

# CURRICULUM VITAE

## Shannon Lee Carpenter

### GENERAL INFORMATION

#### PERSONAL DATA:

Date of Preparation: 09/14/2007

**Address:** Division of Pediatric Hematology/Oncology  
333 N. Santa Rosa  
CCBDC-8th floor; MC: 7810  
San Antonio, TX 78207

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#### EDUCATION:

<u>Year</u>	<u>Degree</u>	<u>Discipline</u>	<u>Institution/Location</u>
2006	MS	Clinical Investigation	UTHSCSA, San Antonio, TX
1998	MD	Medicine	Virginia Commonwealth University, Richmond, VA
1993	BA	Biochemistry	University of Virginia, Charlottesville, VA

#### TRAINING:

##### *Post Doctoral Fellowship*

<u>Year</u>	<u>Discipline</u>	<u>Institution/Location</u>
2001-2004	Pediatric Hematology/Oncology	Duke University, Durham, NC

##### *Residency*

<u>Year</u>	<u>Discipline</u>	<u>Institution/Location</u>
1998-2001	Pediatrics	Children's Hospital Medical Center, Cincinnati, OH

#### ACADEMIC APPOINTMENTS:

08/2004 - Present    Assistant Professor    University of Texas Health Science Center, Department  
of Pediatrics, San Antonio, TX

**CERTIFICATION AND LICENSURE:**

***Board Certification***

<u>Description/Agency</u>	<u>Status</u>	<u>Date Acquired</u>	<u>Number</u>	<u>Expiration</u>
Pediatric Hematology/Oncology - American Board of Pediatrics	Certified	11/2004	001745	11/2011
American Board of Pediatrics	Certified	10/2001	072159	10/2008

***License to Practice***

<u>Description/Agency</u>	<u>Status</u>	<u>Date Acquired</u>	<u>Number</u>	<u>Expiration</u>
Medicine - State of Texas		08/2004	40556	05/2009
Medicine - State of North Carolina		07/2001	103541	07/2004
Medicine - State of Ohio		01/2000	77598	04/2003

**HONORS AND AWARDS:**

- 06/2006 Research Award for the Best Poster Presentation: 13th Annual Pediatric Research Day, University of Texas Health Science Center-San Antonio
- 06/2003 Betty Jarboe Award: Awarded to senior fellow in Pediatric Hematology-Oncology for outstanding clinical and research activities.
- 06/1997 Virginia Discretionary Scholarship
- 06/1994 Virginia Discretionary Scholarship
- 06/1989 Byrd Scholarship

**PROFESSIONAL DEVELOPMENT:**

***Administrative***

<u>Date</u>	<u>Description</u>	<u>C.E. Units/Hours</u>
02/20/2005 - 02/23/2005	Hemophilia Regional Meeting, Region 6	0.00 / 0.00
01/19/2006 – 01/20/2006	Hemophilia Regional Meeting, Region 6	0.00 / 0.00
01/25/2007 – 01/26/2007	Hemophilia Regional Meeting, Region 6	0.00 / 0.00

***Clinical***

<u>Date</u>	<u>Description</u>	<u>C.E. Units/Hours</u>
05/04/2007	Immune Tolerance Induction: Searching for the Optimal Protocol, ASPHO 20th Annual Meeting; Toronto, Canada	1.50
05/02/2007 - 05/08/2007	American Society of Pediatric Hematology Oncology, Annual Meeting; Toronto, Canada	12.75
12/10/2005 - 12/13/2005	American Society of Hematology, 47th Annual Meeting; Atlanta, GA	20.75 / 0.00
10/27/2005 - 10/29/2005	National Hemophilia Foundation, 57th Annual Meeting; The University of Wisconsin Medical School; San Diego, CA	50 / 0.00
05/14/2005 - 05/17/2005	American Society of Pediatric Hematology/Oncology, Washington, DC	16.00 / 0.00
05/14/2005	New Paradigm in the Treatment of Pediatric Anemias, Health Science Center for Continuing Education; Washington, DC	2.00 / 0.00
11/04/2004 - 11/06/2004	National Hemophilia Foundation Annual Meeting	0.00 / 0.00
10/08/2004 - 10/10/2004	ASPHO Pediatric Hematology/ Oncology Review Course, Rosemont, Illinois	23.75 / 0.00

