

# Sharon Morjig, PharmD, MSCS

Lead Medical Writer at SM Medical Writing [https://www.smmedicalwriting.com/  
contact@smmedicalwriting.com](https://www.smmedicalwriting.com/contact@smmedicalwriting.com)

Contract Medical Writer at Nascent Medical, LLC <https://nascentmc.com/>

## Education

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- 2021 Learn AMA Style  
Nascent Medical, LLC  
Emma Hitt Nichols, PhD
- 2020 PowerPoint 101 for Scientists and Medical Writers  
Udemy  
Emma Hitt Nichols, PhD
- Writing in the Sciences, Stanford University  
Coursera  
Kristin Sainani, PhD
- Freelance Medical Writing 6 Week Course  
Nascent Medical, LLC  
Emma Hitt Nichols, PhD
- 2015-2017 Master of Science in Clinical Sciences Degree  
Anschutz Medical Campus Graduate Program in Clinical Science  
University of Colorado Denver, Aurora, CO  
Mentor: Lisa Cicutto, PhD
- Writing Workshop Seminars: grant writing, literature reviews,  
personal statements, paragraph structuring, writing successful  
scientific stories, effective specific aims  
The Writing Center  
Anschutz Medical Campus, Health Sciences Library  
University of Colorado Denver, Aurora, CO
- 2015-2016 Colorado Pharmacy Residency Teaching Certificate Program  
Residency Oversight Committee  
University of Colorado Skaggs School of Pharmacy and  
Pharmaceutical Sciences, Aurora, CO  
Program Directors: Toby Trujillo, PharmD; Joel Marrs, PharmD
- 2013-2017 Antiviral Pharmacology Postdoctoral Fellowship  
Colorado Antiviral Pharmacology Laboratory  
University of Colorado Skaggs School of Pharmacy and  
Pharmaceutical Sciences, Aurora, CO  
Mentor: Peter Anderson, PharmD

2013-2014	The National Institutes of Health Clinical Center Course in Principles of Clinical Pharmacology Juan J. L. Lertora, MD, PhD
2013-2021	The Collaborative Institutional Training Initiative (CITI Program) Human Research- Biomedical, Grp 1 Biomedical Investigators Good Clinical Practice and ICH, GCP for Clinical Trials with Investigational Drugs and Medical Devices (U.S. FDA Focus) Health Information Privacy and Security for Clinical Investigators
2011	Exploration Seminar: Health Issues in a Developing Nation Christian Medical College, Vellore, India Sri Ramachandra Medical Center, Chennai, India Final paper: <i>An Overview of Antiretroviral Clinics in India</i>
2010-2011	HIV & Sexually Transmitted Infections Graduate Certificate University of Washington Department of Global Health, Seattle, WA  Capstone Paper: <i>HIV/AIDS in vulnerable populations in the United States: urban black women</i>  Capstone Presentation: <i>Bacterial vaginosis in black women in the US: a literature review of the epidemiology, relationship to HIV-1, and pharmacotherapeutic interventions</i>
2009-2013	Doctor of Pharmacy Degree University of Washington School of Pharmacy, Seattle, WA
2006	Bachelor of Science Degree Major: Biology University of Wisconsin, Madison, WI

### **Professional Work Experience**

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Mar 2021-present	Lead Medical Writer SM Medical Writing, Truckee, CA
Oct 2020-present	Freelance Medical Writer (Contract) Nascent Medical, LLC, Atlanta, GA
Oct 2020-Dec 2022	Community Member Colorado Institutional Review Board (COMIRB) University of Colorado Anschutz Medical Campus, Aurora, CO
Jun 2017-Jan 2020	Clinical Pharmacist Investigational Drug Services, Department of Pharmacy Children's Hospital of Colorado, Aurora, CO

