

**University of California San Francisco
CURRICULUM VITAE**

Name: Rosa Sanchez Rosen

Position: Assistant Clinical Investigator
Blood Systems Research Institute
San Francisco, California

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EDUCATION:

06/1990-	Stanford University,	B.S.	Biology
06/1994	Stanford, CA		
06/1995-	University of Southern California,	M.D.	Medicine
06/1999	Los Angeles, CA		
07/1999-	University of Texas Medical Branch,	Intern	Pediatrics
06/2000	Galveston, TX		
07/2000-	University of Texas Medical Branch,	Resident	Pediatrics
06/2001	Galveston, TX		
07/2001-	University of Texas Medical Branch,	Resident	Pediatrics
06/2002	Galveston, TX		
07/2003-	University of California San Francisco	Fellow	Pediatric
06/2005	(UCSF), San Francisco, CA		Hematology/Oncology
07/2005-	Blood Centers of the Pacific/UCSF,	Fellow	Transfusion Medicine
06/2006	San Francisco, CA		
07/2006-	UCSF,	Fellow	Pediatric
06/2007	San Francisco, CA		Hematology/Oncology

LICENSES, CERTIFICATION:

2002-02/2012 Medical licensure, California (#A79811)
2002-12/2011 Board Certification, American Board of Pediatrics

2008-12/2018 Subspecialty Board Certification in Transfusion Medicine/Blood Banking,
American Board of Pathology
2009-2016 Subspecialty Board Certification in Pediatric Hematology-Oncology,
American Board of Pediatrics

PRINCIPAL POSITIONS HELD:

10/2009-present	University of California San Francisco San Francisco, CA	Assistant Clinical Professor
11/2007-present	Blood Systems Research Institute, San Francisco, CA.	Assistant Clinical Investigator
10/2002-06/2003	University of Texas Medical Branch, Galveston, TX	Clinical Instructor

KEYWORDS/AREAS OF INTEREST:

Pediatric transfusion therapy, chronic transfusion therapy and iron overload, and medical education

PROFESSIONAL ORGANIZATIONS:

Memberships

2009-present American Society of Pediatric Hematology Oncology
2004-present American Association of Blood Banks
2003-present American Society of Hematology

Service to Professional Publications

2009-present Ad hoc reviewer for Transfusion (3 papers)

Service to Professional Organizations

2010-present Member of the Laurel Heights Committee on Human Research (CHR)

OTHER PRESENTATIONS (PEER REVIEWED)

National

Annual Meeting of the American Association of Blood Banks, October 2005, Seattle WA. Poster presentation.

Annual Meeting of the American Association of Blood Banks, October 21-24 2006, Miami Beach FL. Oral presentation (2).

Annual Meeting of the American Association of Blood Banks, October 20-23 2007, Anaheim CA. Poster presentation.

CME COURSES ATTENDED

2007-2008 Teaching Scholars Program, UCSF

February 6-8, 2009 American Society of Pediatric Hematology/Oncology Review Course

TEACHING

FORMAL SCHEDULED TEACHING SESSIONS

UCSF Department of Laboratory Medicine (Transfusion Medicine Core Curriculum)	
Lecture: Perinatal Transfusion	Fall 2008-2009 Fall 2009-2010
Lecture: Thalassemia and Sickle Cell Anemia	Fall 2008-2009 Fall 2009-2010
UCSF Department of Pediatric Hematology/Oncology (101 Lecture Series)	
Lecture: Pediatric Transfusion Therapy 101	Fall 2008-2009

TEACHING AIDS:

UCSF Pediatric Hematology Oncology Resident Handbook for pediatric residents (created 1/2002); I updated and revised two sections titled, “Blood Products and Transfusion Guidelines” and “Therapeutic Apheresis and Exchange Transfusion” (1/2009).

SUMMARY OF TEACHING HOURS:

- 2008-2009 8 total hours of teaching (including preparation)
 Formal class or course teaching hours: 4 hours
- 2009-2010 50 total hours of teaching (including preparation)
 Formal class or course teaching hours: 6 hours
 Development of computer-based case-based teaching modules
 Pilot test pediatric transfusion medicine teaching modules
 Resident and fellow teaching during blood bank service time
- 2010-2011 Total anticipated hours of teaching: 50 hours (including preparation)
 Formal class or course teaching hours: 8 hours
 Ongoing development of computer-based case-based teaching modules
 Phase-in parts of the pediatric transfusion medicine curriculum
 Evaluation and refinement of teaching modules based on feedback
 Resident and fellow teaching during blood bank service time

TEACHING NARRATIVE:

Currently, my teaching activities focus on teaching clinical pathology residents the pediatric-related transfusion medicine topics of the transfusion medicine core curriculum.

I am currently working on the development of computer-based case-based teaching modules for clinical pathology residents and transfusion medicine and pediatric hematology/oncology fellows.

RESEARCH AWARDS AND GRANTS:

7K07HL088923-02 (PI) 08/10/07-
NIH/NHLBI 06/30/12
“A Multidisciplinary Approach to Education in Pediatric Transfusion
Medicine (PTM)”
The development, implementation, and dissemination of a PTM
curriculum for residents and fellows.