### **Research**

<u>Date</u>	<u>Description</u>	<u>C.E. Units/Hours</u>
04/12/2007 - 04/13/2007	Hemophilia and Thrombosis Research Society's Symposium	11.50 / 0.00
04/20/2006 - 04/21/2006	Hemophilia and Thrombosis Research Society's Symposium, 2nd Annual	11.50 / 0.00
04/07/2005 - 04/08/2005	Hemophilia and Thrombosis Research Society's Symposium	11.50 / 0.00

## **TEACHING**

### **COURSE BASED TEACHING:**

<u>Date</u>	<u>Course Name</u>	<u>Level</u>	<u>Role</u>
09/2005 - Present	PEDI4015 Hematology/Oncology #2	Resident	Instructor

*Melissa Delario, Kristina Kypuros, and Sophia Sterner*

### **OTHER TEACHING:**

**Group Instruction**

<u>Date</u>	<u>Description</u>	<u>Institution</u>	<u># Students</u>
08/2007 – 08/2007	Pediatric Grand Rounds <i>"Putting the Logic into Hematologic Testing"</i>	University of Texas Health Science Center	
07/2006 - 07/2006 <i>"FVIIa"</i>	Residents Noon Lecture Series	University of Texas Health Science Center	
05/2006 - 05/2006 <i>"von Willebrand Disease"</i>	Residents Noon Lecture Series	University of Texas Health Science Center	
04/2006 - 04/2006 <i>"Microangiopathic Hemolytic Anemia"</i>	Pediatric Hematology Lecture Series	University of Texas Health Science Center	
03/2006 - 03/2006 <i>"Hemangioma"</i>	Pediatric Hematology Lecture Series	University of Texas Health Science Center	
02/2006 - 02/2006 <i>"Hematologic Causes of Menorrhagia"</i>	Obstetrics & Gynecology Grand Rounds	University of Texas Health Science Center	
01/2006 - 01/2006 <i>"Hematologic Causes of Menorrhagia"</i>	Family Practice Grand Rounds	University of Texas Health Science Center	
07/2005 - 07/2005 <i>"What to do when the blood stops flowing ... Pediatric Stroke"</i>	Pediatric Grand Rounds	University of Texas Health Science Center	

06/2005 - 06/2005	Pediatrics for the Practitioner Meeting <i>"The Highs &amp; Lows of Pediatric Anemia"</i>	San Antonio, Texas	
05/2005 - 05/2005	Pediatric Hematology Lecture Series <i>"Am I Blue: Methemoglobinemia in Children"</i>	University of Texas Health Science Center	
11/2004 - 06/2005	Medical Student Lectures, MS III	University of Texas Health Science Center	100
11/2004 - Present	Pediatric Hematology/Oncology Resident Noon Lecture series	University of Texas Health Science Center	150
11/2004 - Present	Resident Board Review Lectures	University of Texas Health Science Center	40
11/2004 - Present	Medical Student Lectures, MSII	University of Texas Health Science Center	200

***Rotation Student Supervision***

<u>Date</u>	<u>Description</u>	<u>Institution</u>	<u># Students</u>
09/2005 - Present	Mentoring Students and Residents in Research projects <i>Dorothy Dow; Melissa Fuller; Michelle Chrisco; and Emily Kaufmann</i>	University of Texas Health Science Center	

**RESEARCH**

**EXPERTISE:**

- Pediatric hemophilia, thrombophilia, sickle cell disease, and general hematologic disorders

