

Kimberly Williams Sanford, MD



Associate Professor, Department of Pathology
Medical Director, Transfusion Medicine Medical
Director, Stony Point Laboratory
Director, Undergraduate Medical Education
Virginia Commonwealth University
February 2008 - Present
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Licenses & Certifications

Medical Licenses

Virginia

Professional Certifications

American Board of Pathology, Transfusion Medicine Subspecialty, 2026
American Board of Pathology, Anatomic and Clinical Pathology, 2026
American Society for Clinical Pathology, Medical Technologist, 1991
National Clinical Association, Clinical Laboratory Specialist, 1991
American Society of Phlebotomy, Technician, 1988

Education

Postgraduate Medical Training

Fellowship - Transfusion Medicine
University of Virginia
Charlottesville, Virginia 2010–2012

Residency - AP/CP Pathology
Virginia Commonwealth University (VCU)
Richmond, Virginia 2001-2006

Medical Education

MD, Virginia Commonwealth University – Medical Campus
Richmond, VA 1997-2001

Undergraduate Education

Medical Technology, BS

Virginia Commonwealth University – Medical Campus

Richmond, VA 1987-1991

Awards

2018 Danny Meyer Volunteer Board Member of the Year Award, American Red Cross, Capital Chapter, Virginia, awarded September 2018.

2017 Outstanding Division Director, 2017-2018, School of Medicine, Virginia Commonwealth University, awarded September 2018.

2017 Outstanding Teacher Award for Best Teacher for Scientific Foundations of Medicine, Foundations of Disease, 2017-2018, School of Medicine, Virginia Commonwealth University, awarded September 2018.

Enrique Gerszten, MD Faculty Teaching Excellence Award, School of Medicine, Virginia Commonwealth University, awarded September 2017.

2016 Outstanding Teacher Award for Best Teacher for Scientific Foundations of Medicine, Foundations of Disease, 2016-2017, School of Medicine, Virginia Commonwealth University, awarded September 2017.

2015 Outstanding Teacher Award for Best Teacher for Scientific Foundations of Medicine, Foundations of Disease, 2015-2016, School of Medicine, Virginia Commonwealth University, awarded September 2016.

2015 H. P. Smith Award for Distinguished Pathology Educator, American Society for Clinical Pathologists, awarded October 30, 2015.

2014 Outstanding Teacher Award for Best Teacher for Scientific Foundations of Medicine, Foundations of Disease, 2014-2015, School of Medicine, Virginia Commonwealth University, awarded October 2015.

2014 Outstanding Teacher Award for High Evaluation, Applied Medical Sciences, Marrow, 2013-2014, School of Medicine, Virginia Commonwealth University, awarded October 2014.

2013 Outstanding Teacher Award for Best Teacher for Scientific Foundations of Medicine, Foundations of Disease, 2013-2014, School of Medicine, Virginia

Commonwealth University, awarded October 2014

2013 Outstanding Teacher Award in Pathogenesis, School of Medicine, Virginia Commonwealth University, awarded October 2014.

2013 Virginia Commonwealth Medical Center Physician Champion, Richmond, Virginia, awarded July 2013.

2012 Outstanding Teacher Award in Pathogenesis, School of Medicine, Virginia Commonwealth University, awarded September 2013.

2012 Alumni Hall of Fame Inductee, Virginia Commonwealth University. Clinical Laboratory Science Department. Richmond, Virginia.

2011 Outstanding Teacher Award in Pathogenesis, School of Medicine, Virginia Commonwealth University, awarded May 20, 2012.

2011 ASCP Mastership Award, Presented at 2011 ASCP Annual Meeting. Las Vegas, Nevada.

2010 Outstanding Teacher Award in Pathogenesis, School of Medicine, Virginia Commonwealth University.

Association of Pathology Chairs Honor Society, 2008

VCU Department of Pathology Resident Research Award, 2006

Fergus O'M. Sheil Award – For excellence in teaching medical students, 2004

VCU Department of Pathology Resident Award - For excellence in Clinical Pathology Service, 2004

Virginia Commonwealth University and Medical Center Appointments

Current (Department of Pathology)

Medical Director, Transfusion Medicine, VCU Medical Center
Medical Director of Stony Point Laboratory, VCU Medical Center
Medical Advisor, Department of Clinical Laboratory Sciences, Virginia Commonwealth University
Director, Undergraduate Medical Education, Department of Pathology, Virginia Commonwealth University