Feb-Jun 2017	Research Instructor Department of Pharmaceutical Sciences University of Colorado Anschutz Medical Campus Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO
Jun-Aug 2014	Clinical Pharmacy Shadowing Experience Infectious Disease/ HIV Clinic University of Colorado Hospital, Aurora, CO Supervisor: Jacob Langness, PharmD
Feb-Dec 2014	Retail Pharmacist The Apothecary Pharmacy University of Colorado Boulder, Boulder, CO
Jun 2013-Feb 2017	Antiviral Pharmacology Postdoctoral Fellow Colorado Antiviral Pharmacology Laboratory University of Colorado Anschutz Medical Campus Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO Mentor: Peter Anderson, PharmD
Mar 2013	Pharmacy Intern- Drug/Drug and Drug/Gene Interaction Research Genelex Corporation, Seattle, WA Supervisor: Jessica Oesterheld
2011-2012	Pharmacy Intern Bartell Drugs, Mill Creek, WA Supervisor: Stephanie Hanson, PharmD
2008-2009	Research Associate Microscopy, Allen Institute for Brain Science, Seattle, WA Supervisor: Amanda Ebbert
2007-2008	Customer Service Representative Pharmaca Integrated Pharmacy, Seattle, WA Supervisor: Anne Allen
Apr-Jun 2007	Licensed Nursing Assistant Pediatric Department, Fletcher Allen Health Care, Burlington, VT

### **Licensure and Certification**

Nov 2013	Registered Pharmacist, State of Colorado Number: PHA 0020179 Exp Date: 10/31/2023
Oct 2013	Phlebotomy and 12 Lead EKG Interpretation Certification
Oct 2010	Washington State Pharmacy Association Immunization Certification

## **Grant Activity and Awards**

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Jul 2016	Best Poster Award for a Post-Doctoral Fellow University of Colorado Department of Pharmaceutical Sciences Annual Research Retreat; Breckenridge, CO
Jun 2016	Young Investigator Award HIV & Hepatitis Pharmacology Workshop; Washington D.C
Feb 2015	Young Investigator Award Conference on Retroviruses and Opportunistic Infections; Seattle, WA
Jan 2015	Master of Science in Clinical Sciences Degree Program is supported by NIH/NCATS Colorado CTSI Grant Number UL1 TR001082
2014-2016	Clinical Trial Research Center MicroGrant Colorado Clinical and Translational Science Institute is supported by NIH/NCATS Colorado CTSA Grant Number UL1 TR001082 Project title: Assessing Tenofovir Pharmacology in Older HIV Infected Individuals Receiving Tenofovir-Based Antiretroviral Therapy
May 2014	Young Investigator Award HIV & Hepatitis Pharmacology Workshop; Washington D.C
2013-2016	Colorado HIV Research Training Program (5T32AI744723) Project title: Assessing tenofovir pharmacology in older HIV infected individuals receiving tenofovir-based antiretroviral therapy

## **Publications**

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Nov 2020	Abdo M, Coyle RP, <b>Seifert SM</b> , et al. Associations between tenofovir diphosphate in dried blood spots, impaired physical function, and fracture risk. <i>Open Forum Infect Dis.</i> 2020;8(1):ofaa577. Published 2020 Nov 27. doi:10.1093/ofid/ofaa577
Oct 2019	Coyle RP, <b>Seifert SM</b> , Abdo M, MaWhinney S, Anderson PL, Erlandson KM. Tenofovir-diphosphate in dried blood spots is associated with HIV-related aging factors. 10th International Workshop on HIV & Aging; 2019 Oct 10-11; New York City, NY. Accepted Abstract (Poster).