**PROJECTS:**

## **Research**

08/2006- Present	Pediatric Stroke Registry <i>Institutional PI</i>
08/2006- Present	The Risk of Thrombotic Events in Neonates, following the use of Recombinant Factor VIIa <i>Institutional PI</i>
06/2006- Present	A Retrospective Protocol to Evaluate the Prevalence of Neutralizing, Inhibitors in Hemophilia Patients of Hispanic Descent (HTRS) <i>Institutional PI</i>
06/2006- Present	Epidemiology of Diamond Blackfan Anemia: Diamond Blackfan Anemia Registry <i>Institutional PI</i>
04/2006- Present	Retrospective Study of the Impact of Obesity on Joint Bleeding, in Patients with Hemophilia
03/2006- Present	Severe Chronic Neutropenia-Tissue Repository <i>Institutional PI</i>
02/2006- Present	Risk Factors for Stroke in a Pediatric Population
01/2006- Present	Risk Factors for Thrombosis in a Pediatric Population
10/2005- Present	Retrospective Analysis of Adverse Effects Associated with Selective COX-2, Inhibitors in Patients with Hemophilic Arthropathy
06/2005- Present	Differences at Diagnosis Between Pediatric Patients with Acute and Chronic, Immune Thrombocytopenia Purpura (ITP)

## **PUBLICATIONS: (\*\* indicates Peer Reviewed)**

### ***Book Chapter***

Carpenter SL, Kirby B. "Disorders of Secondary Hemostasis" (and supplemental materials). Clinical Laboratory Hematology. Ed. Shirlyn B. McKenzie, Prentice Hall. *in press*.

### ***Journal Article***

- \* 1. Carpenter SL, Zimmerman, SA, Ware, RE. Acute parvovirus B19 infection mimicking congenital dyserythropoietic anemia J Pediatr Hematol Oncol 2004 Feb;(2):133-135.

### **PRESENTATIONS:**

06/2006 Effect of overweight and obesity on joint damage in patients with moderate or severe hemophilia (POSTER), 13th Annual Pediatric Research Day, Department of Pediatrics, University of Texas Health Science Center, San Antonio, TX (Co-Presenter)

**Details:** Co-Presenters: *Crisco M, Johnson E*

04/2005 Evaluation of PFA-100 as a screening tool for von Willebrand Disease & Platelet Function Disorders in a pediatric population (POSTER), Hemophilia & Thrombophilia Research Society Meeting, Chicago, IL (Co-Presenter)

**Details:** Co-Presenter: *Kaufmann EM*

12/2003 UGT1A Promoter Polymorphisms & the Development of Hyperbilirubinemia and Gallbladder Disease in Children with Sickle Cell Anemia (POSTER), American Society of Hematology Meeting, San Diego, CA (Co-Presenter)

**Details:** Co-Presenters: *Eggleston B, Howard TA, Lail A, Lieff S, Ware RE*

12/2003 Genetic Modifiers of Clinical Disease Expression: Allelic Frequency of 16 Genetic Mutations & Polymorphisms in Unselected African American Patients with Sickle Cell Anemia (POSTER), American Society of Hematology Meeting, San Diego, CA (Co-Presenter)

**Details:** Co-Presenters: *Zimmerman SA, Howard TA, Al-Seraihy AS, Ware RE*

12/2003 UGT1A Promoter Polymorphisms in Sickle Cell Anemia: Analysis of Variant (TA)<sub>5</sub> and (TA)<sub>8</sub> Alleles and Identification of an Age Effect (POSTER), American Society of Hematology Meeting, San Diego, CA (Co-Presenter)

**Details:** Co-Presenters: *Ware RE, Eggleston B, Lail A, Lieff S, Howard TA*

### **RESEARCH GRANTS:**

**Project #:**

**Funding Agency:** Novo-Nordisk

**Title:** Educational Grant

**Status:** Active

**Period:** 08/2005 - Present

**Role:** Principal Investigator

**% Effort:** 1

**Total Costs:** \$4,000.00

**Grant Detail:** Unrestricted Educational Grant for \$4000

**Project #:** 119674

**Funding Agency:** Centers for Disease Control and Prevention (sub-contract through UT-Houston)

**Title:** Prevention of Complications of Bleeding Disorders through Hemophilia Centers in Region VI

**Status:** Active

**Period:** 09/2004 - 09/2005  
**Role:** Principal Investigator **% Effort:** 10  
**Total Costs:** \$98,240.00  
**Grant Detail:**

