

CURRICULUM VITA

Allison Amend Vorderstrasse

Associate Professor, tenured

101 Whisconier Rd
Brookfield, CT 06804

EDUCATION

2011	Certificate	NIH/NINR Summer Genetics Institute
2002-2006	DNSc	Yale University School of Nursing (Chronic Illness Self-Management)
1999-2002	MSN	Yale University School of Nursing (Adult Nurse Practitioner-Diabetes Specialty Concentration)
1996	BSN	Mount Saint Mary College

CERTIFICATION

AACN Adult Nurse Practitioner #0372038 Expires July 31, 2022

PROFESSIONAL EXPERIENCE

Academic Professional Experience

Associate Professor, with tenure, New York University Rory Myers College of Nursing, and
Director of the Florence S. Downs PhD Program in Nursing Research and Theory Development,
2017-

Associate Professor, with tenure, New York University School of Medicine (secondary appointment),
2017-

Associate Professor (tenure track), Duke University School of Medicine (secondary appointment), 2015-

Associate Professor, with tenure, Duke University School of Nursing, May 1 2017 –Sept 2017
Lead Faculty, Precision Health Research, 2016-2017
Dorothy L. Powell Term Chair of Nursing (2017)

Associate Professor (tenure track), Duke University School of Nursing, 2014-2017

Assistant Professor (tenure track), Duke University School of Nursing, 2009-2014

Assistant Professor, Marymount University, School of Nursing, 2006-2008

Clinical Professional Experience

Nurse Practitioner, NOVA Medical Group & Urgent Care Centers, 2006-2008

Nurse Practitioner, New Haven Rheumatology, 2002-2005

Registered Nurse/Case Manager, Temple Recovery Care Center, New Haven CT, 2000-2002

Registered Nurse, Medical Intensive Care Unit, Yale-New Haven Hospital, 1998-2000

Registered Nurse, Charlotte Hungerford Hospital, Torrington CT, 1997-1998

Registered Nurse, Physicians for Women, Danbury CT, 1996-1997

PROFESSIONAL AWARDS AND HONORS

Duke University School of Nursing Distinguished Teaching Award 2014

Fellow of the American Academy of Nursing, Inducted October 2015

International Society of Nurses in Genetics Founders Award for Excellence in Genomic Nursing Research, 2017

LEADERSHIP DEVELOPMENT

Duke LEADER Program – Leadership development for researchers/PIs.

AACN Elevating Leaders in Academic Nursing (ELAN) 2019-2020 Fellow

RESEARCH/GRANT AWARDS

Genomic Risk Testing for Type 2 Diabetes in Primary Care. PI Geoffrey Ginsburg, Co-PIs Alex Cho, **A. Vorderstrasse**, 2009-2012, Duke Endowment. Co-PI Role: Supervise study coordinators in follow-up data collection, and ongoing statistical analysis and dissemination of findings.

eHealth: Second Life Impacts Diabetes Education and Self-Management (SLIDES), PI Constance Johnson, **Co-I A. Vorderstrasse**, 2010-2012, NIH/NLM 1R21LM010727-01, \$600,000 Co-I Role: Supervise diabetes education and intervention in the site; shared responsibility for oversight of analysis and dissemination of findings.

Integrative Health Coaching and Genetic Risk Testing in Primary Care: A Multidisciplinary Approach to Personalized Medicine targeting CHD Risk, PI Ruth Wolever, **Co-PI A. Vorderstrasse**, 2011-2012, Duke Center for Personalized Medicine, \$50,000. Co-PI Role: Oversight of risk counseling profile and intervention; shared responsibility for oversight of study coordinators, statistical analysis and dissemination.

GENERating Behavior Change: Genetic CHD and T2D Risk Counseling & Health Coaching for Behavior Change in Military Personnel, **Multi-PI A. Vorderstrasse**, Co-PI Ruth Wolever, 2013-2016, Air Force Medical Services, \$1,400,000 Co-PI Role: Corresponding PI for grant; oversight of risk counseling profile and intervention; shared responsibility for oversight of study coordinators, statistical analysis and dissemination.

Diabetes Self-Management & Support LIVE (Learning in Virtual Environments), **Multi-PI A. Vorderstrasse**, Co-PIs Constance Johnson, Gail Melkus, 2013-2018, NCE 2018-2019, NHLBI 1 R01 HL118189-01, \$3,200,000. Co-PI Role: Oversight of diabetes education and intervention in the sites; shared responsibility for oversight of study staff, analysis and dissemination of findings.