- Feb 2019 Liu J, Johnson R, Dillon S, Kroehl M, Frank DN, Tuncil YE, Zhang X, Ir D, Robertson CE, **Seifert S**, Higgins J, Hamaker B, Wilson CC, Erlandson KM. Among older adults, age-related changes in the stool microbiome differ by HIV-1 serostatus. *EBioMedicine*. 2019; 40: 583-594.
- Sept 2018 Koss CA, Liu AY, Castillo-Mancilla J, Bacchetti P, McHugh C, Kuncze K, Morrow M, Louie A, **Seifert S**, Okochi H, MaWhinney S, Gandhi M, Anderson PL. Similar tenofovir hair concentrations in men and women after directly observed dosing of tenofovir disoproxil fumarate/emtricitabine: implications for preexposure prophylaxis adherence monitoring. *AIDS*. 2018; 32(15): 2189-2194.
- Aug 2018 MacBrayne CE, Marks KM, Fierer DS, Naggie S, Chung RT, Hughes MD, Kim AY, Peters MG, Brainard DM, **Seifert SM**, Castillo-Mancilla JR, Bushman LR, Anderson PL, Kiser JJ. Effects of sofosbuvir-based hepatitis C treatment on the pharmacokinetics of tenofovir in HIV/HCV-coinfected individuals receiving tenofovir disoproxil fumarate. *J Antimicrob Chemother*. 2018; 73(8): 2112-2119.
- Mar 2018 **Seifert SM**, Castillo-Mancilla JR, Erlandson K, Morrow M, Gandhi M, Kuncze K, Horng H, Zheng JH, Bushman LR, Kiser JJ, MaWhinney S, Anderson PL. Brief Report: Adherence biomarker measurements in older and younger HIV-infected adults receiving tenofovir-based therapy. *J Acquir Immune Defic Syndr*. 2018;77(3): 295-298.
- Dec 2017 Anderson PL, Liu AY, Castillo-Mancilla JR, Gardner EM, **Seifert SM**, McHugh C, Wagner T, Campbell K, Morrow M, Ibrahim M, Buchbinder S, Bushman LR, Kiser JJ, MaWhinney S. Intracellular tenofovir-diphosphate and emtricitabine-triphosphate in dried blood spots following directly observed therapy. *Antimicrob Agents Chemother*. 2017; 62(1).
- Jun 2017 **Seifert SM**, Castillo-Mancilla JR, Erlandson KM, Anderson PL. Inflammation and pharmacokinetics: potential implications for HIV-infection. *Expert Opin Drug Metab Toxicol*. 2017; 13(6): 641-650.
- Feb 2017 Anderson PL, Liu AY, Castillo-Mancilla JR, **Seifert SM**, McHugh C, Wagner T, Buchbinder S, Bushman L, Kiser JJ, MaWhinney S. TFV-DP in dried blood spots (DBS) following directly observed therapy: DOT-DBS Study. Conference on Retroviruses and Opportunistic Infections; Seattle, WA. Feb 2017. Accepted Abstract (Poster).
- Havens PL, Stephensen CB, Van Loan MD, Schuster GU, Woodhouse LR, Flynn PM, Gordon CM, Pan CG, Rutledge B, Liu N, Wilson CM, Hazra R, Hosek SG, Anderson PL, **Seifert SM**, Kapogiannis BG, Mulligan K; Adolescent medicine trials network

for HIV/AIDS interventions 117 study team. Decline in bone mass with tenofovir disoproxil fumarate/emtricitabine is associated with hormonal changes in the absence of renal impairment when used by HIV-uninfected adolescent boys and young men for HIV preexposure prophylaxis. *Clin Infect Dis*. 2017; 64(3): 317-325.

Nov 2016

Chen X, **Seifert SM**, Castillo-Mancilla JR, Bushman LR, Zheng JH, Kiser JJ, MaWhinney S, Anderson PL. Model linking plasma and intracellular tenofovir/emtricitabine with deoxynucleoside triphosphates. *PLoS One*. 2016;11(11).

Oct 2016

**Seifert SM**, Chen X, Meditz AL, Castillo-Mancilla JR, Gardner EM, Predhomme JA, Clayton C, Austin G, Palmer BE, Zheng JH, Klein B, Kerr BJ, Guida LA, Rower C, Rower JE, Kiser JJ, Bushman LR, MaWhinney S, Anderson PL. Intracellular tenofovir and emtricitabine anabolites in genital, rectal, and blood compartments from first dose to steady state. *AIDS Res Hum Retroviruses*. 2016; 32(10-11): 981-991.