**Project #:**  
**Funding Agency:** Baxter Bioscience  
**Title:** Evaluation of the Efficacy of PASSPORT FOR LIFE and PATIENT LINK in Hemophilia Treatment Adherence Interventions  
**Status:** Active  
**Period:** 06/2004 - 06/2006  
**Role:** Principal Investigator **% Effort:** 1  
**Total Costs:**  
**Grant Detail:** \$500 per case enrollment

**Project #:**  
**Funding Agency:** Wyeth-Ayerst Laboratories  
**Title:** An Open-Label Extension Study to Characterize the Long-Term Safety and Efficacy of BDDrFVIII Manufactured by the Albumin Free Process (ReFacto AF) in Treatment of Previously Treated Patients (PTP) with Severe Hemophilia A  
**Status:** Active  
**Period:** 12/2003 - 12/2006  
**Role:** Principal Investigator **% Effort:** 1  
**Total Costs:**  
**Grant Detail:** \$2500 per case enrollment

**Project #:**  
**Funding Agency:** Centers for Disease Control and Prevention  
**Title:** Screening for von Willebrand Disease in Hispanic Women with Menorrhagia  
**Status:** Active  
**Period:** 10/2003 - 09/2007  
**Role:** Principal Investigator **% Effort:** 15  
**Total Costs:** \$113,772.00  
**Grant Detail:**

**Project #:**  
**Funding Agency:** Children's Hospital of Wisconsin  
**Title:** Genetics of Inhibitor Formation in Hemophilia  
**Status:** Active  
**Period:** 09/2003 - 09/2006  
**Role:** Principal Investigator **% Effort:** 1  
**Total Costs:**  
**Grant Detail:** \$300 per case enrollment

**Project #:**

**Funding Agency:** Hemophilia Research Society of North America

**Title:** Epidemiology and Treatment of Circulating Anticoagulants in Patients with Hemophilia and Von Willebrand's Disease-The HRS Registry

**Status:** Active

**Period:** 05/2003 - 01/2029

**Role:** Principal Investigator **% Effort:** 5

**Total Costs:**

**Grant Detail:** \$200 per case enrollment

**Project #:**

**Funding Agency:** NIH/Children's Research Institute

**Title:** MHCS-II, The Second Multicenter Hemophilia Cohort Study

**Status:** Active

**Period:** 11/2001 - 09/2005

**Role:** Contributor **% Effort:** N/A

**Total Costs:**

**Grant Detail:** \$2700 per case enrollment

**Federal**

**Project #:** 121050

**Funding Agency:** US DHHS/HRSA/Maternal and Child Health Bureau (sub-contract through UT-Houston)

**Title:** Comprehensive Hemophilia Diagnostic and Treatment Centers Region VI, Regional Project

**Status:** Active

**Period:** 06/2005 - 05/2006

**Role:** Principal Investigator **% Effort:**

**Total Costs:**

**Grant Detail:** \$80,700

**Private**

**Project #:**

**Funding Agency:** Baxter Bioscience

**Title:** A Prospective, Randomized Cross-Over Study of an Activated Prothrombin Complex Concentrate for Secondary Prophylaxis in Patients with Hemophilia A and Inhibitors (Pro-Feiba)

**Status:** Active

**Period:** 12/2003 - 06/2007

**Role:** Principal Investigator **% Effort:** 2

**Total Costs:**

**Grant Detail:** \$7571.50 per case enrollment

## **SERVICE**

### **OTHER SERVICE:**

<b><u>Dates</u></b>	<b><u>Type</u></b>	<b><u>Description</u></b>	<b><u>Role</u></b>
04/2006-Present		Journal Pediatric Hematology Oncology	Reviewer

