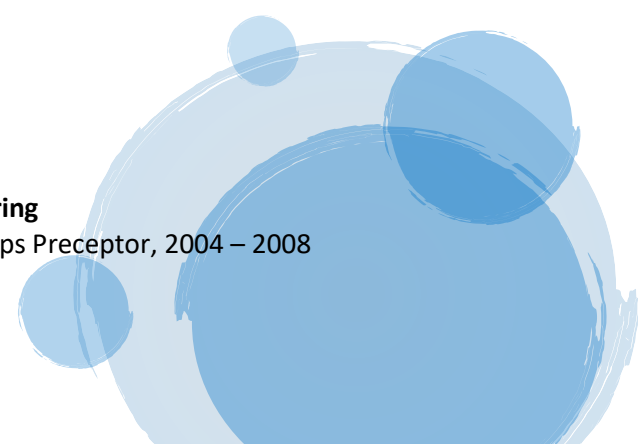
Clinical Rotation Preceptor for Inpatient and Outpatient Pediatric Hematology-Oncology and Blood and Marrow Transplantation 2009 – current - clinical rounds, lectures and bedside teaching

**Graduate Student Training**

Clinical preceptor for Jennifer Reichbach Douglas, ARNP, for "Residency in Advanced Practice Nursing" (NGR7940L) at the University of Florida College of Nursing. Four hundred clinical practice hours were required for completion of the course (January-April 2010). The degree awarded - Doctor of Nursing Practice (DNP). UF faculty advisor - Rose Nealis, PhD, ARNP.

**Medical Student Mentoring**

Medical Student Clerkships Preceptor, 2004 – 2008







University of Arizona, Tucson, Arizona  
Medical Student Clerkships Preceptor for Inpatient and Outpatient  
Pediatric Hematology-Oncology Blood and Marrow Transplantation  
2008 – current (lectures and bedside teaching). UMMSM

### **Lectures and Presentations**

#### **Regional**

Phoenix Children’s Hospital Grand Rounds (Phoenix, Arizona): 2006  
“Infections in Pediatric Hematology-Oncology and Transplantation”  
St Joseph’s Medical Center, Grand Rounds (Phoenix, Arizona): 2006  
“Infections in Pediatric Hematology-Oncology and Transplantation”  
Keynote Speaker, Sickle Cell Symposium, Memorial Regional Hospital,  
Ft. Lauderdale, Florida “Bone Marrow Transplant for Sickle Cell  
Disease,” November 2010

#### **Local**

Educational Lecture Series for Pediatric Blood and Marrow Transplant  
Nurses, Holtz Children’s Hospital, Miami, Florida 2008 - current

University of Miami Miller School of Medicine, Department of Pediatrics  
Grand Rounds  
“Infections in Bone Marrow Transplantation” June 24, 2008  
“Hematopoietic Stem Cell Transplantation (HSCT) for Sickle Cell  
Disease,” August 10, 2010  
“Mitigation of Transplant Related Morbidity,” September 27, 2011

Invited Speaker, Current Trends in Pediatrics (educational workshop for  
Holtz Children’s Hospital Nurses):  
“Infections in Pediatric Hematology-Oncology,” September 2010  
“Graft versus Host Disease”, September 2012

## **MEDICAL & SERVICE INFORMATION**

### **Patient Care Responsibilities**

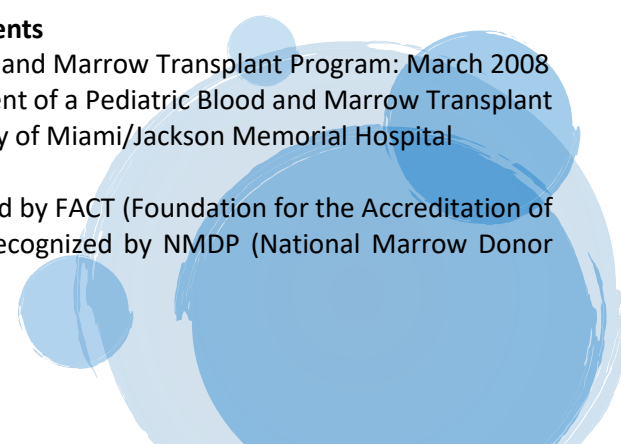
Consultations for pediatric patients needing blood or marrow transplant

Daily Inpatient Service and Outpatient Clinic for pediatric stem cell  
transplant recipients

### **Administrative Assignments**

Director, Pediatric Blood and Marrow Transplant Program: March 2008  
– June 2019; Establishment of a Pediatric Blood and Marrow Transplant  
Program at the University of Miami/Jackson Memorial Hospital

The Program is accredited by FACT (Foundation for the Accreditation of  
Cellular Therapy), and recognized by NMDP (National Marrow Donor





Program), CIBMTR (Center for International Blood and Marrow Transplant Research), PBMTC (Pediatric Blood and Marrow Transplant Consortium), EBMT (European Group for Blood and Marrow Transplantation), CTN (Clinical Trials Network) and COG (Children's Oncology Group)

Initial FACT (Foundation for the Accreditation of Cellular Therapy) accreditation – first time accreditation for the Pediatric Blood and Marrow Transplant Program at the University of Miami/Jackson Memorial Hospital, May 2009

FACT re-accreditations for the Pediatric Blood and Marrow Transplant Program at the University of Miami/Jackson Memorial Hospital, May 2012, and May 2015 and May 2018

#### **University Administration and Committees**

Formulary Subcommittee of the Pharmacy and Therapeutics Committee, Jackson Health System, 2010 – current

Blood Utilization Review Committee, Sylvester Comprehensive Cancer Center, 2012 – current

Blood Utilization Review Committee, Jackson Health System, 2012 – current

Protocol Review and Management Committee, Sylvester Comprehensive Cancer Center, University of Miami, 2016 – 2018

#### **Extracurricular**

Dolphins Cycling Challenge V, Sylvester Comprehensive Cancer Center Team Member, Miami, Florida, February 2015

Dolphins Cancer Challenge VI, Sylvester Comprehensive Cancer Center Team Member, Miami, Florida, February 2016

Dolphins Cancer Challenge VII, Sylvester Comprehensive Cancer Center Team Member, Miami, Florida, February 2017

Rally for Kids Fundraiser, UM/Holtz "Cancer Warriors" Team Member, Miami, FL November 2009