Castillo-Mancilla J, **Seifert S**, Campbell K, Coleman S, McAllister K, Zheng JH, Gardner EM, Liu A, Glidden DV, Grant R, Hosek S, Wilson CM, Bushman LR, MaWhinney S, Anderson PL. Emtricitabine-triphosphate in dried blood spots as a marker of recent dosing. *Antimicrob Agents Chemother*. 2016; 60(11): 6692-6697.

Aug 2016

Chen X, Castillo-Mancilla JR, **Seifert SM**, McAllister KB, Zheng JH, Bushman LR, MaWhinney S, Anderson PL. Analysis of the endogenous deoxynucleoside triphosphate pool in HIV-positive and -negative individuals receiving tenofovir-emtricitabine. *Antimicrob Agents Chemother*. 2016; 60(9): 5387-92.

Jun 2016

**Seifert SM**, Castillo-Mancilla JR, Erlandson K, Clayton C, Zheng JH, Bushman LR, MaWhinney S, Anderson PL. Cumulative tenofovir exposure is associated with decreased BMD in young and old HIV-infected adults on tenofovir based regimens. 17th International Workshop on Clinical Pharmacology of HIV & Hepatitis Therapy; Washington D.C. June 2016. Accepted Abstract (Oral).

Chen X, Castillo-Mancilla JR, **Seifert SM**, MaWhinney S, Zheng J, Bushman LR, Anderson, PL. Population pharmacokinetics and pharmacodynamics model linking TDF/FTC with the dNTP pool. 17th International Workshop on Clinical Pharmacology of HIV & Hepatitis Therapy; Washington D.C. June 2016. Accepted Abstract (Poster).

Feb 2016

**Seifert SM**, Chen X, Clayton CW, Alford T, Meditz AL, Castillo-Mancilla JR, Bushman LR, Aquilante CL, MaWhinney S, Anderson

- PL. Transporter genetics and TFV-DP/FTC-TP cellular pharmacology in vivo. Conference on Retroviruses and Opportunistic Infections; Boston, MA. Feb 2016. Accepted Abstract (Poster).
- Oct 2015 Meditz AL, Palmer C, Predhomme J, Searls K, Kerr B, **Seifert S**, Caraway P, Gardner EM, MaWhinney S, Anderson PL. Relationship between genital drug concentrations and cervical cellular immune activation and reconstitution in HIV-1-infected women on a raltegravir versus a boosted atazanavir regimen. *AIDS Res Hum Retroviruses*. 2015; 31(10): 1015-22.
- May 2015 Chen X, Castillo-Mancilla JR, Meditz AL, **Seifert SM**, MaWhinney S, Bushman LR, Anderson PL. Simultaneous Assessment of changes in T-cell activation and endogenous dNTP pools in adults receiving TDF/FTC. HIV & Hepatitis Pharmacology Workshop; Washington D.C, May 2015. Accepted Abstract (Poster).
- Apr 2015 Castillo-Mancilla JR, Meditz A, Wilson C, Zheng JH, Palmer BE, Lee EJ, Gardner EM, **Seifert S**, Kerr B, Bushman LR, MaWhinney S, Anderson PL. Reduced immune activation during tenofovir-emtricitabine therapy in HIV-negative individuals. *J Acquir Immune Defic Syndr*. 2015; 68(5): 495-501.
- Mar 2015 **Seifert SM**, Glidden DV, Meditz AL, Castillo-Mancilla JR, Gardner EM, Predhomme JA, Rower C, Klein B, Kerr BJ, Guida LA, Zheng JH, Bushman LR, Anderson PL. Dose response for starting and stopping HIV preexposure prophylaxis for men who have sex with men. *Clin Infect Dis*. 2015; 60(5): 804-10.
- Feb 2015 **Seifert SM**, Meditz AL, Castillo-Mancilla JR, Gardner EM, Klein B, Kerr BJ, Guida LA, Zheng JH, Bushman LR, Anderson PL. Steady-state TDF/FTC in genital, rectal, and blood compartments in males vs females. Conference on Retroviruses and Opportunistic Infections; Seattle, WA. Feb 2015. Accepted Abstract (Poster).
- Castillo-Mancilla JR, Bushman LR, Meditz A, **Seifert SM**, Zheng JH, Guida LA, Gardner EM, Glidden DV, Grant RM, Anderson PL. Emtricitabine-triphosphate in dried blood spots (DBS) as a marker of recent dosing. Conference on Retroviruses and Opportunistic Infections; Seattle, WA. Feb 2015. Accepted Abstract (Oral).
- Chen X, McAllister K, Zheng JH, Castillo-Mancilla JR, Meditz A, Klein B, **Seifert SM**, Bushman LR, Anderson PL. Effects of tenofovir/emtricitabine on endogenous deoxyribonucleotide pools in vivo. Conference on Retroviruses and Opportunistic Infections; Seattle, WA. Feb 2015. Accepted Abstract (Poster).