From Episodic to Real-Time Care in Diabetes Self-Management PI: Ryan Shaw, Status on Grant: Co-I, June 1, 2016-May 31, 2019, NINR 1R15NR015890-01A1, \$476,874, Co-I role: advisory to the team on measures, recruitment and data interpretation.

P20 Exploratory Center for Precision Health in Diverse Populations MPI Melkus/Dickson, Status on Grant: Director, Precision Health Technology Core, 8/8/2018-6/30/2023, NINR P20NR018075.

TRAINING GRANTS/ CAREER AWARDS

Psychosocial Factors Associated with Dietary Intake in Black Women with Type 2 Diabetes, PI **A. Amend**, Sponsor Gail Melkus, 2003-2006, NIH/NINR F31 NR008835-01, \$97,940

Renal Disease Risk Perceptions in African-American Women with Type 2 Diabetes. PI Casey Migliore, **Mentor - A. Vorderstrasse**, 2013-2015. American Nephrology Nurses' Association, \$15,000.

Social Interaction and Support in a Type-2 Diabetes Computer Mediated Environment 1F31NR016622-01, NINR. Lewinski, Allison (PI) 07/01/16-10/01/17. Mentor- **A. Vorderstrasse**

Understanding the Intersection of Stigma and Self-Management in Sickle Cell Disease. 1F31NR017344 Bulgin (PI) 09/01/17-06/30/20. Co-Sponsor- **A. Vorderstrasse**

Exploring the effects of genomic testing on fear of cancer recurrence among breast cancer survivors. 1F31NR017547 Gormley (PI) 11/16/17-11/15/19. Preceptor/Mentor- **AFG. Vorderstrasse**

Depressive Symptoms and Biological Age among African-American Women with Cardiovascular Disease, PI Nicole Perez, Mentors- **A. Vorderstrasse**, J. Taylor. CTSI TL-1 Pre-doctoral Scholar, 2019-2020.

LEveraging A viRtual eNvironment (LEARN) to Enhance Prevention of HIV-related Comorbidities in at-risk Minority MSM, PI Raquel Ramos, Mentor – **A. Vorderstrasse**, NIH/NHLBI (1 K01 HL145580-01A1). Aug 2019-Aug 2024

Grants Under Review

Implementation of an Integrated Digital Physical Activity Promotion Application in Preventive Cardiac Care, PI Margaret McCarthy, Mentor – **A. Vorderstrasse**, AHRQ (K08). Submitted December 2019. (Score: 20).

Adherence Connection for Counseling, Education, and Support (ACCESS-II) Trial, PI Ann Margaret Navarra, co-I - **A. Vorderstrasse**, NIH/NINR (R01). Submitted December 2019 (Score 28).

Physical Activity in Adults with Diabetes: Assess, Promote, Monitor, PI Margaret McCarthy, co-I- **A. Vorderstrasse**, NIH/NIDDK (R34). Submitted Oct. 2019. (Score 34).

PUBLICATIONS

Published

Chyun, D. A. **Amend, A. M.**, Newlin, K., Langerman, S., & Melkus, G. D. (2003). Coronary heart disease prevention and lifestyle interventions: Cultural influences. *Journal of Cardiovascular Nursing*, 18(4), 302-318.