Current (Other)

Curriculum Council, Member, School of Medicine, VCU, 2015-present
Blood Utilization Committee, Co-Chair, VCU Medical Center, 2012 – present
Curriculum Council, Pre-Clinical Subcommittee, Chair, School of Medicine, VCU, 2012-present
Faculty advisor, Pathology club for medical students, 2008-present
Faculty advisor, American Red Cross Club for medical students, 2015-present
VCU Women in Science, Dentistry and Medicine, President of Executive Council, 2017-present
VCU Women in Science, Dentistry and Medicine, Chair for Professional Development, 2008-present
VCU Women in Science, Dentistry and Medicine (WISDM), Annual Leadership Meeting Planning committee, 2008-present

Professional Organizations

American Association of Blood Banks
American Society for Clinical Pathology
Virginia Society of Pathology
Virginia Society of Pathology
Richmond Academy of Medicine

Professional Service

Member at Large, Board of Directors, American Society of Clinical Pathology (ASCP), 2015-present

Transfusion Medicine coordinator, Education Working Group, American Society of Clinical Pathology (ASCP), 2014-present

Member, Commission on Continuing Professional Development, American Society for Clinical Pathology (ASCP), 2013-present

Chair, Education working group, Annual Meeting American Society for Clinical Pathology, 2009-2013

Member, Annual Meeting Steering Committee, American Society for Clinical Pathology, 2009-2015

Medical Advisor, American Proficiency Institute/ American Society for Clinical Pathology, 2009-2014

Member, Annual Meeting Task force, American Society for Clinical Pathology, 2008-2009

Member, Annual Meeting Committee, American Society for Clinical Pathology, 2008-2014

Member, Checkpath Committee, American Society for Clinical Pathology, 2007-2014

Community Service

Member, Board of Directors, American Red Cross, Virginia Region, 2016-present

Editorial Advisory Boards

American Journal of Clinical Pathology, 2012-present

LabMedicine, American Society for Clinical Pathology, 2006-present

Recent Invited Presentations

Blood Bank Resident Mini-Review Course, American Society of Clinical Pathologist, Annual Meeting, Chicago, IL September 8, 2017.

Lab Management: Mastering Laboratory Change. American Society of Clinical Pathologists Annual Meeting, Chicago, IL September 8, 2017.

Speed Dating In Blood Banking, Apheresis and Coagulation. American Society of Clinical Pathologists Annual Meeting, Chicago, IL September 6, 2017.

Keynote Address: Assertiveness in the Lab: Making the Right Call! Innovative Laboratory: Robert. J. Tomsich Pathology and Laboratory Medicine Institute, Cleveland Clinic, Cleveland, Ohio. April 22, 2017.

Transfusion Medicine Cases: Problem Based Learning. Innovative Laboratory: Robert. J. Tomsich Pathology and Laboratory Medicine Institute, Cleveland Clinic, Cleveland, Ohio. April 22, 2017.

Blood Bank Resident Mini-Review Course, American Society of Clinical Pathologist, Annual Meeting, Las Vegas, Nevada September 16, 2016.

Supervisors Survival Guide: Consensus Approaches to Universal Problems. American Society of Clinical Pathologists Annual Meeting, Las Vegas, Nevada, September 16, 2016.

Algorithmic Approaches to Consultative Clinical Pathology in a Flipped Classroom: American Society of Clinical Pathologists, Annual Meeting, Las Vegas, Nevada, September 15, 2016.

Speed Dating In Blood Banking, Apheresis and Coagulation. Consultative Cases Where Evidence is Lacking! American Society of Clinical Pathologists Annual Meeting, Las Vegas, Nevada, September 14, 2016.

Roundtable discussion: Updates in Transfusion Medicine. American Society of Clinical Pathologists Annual meeting, Las Vegas, Nevada, September 14, 2016

What Works in the Real World! American Society of Clinical Pathologists Annual Meeting, Long Beach, October 30, 2015.

A Transfusion Reaction Flipped Classroom Workshop: Mayhem at Midnight. American Society of Clinical Pathologists Annual Meeting, Long Beach, October 29, 2015.