- Jan 2015 Scarsi KK, **Seifert S**, Podany AT, Anderson PL, Fletcher CV. Chapter 15: Pharmacogenetics of HIV Treatment. *Pharmacogenomics: Applications to Patient Care, Third Edition*. American College of Clinical Pharmacy. 2015; 233-248.
- May 2014 **Seifert S**, Glidden D, Meditz AL, Castillo-Mancilla J, Klein B, Kerr BJ, Guida LA, Zheng JH, Bushman LR, Anderson PL. Estimated onset and duration of PrEP activity for daily TDF/FTC using the EC90 from iPrEx. HIV & Hepatitis Pharmacology Workshop; Washington D.C, May 2014. Abstract (Oral).
- Castillo-Mancilla J, **Seifert S**, Zheng JH, Meditz A, Klein B, Guida LA, Kerr BJ, Bushman LR, Anderson PL. Population pharmacokinetics of tenofovir-diphosphate in red blood cells in HIV-negative and HIV-infected adults. HIV & Hepatitis Pharmacology Workshop; Washington D.C, May 2014. Abstract (Poster and oral).
- Mar 2014 Castillo-Mancilla J, Meditz A, **Seifert S**, Zheng JH, Kerr BJ, Gardner EM, Palmer BE, Bushman LR, MaWhinney S, Anderson PL. Reduced immune activation during TDF/FTC therapy in HIV-negative individuals. Conference on Retroviruses and Opportunistic Infections; Boston, MA; March 2014. Abstract (Poster).
- Jun 2013 **Seifert SM** and Aigbogun TI. Co-trimoxazole preventive therapy (CPT) in HIV-exposed and HIV-infected children, adolescents, and adults. *Clinical Pharmacy Training Manual for HIV Medicine*. KM Darin, OO Olaitan, KK Scarsi, eds. AIDS Prevention Initiative in Nigeria and Northwestern University Center for Global Health. 2013; 155-165.

### **Teaching and Presentations**

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- Jan 2017 *Introduction to PK/PD: Absorption and distribution*  
Pharmacology 7620: Principles of Pharmacology  
University of Colorado Pharmacology Graduate Program  
Aurora, CO
- Introduction to Pharmacology and PK/PD*  
St. Anthony Pre-Hospital Services Paramedic Academy  
Lakewood, CO
- Jun 2016 *Preceptor for Advanced Pharmacy Practice Education (APPE) Rotation*  
University of Colorado School of Pharmacy  
Aurora, CO