### **PATIENT CARE:**

<b><u>Dates</u></b>	<b><u>Type</u></b>	<b><u>Description</u></b>	<b><u>Role</u></b>
04/2007- Present	Outpatient	Vascular Anomalies Clinic	Consulting Physician
07/2006 – Present	Outpatient	Laredo Outreach Clinic (every other month)	Attending Physician
12/2004-Present	Inpatient	CHRISTUS Santa Rosa Children's Hospital "C" Service, 2-3 months per year	Attending Physician
09/2004-Present	Outpatient	Austin Outreach Clinic  <i>4 days per year in March, June, September, and December</i>	Attending Physician
09/2004-Present	Outpatient	Harlingen outreach clinic  <i>4 days per year in March, June, September, and December</i>	Attending Physician
08/2004-Present	Outpatient	Hematology clinic, 2 days per week	Attending Physician
08/2004-Present		Hematology/Oncology Consultation Service, 2-4 months per year	Consultant

### **SERVICE TO THE INSTITUTION:**

<b><u>Dates</u></b>	<b><u>Type</u></b>	<b><u>Description</u></b>	<b><u>Role</u></b>
02/2006-Present	Hospital	South Texas Hemophilia & Thrombophilia Treatment Center	Medical Director
01/2006-Present	Hospital	Radionuclide Synovectomy Program	Medical Director
08/2004-01/2006	Hospital	South Texas Hemophilia & Thrombophilia Treatment Center	Associate Director
01/2003-06/2004	University	Institutional Committee on Graduate Medical	Member

Education

*Duke University*

**SERVICE TO THE PUBLIC:**

<b><u>Dates</u></b>	<b><u>Type</u></b>	<b><u>Description</u></b>	<b><u>Role</u></b>
11/2007- present	State	Texas Bleeding Disorders Advisory Committee	Appointed member
07/2007-07/2007	Community	Camp Ailephomeh, Hemophilia Camp	Volunteer
07/2006-07/2006	Community	Camp Ailephomeh, Hemophilia Camp <i>Camp Physician</i>	Volunteer
01/1992-Present	Community	Habitat for Humanity	Volunteer

**PROFESSIONAL AFFILIATIONS:**

<b><u>Dates</u></b>	<b><u>Organization</u></b>
01/2005-Present	Hemophilia & Thrombophilia Research Society
09/2004-Present	Children's Oncology Group
08/2004-Present	National Hemophilia Foundation
01/2002-Present	American Society of Hematology
01/2002-Present	American Society of Pediatric Hematology Oncology

**COMMITTEES (UTHSCSA Standing Committees):**

***SCHOOL***

<b><u>Dates</u></b>	<b><u>Committee</u></b>	<b><u>Role</u></b>
07/2005-Present	Admissions Committee	Member

**COMMITTEES (OTHER):**

***HOSPITAL***

<b><u>Dates</u></b>	<b><u>Committee</u></b>	<b><u>Role</u></b>
07/2006-Present	Research Committee, CHRISTUS Santa Rosa Children's Hospital	Member
11/2004-Present	Clinic Task Force Committee, CHRISTUS Santa Rosa Children's Hospital, Pediatric Hematology/Oncology	Member

**OTHER**

<u>Dates</u>	<u>Committee</u>	<u>Role</u>
03/2006-06/2006	CDC Clinical Planning Committee (ad hoc committee)	Member
01/2006-Present	Wyeth Physician Advisory Board, Wyeth-Ayerst Laboratories	Member
01/2006-Present	Bayer Physician Advisory Board, Bayer HealthCare	Member

**SCHOOL**

<u>Dates</u>	<u>Committee</u>	<u>Role</u>
01/1997-12/1998	Admissions Committee, Virginia Commonwealth University, Medical School	Member

**UNIVERSITY**

<u>Dates</u>	<u>Committee</u>	<u>Role</u>
09/2006-Present	Research Committee, Dept. of Pediatrics, University of Texas Health Science Center, Medical	Member
09/2005-Present	Resident Selection Committee, University of Texas Health Science Center at San Antonio, Medical School, Pediatrics	Member

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