Speed Dating In Blood Banking, Apheresis and Coagulation: A Family Affair. American Society of Clinical Pathologists Annual Meeting, Long Beach, October 28, 2015.

Conflict Resolution Workshop. American Pathology Foundation Spring Meeting, Atlanta, GA, April 9, 2015.

Laboratory Personnel Management: What Works in the Real World! American Society of Clinical Pathologists Annual Meeting, Tampa FL, October 9, 2014.

A Transfusion Reaction Patient Simulation Workshop: Mayhem at Midnight. American Society of Clinical Pathologists Annual Meeting, Tampa, FL, October 7, 2014.

From Basement to Penthouse: Propel Your Lab To New Heights Thru Effective Communication, American Society of Clinical Pathologists Annual Meeting, Chicago, IL, September 20, 2013.

Blood Bank Resident Mini-Review Course, American Society of Clinical Pathologists, Annual Meeting, 2011-2015.

Perspectives on Leadership, What Works and What Doesn't, American Society of Clinical Pathologists, Annual Meeting, Boston, MA, November 3, 2012.

The Many Faces of Pathology as a Career, American Society of Clinical Pathologists, Annual Meeting, Boston, MA, November 2, 2012.

Blood Bank Resident Mini-Review Course, American Society of Clinical Pathologists, Annual Meeting, Boston, MA, November 1, 2012.

Basic Transfusion Medicine for the Therapeutic Apheresis Clinician, Therapeutic Apheresis Academy, University of Virginia. Charlottesville, VA. September 20, 2012.

Blood Bank Resident Mini-Board Review, American Society of Clinical Pathologists, Annual Meeting, Las Vegas, NV, October 21, 2011.

Extracorporeal Photopheresis: How, Why and When? Therapeutic Apheresis Academy, University of Virginia. Charlottesville, VA. September 23, 2011.

Warm Autoimmune Hemolytic Anemia, American Society of Clinical Pathologists, Annual Meeting, San Francisco, CA, October 29, 2010.

Apheresis in Critically Ill Patients, Therapeutic Apheresis Academy, University of Virginia. Charlottesville, VA. September 24, 2010.

Warm Autoimmune Hemolytic, American Society of Clinical Pathologists, Annual Meeting, Chicago, IL, October 31, 2009.

Apheresis in Critically Ill Patients, Therapeutic Apheresis Academy, University of Virginia. Charlottesville, VA. September 25, 2009.

QA in an Apheresis Unit, Therapeutic Apheresis Academy, University of Virginia, Charlottesville, VA. September 25, 2009.

Apheresis in Critically Ill Patients, Therapeutic Apheresis Academy, University of Virginia. Charlottesville, VA. September 26, 2008.

Transitioning from resident to community pathologist, Association of Pathology
Chairs Annual Meeting, Colorado Springs, Colorado July 17, 2008.

Recent Publications

Peer Reviewed Publications

Sanford K, Roseff S, Anderson J, McPherson R. Iron Deficiency Anemia in Patients Undergoing Extracorporeal Photopheresis for Cutaneous T-Lymphoma. *LabMedicine*. Manuscript in press.

Sanford K, Fisher BJ, Fowler E, Fowler AA, Natarajan R. Attenuation of Red Blood Cell Storage Lesions with Vitamin C. *Antioxidants (Basel)*. 2017 Jul 12;6(3). pii: E55. doi: 10.3390/antiox6030055. PMID:28704937

Bassem M, **Sanford K**, Fisher B, Martin EJ, Contaifer D, Warncke UO, Wijesinghe DS, Chalfant CE, Brophy DF, Fowler AA, Natarajan R. Impact of high dose vitamin C on platelet function. *World Journal of Critical Care Medicine*. *World J Crit Care Med*. 2017 Feb 4;6(1):37-47. doi: 10.5492/wjccm.v6.i1.37. eCollection 2017 Feb 4.

Sanford KW, McPherson RA, Case N, Roseff SD. Assessing Erythrocyte Engraftment in Post-Hematopoietic ABO Incompatible Stem Cell Transplant Patients Using Hematologic Parameters as Observational Markers. Manuscript in preparation, 2015.

Sanford KW, S Bourikian, A McClain, K Curtis. Detection of Anti-Kidd antibody in a non-transfused patient. *LabMedicine* 2015; 46:235-40.