- Feb 2016      *Assessing tenofovir pharmacology in older HIV infected individuals receiving tenofovir-based antiretroviral therapy*  
Clinical Sciences Course 6210  
University of Colorado Clinical Sciences Program  
Aurora, CO
- Introduction to Pharmacology and PK/PD*  
St. Anthony Pre-Hospital Services Paramedic Academy  
Lakewood, CO
- Jan 2016      *Introduction to PK/PD: Absorption and distribution*  
Pharmacology 7620: Principles of Pharmacology  
University of Colorado Pharmacology Graduate Program  
Aurora, CO
- Patient Counseling II: Facilitation*  
PCH220: Formative feedback on patient counseling skills  
Regis University School of Pharmacy  
Denver, CO
- Dec 2015      *Integrated Case Activity: Facilitated Discussion*  
Pharmacotherapy 6 and 7  
University of Colorado School of Pharmacy  
Aurora, CO
- Sept 2015     *HIV case activities*  
Pharmacotherapy 6 Course: Infectious Disease (PHRD 7085)  
University of Colorado School of Pharmacy  
Aurora, Colorado
- Clinical implications of pharmacokinetic research involving tenofovir-based ART*  
Friday Lunchtime HIV Update  
Community Advisory Board of the AIDS Clinical Trials Group (ACTG)  
University of Colorado Anschutz Medical Campus  
Aurora, Colorado
- Dec 2014      *Clinical implications of pharmacokinetic research involving tenofovir-based ART*  
Research in Progress Seminar Series  
University of Colorado School of Medicine  
Department of Infectious Disease  
Aurora, Colorado
- Sept 2014     *HIV case activities*  
Pharmacotherapy 6 Course: Infectious Disease (PHRD 7085)  
University of Colorado School of Pharmacy  
Aurora, Colorado

May 2014	<i>Estimated Onset and Duration of PrEP Activity for Daily TDF/FTC Using the EC90 from iPrEx</i> 15 <sup>th</sup> International Workshop on Clinical Pharmacology of HIV and Hepatitis Therapy, Washington D.C.
Oct 2013	<i>HIV Infection and Medication Considerations in Aging Adults</i> University of Colorado Hospital, Aurora, CO
Apr 2013	<i>Expanding Global Access to Hormone Contraception: Challenges and Future Directions</i> Northwestern University Center for Global Health, Chicago, IL
Nov 2012	<i>Stribild: elvitegravir, cobicistat, emtricitabine, tenofovir</i> Madison Clinic, Seattle, WA
Oct 2012	<i>Patient Presentation: Neurocysticercosis</i> Harborview Medical Center, Seattle, WA
Sept 2012	<i>Refeeding Syndrome</i> Swedish Medical Center, Issaquah, WA
Aug 2012	<i>Racial Distribution of CYP2D6 Genetic Polymorphism</i> Genelex Corporate Headquarters, Seattle, WA

### **Professional Service and Associations**

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2021-present	Society for Health Communication
2020-present	American Medical Writers Association
2020-present	American Association for the Advancement of Science
2013-2017	Peer review of manuscripts published in the following journals: <i>AIDS Research and Human Retroviruses, Expert Review of Clinical Pharmacology, Pharmacotherapy: The Journal of Human Pharmacology and Drug Therapy, Antimicrobial Agents and Chemotherapy, Expert Opinion on Drug Metabolism and Toxicology, Pharmacotherapy</i>

### **Community Service**

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2023	North Tahoe – Truckee Homeless Services, Truckee, CA
2021	Agile International, Boulder, CO
2020	Community Member, Colorado Institutional Review Board (COMIRB), University of Colorado Anschutz Medical Campus, Aurora, CO

2017 Sacred Heart House of Denver, Dinner service/Childcare, Denver, CO

2015 Colorado Volunteer Mobilizer (Medical Professional)  
Project CURE, Medical Supply Distributor, Centennial, CO

Family Promise, Dinner Service, Wheat Ridge, CO

Sacred Heart House of Denver, Dinner service/Childcare, Denver, CO

2014 Habitat for Humanity, Aurora, CO

Food Bank of the Rockies, Aurora, CO

2011 Adult Rehabilitation Center Immunization Event, Seattle, WA

CARE (Communities Are Responding Everywhere) Clinic, Tacoma, WA

Aloha Inn Transitional Living Facility Free Clinic, Seattle, WA

Rise n' Shine (Inspire Youth Project) Camp Counselor, Wenatchee, WA

2010-2011 SITC (Students in the Community) University of Washington Pharmacy School Representative, Seattle, WA

2010 Diabetes Health Fair, Seattle, WA

Adult Rehabilitation Center Health Fair, Seattle, WA

Adult Rehabilitation Center Public Health Presentation, Seattle, WA

Technology Access Foundation (TAF), Highline, WA

2009 Pike Place Market Heartburn Awareness Event, Seattle, WA