PEER REVIEWED PUBLICATIONS:

Yeh I, **Sanchez R**, Jeng MR, Newell BD, Bruckner AL, Frieden IJ. Diffuse Infantile Hepatic Hemangiomas: A Report of Four Cases Successfully Managed with Medical Therapy. Submitted to Journal of the American Academy of Dermatology

Spinella PC, Dressler A, Tucci M, Carroll CL, **Sanchez Rosen R**, Hume H, Sloan SR, LaCroix J. Survey of Transfusion Policies at US and Canadian Children’s Hospitals in 2008 and 2009. Accepted for publication in Transfusion (Trans-2010-0082.R1)

Sanchez R, Sloan SR, Ambruso DR, Hillyer CD, O’Sullivan P. Consensus recommendations of pediatric transfusion medicine objectives for clinical pathology residency training programs. Transfusion. 2010;50:1071-1078.

Weiskopf RB, Yau R, **Sanchez R**, Lowell C, Toy P. Microarray kit analysis of cytokines in blood product units and segments. Transfusion. 2009; Nov;49(11):2269-75.

Hillyer CD, Mondoro TH, Josephson CD, **Sanchez R**, Sloan SR, Ambruso DR. Pediatric Transfusion Medicine: Development of a Critical Mass. Transfusion. 2009;49:596-601.

Sanchez R, Toy P. Transfusion-Related Acute Lung Injury: A Case-Control Pilot Study of Risk Factors. American Journal of Clinical Pathology. 2007 Jul: 128(1): 128-34.

Sanchez R, Rosenthal P, Goldsby R. Immunotherapy for Severe Aplastic Anemia following Orthotopic Liver Transplantation in children. Pediatric Blood and Cancer. 2007 Jul: 49(1): 93-8.

Church G, Price C, **Sanchez R**, Looney M. Transfusion-Related Acute Lung Injury in the Pediatric Patient: Two Case Reports and a Review of the Literature. Transfusion Medicine. 2006 16: 343-48.

Bravo DA, Gleason JB, **Sanchez R**, Roth RA, Fuller RS. Accurate and efficient cleavage of the human insulin proreceptor by the human proprotein-processing protease furin. *Journal of Biological Chemistry*. 1994 269: 25830-25837.

NON-PEER REVIEWED PUBLICATIONS:

Sanchez R, Transfusion-Related Acute Lung Injury. *Pediatric Blood and Cancer*. 2006 Jun;46(7): 831.

Sanchez R. Transfusion Therapy in Beta-Thalassemia Major. *California Blood Bank Society (CBBS) Today*. 2006 Vol.XXIV. No.2: 51-55.

Sanchez R, Etzell J, Kim G, Packman S, Fairley C, Goldsby R. Peripheral T-cell lymphoma in an adolescent with unsuspected Gaucher disease. *Journal of Clinical Oncology*. 2005 Jul 20: 23(21): 4792-3.

Sanchez R, Toy P. Transfusion Related Acute Lung Injury: A Pediatric Perspective. *Pediatric Blood and Cancer*. 2005 Sept: 45(3): 248-55. Review.

ABSTRACTS AND POSTERS:

Spinella PC, Dressler AM, Tucci M, Carroll C, **Rosen Sanchez R**, Sloan S, Lacroix J. Survey of RBC Storage Age Policies for Critically Ill Children at US and Canadian Children's Hospitals in 2008. Poster Presentation at the Society of Critical Care Medicine's 39th Critical Care Congress, January 10, 2010.

Sanchez R, Toy P. Recipient Look Back of Multiparous Whole Blood and Plasma Units: A Pilot Study. Poster Presentation at the AABB Annual meeting, October 20-23, Anaheim, CA, 2007.

Bruckner A, **Sanchez R**, Jeng M, Frieden I. Successful Medical Treatment of Diffuse Hepatic Hemangiomas: Early Diagnosis and Recognition of Potential Complications Improves Outcomes. Oral Presentation at the Society for Pediatric Dermatology 33rd Annual Meeting, July 13, Chicago, IL, 2007.

Sanchez R, Custer B, Nguyen K, Hirschler N. Are Hemochromatosis Donors A Cost-Effective Option for Blood Centers? Oral Abstract Presentation at the AABB Annual meeting, October 21-24, Miami Beach, FL, 2006. *Transfusion*. 46(9S): 171A.

Sanchez R, Malone M, Schuh J, Hirschler N, Nguyen K. Does Frequent Plateletpheresis Donation Deplete Donor Platelets? A Longitudinal Evaluation. Oral Abstract Presentation at the AABB Annual meeting, October 21-24, Miami Beach, FL, 2006. *Transfusion*. 46(9S): 5A-6A.

Nguyen K, Vanderpool S, **Sanchez R**, Kamel H. Building an Infrastructure for Improved TRALI Case Reporting and Investigation. Poster Presentation at the AABB Annual meeting, October 21-24, Miami Beach, FL, 2006. *Transfusion*. 46(9S):92A-93A.

Nguyen KA, **Sanchez R**, Yamamoto T. Evaluation of the Ultracrit Device for measuring blood donor hematocrit. Poster Presentation at the AABB Annual meeting, October, Seattle, WA, 2005.

CURRENT RESEARCH INTERESTS:

My current research interest focuses on developing a pediatric transfusion medicine curriculum for clinical pathology residents and transfusion medicine and pediatric hematology oncology fellows. I am one of four recipients of the Pediatric Transfusion Medicine Academic Awards (PTMAA) sponsored by the National Institute of Health/National Heart, Lung, and Blood Institute. This award is a 5-year grant for the development, implementation, and dissemination of a pediatric transfusion medicine curriculum.

In addition to medical education, I am also interested in pediatric transfusion medicine clinical research. I am interested in studying transfusion-associated microchimerism (TA-MC) in critically ill children, specifically patients with severe trauma, sepsis, and acute respiratory distress syndrome. Currently, the incidence of this phenomenon is unknown in children.