Sanford K, McPherson R, Anderson J, Thomas O, Chung H, Roseff S. Harvesting Autologous Stem Cells from a Patient with Erythrocyte Abnormalities of Beta Thalassemia Intermedia. Manuscript in press.

Toor A, Payne K, Chung H, Sabo R, Hazlett, Kmiecik M, **Sanford K**, Williams D, Clark W, Roberts C, McCarty J, Manjili M. Epigenetic induction of adaptive immune response in multiple myeloma: sequential azacitidine and lenalidomide generate cancer testis antigen-specific cellular immunity. *British Journal of Haematology* 2012; Jul 23. doi: 10.1111/j.1365-2141.2012.09225.x.

Sanford KW, Balogun RA. Extracorporeal Photopheresis: Clinical Use So Far. *Journal of Clinical Apheresis* 2012;27(3):126-31.

Sanford KW, Balogun RA. Therapeutic Apheresis in Critically Ill Patients. Journal of Clinical Apheresis 2011; 26:249-251.

McPherson RA, Buckler AG, **Sanford KW**, Roseff SD. Investigation of Heparin-Related Hypotensive Adverse Events during Photopheresis: Utility of a Patient Care Data Base. Transfusion 2011;51(6):1314-20.

Balogun RA, Ogunniyi A, **Sanford K**, Okafor C, Lobo PI, Siami G, Barcia J, Kaplan AA. Therapeutic Apheresis in Special Populations. Journal of Clinical Apheresis 2010. 2010; 25(5); 265-74.

Sanford KW and Roseff SD. Detection and significance of Donath Landsteiner antibodies in a 5 year old female presenting with hemolytic anemia. LabMedicine. 2010;41(4):209-12.

Sanford KW, McPherson RA. Fecal Occult Blood Testing. In: Clinics in Laboratory Medicine: Point of Care Testing. Lewandrowski K, Wells A, eds. Elsevier, Inc. September 2009, 29; 3:523-541.

Sanford KW and Roseff SD. Massive transfusion. ASCP Check Sample in Transfusion Medicine, TM 05-4(TM-280), 2005.

Book Chapters

Sanford, KW. Transfusions. In: "A Guide to Infection Control in the Hospital", Sixth Edition, 2017. Manuscript in press.

The Guide is a practical handbook for the management of nosocomial infections and the development of hospital-based infection control programs. The Guide has been translated into Spanish, Polish, Croatian, Russian, and Chinese.

http://isid.org/publications/guide_infection_contr.shtml#about

Sanford KW and Mais DD. Blood Banking. In: ASCP Quick Compendium Clinical Pathology, 3rd ed. Mais D, ed. USA: ASCP Press; in press.

Sanford KW and Mais DD. Immunology. In: ASCP Quick Compendium Clinical Pathology, 3rd ed. Mais D, ed. USA: ASCP Press; in press.

Sanford KW and Mais DD. Blood Banking. In: ASCP Practical Clinical Pathology, 2nd ed. Mais D, ed. USA: ASCP Press; in press.

Sanford KW and Mais DD. Immunology. In: ASCP Practical Clinical Pathology, 2nd ed. Mais D, ed. USA: ASCP Press; in press.

Long PM, **Sanford KW**, Bluth MH. Immunodeficiency Disorders. In: Henry's Clinical Diagnosis and Management by Laboratory Methods, 23rd ed. McPherson RA, Pincus MR, editors. USA: Elsevier; 2016. Chapter 51; p.983-992.

Sanford KW. Transfusions. In: A Guide to Infection Control in the Hospital, Fifth Edition. The Guide has been translated into Spanish, Polish, Croatian, Russian, and Chinese. http://isid.org/publications/guide_infection_contr.shtml#about

Sanford KW, Roseff SD. Immunodeficiency disorders. In: Henry's Clinical Diagnosis and Management by Laboratory Methods, 21st ed. McPherson RA, Pincus MR, editors. USA: Elsevier; 2006. Chapter 49; p. 906-15.

Sanford KW and Roseff SD. The surgeon and the transfusion medicine service: Essentials of compatibility testing, surgical blood ordering, emergency blood needs and adverse reactions. In: Speiss B, Perioperative Transfusion Medicine, Second edition, Baltimore, MD: Williams and Wilkins. 2006.