- *Galasso, P., **Amend, A.M.**, Melkus, G.D., Nelson, G. (2005). Barriers to medical nutrition therapy in Black women with type 2 diabetes mellitus. *The Diabetes Educator*, 31, 719-725.
- ***Amend, A. M.**, Melkus, G. D., Chyun, D. A., Galasso, P. & Wylie-Rosett, J. (2007). Validation of dietary intake data in Black women with type 2 diabetes. *Journal of the American Dietetic Association*, 107(1), 112-117.
- Vorderstrasse, A. A.** (2008). Review: dietary interventions, with or without exercise, promote weight loss more than advice alone by M J Franz. *Evidence-Based Nursing*, 11 (2), 44. PMID: 18364414.
- Johnson, C.M., **Vorderstrasse, A.**, Shaw, R. (2009). Virtual worlds in health care higher education. *Journal of Virtual Worlds Research*, 2(2), 3-12.
- *Melkus, G.D., Chyun, D.A., **Vorderstrasse, A.**, Newlin, K., Jefferson, V., Langerman, S. (2010). The Effect of a Diabetes Education, Coping Skills Training and Care Intervention on Physiological and Psychosocial Outcomes in Black Women with Type 2 Diabetes. *Biological Research in Nursing*, 12(1), 7-19. PMID: 20484058.
- Vorderstrasse, A.A.**, Zychowicz, M. (2012). Case studies for ABSN pathophysiology course. *Journal of Nursing Education*, 51 (6), 358. PMID: 22658263.
- *Mabrey, M., **Vorderstrasse, A.**, Champagne, M., Pickett, L.C. (2012). Continuous Intravenous Insulin: An Evaluation in Bariatric Patients Outside of the Intensive Care Unit. *Bariatric Nursing and Surgical Patient Care*, 7 (4).
- *Russo, R., **Vorderstrasse, A.**, Pereira, K., Turner, B. (2013). Screening for depression in patients with diabetes: addressing the challenge. *Journal for Nurse Practitioners*, 9(4), 208-213.
- +Johnson, C., Feenan, K., Setliff, G., Pereira, K., Hassell, N., Beresford, H., Epps, S., Nicollerat, J., Tatum, W., Feinglos, M., **Vorderstrasse, A.** (2013). Building a Virtual Environment for Diabetes Self-Management Education and Support. *International Journal for Virtual Communities and Social Networking*, 5(3), 68-80. PMID: 25699133.
- Vorderstrasse, AA**, Ginsburg, GS, Kraus, WE, Maldonado, CJ, & Wolever, RQ. (2013). Health Coaching and Genomics: Potential Avenues to Elicit Behavior Change in those at Risk for Chronic Disease: Protocol for Personalized Medicine Effectiveness Study in Air Force Primary Care. *Global Advances in Health and Medicine*, 2(3), 26-38. PMID: 24416670.
- De Gagne, J. C., Oh, J., Kang, J., **Vorderstrasse, A.**, & Johnson, C. M. (2013). Virtual worlds in nursing education: A synthesis of the literature. *Journal of Nursing Education*, 52(7), 391-396. PMID: 23755942.
- Vorderstrasse, AA**, Cho, A, Voils, C.I., Orlando, L.A., Ginsburg, G.S. (2013). Clinical utility of genetic risk testing in primary care: The example of Type 2 Diabetes. *Personalized Medicine*, 10(6), 549-564.
- Vorderstrasse, A.A.**, Shaw, R.J., Blaskovitch, J., Johnson, C. (2014 Jan 21). A theoretical framework for a virtual diabetes self-management community intervention. *Western Journal of Nursing Research*, 36(9), 1222-37. PMID: 24451083.
- *+Harris, T., Silva, S., Intini, R., Smith, T., **Vorderstrasse, A.** (2014). Group Diabetes Self-Management Education in a Primary Care Setting: A Quality Improvement Project. *Journal of Nursing Care Quality*, 29(2), 188-193. PMID: 24121861.
- *Swavely, D., **Vorderstrasse, A.**, Maldonado, E., Eid, S., Etchason, J. (2014). Implementation and Evaluation of a Low Health Literacy and Culturally Sensitive Diabetes Education Program. *Journal for Health Care Quality*, 36(6), 16-23. PMID: 23799918.
- *+Johnson C, Feinglos M, Pereira K, Hassell, N., Blascovich, J., Nicollerat, J., Beresford, H. F., Levy, J., **Vorderstrasse, A.** (2014). Feasibility and preliminary effects of a virtual environment for adults with type 2 diabetes: pilot study. *JMIR Research Protocols*, 3(2), e23. PMID: 24713420.
- Vorderstrasse, A.**, Hammer, M., Dungan, J. R. (2014). Nursing Implications of Personalized and Precision Medicine. *Seminars in Oncology Nursing*, 30(2),130-6. PMID: 2474087.

- +Evans KJ, Thompson J, Spratt SE, Lien LF, **Vorderstrasse A.** (2014). The implementation and evaluation of an evidence-based protocol to treat diabetic ketoacidosis: a quality improvement study. *Adv Emerg Nurs J*, 36(2), 189-98. PMID: 24785671.
- *Richardson, G C, Derouin, A L, **Vorderstrasse, A A**, Hipkins, J, Thompson, J A. (2014). Nurse Practitioner Management of Type 2 Diabetes. *Perm J*, 18(2), e134-e140. PMID: 24867560.
- *Cyrus, O., **Vorderstrasse, A.**, Gillis., C., Lesueur, B. (2014). Improving diabetes self-management through telephonic education; A quality improvement study. *Practical Diabetology*, 33 (1), 6-11.
- +Pereira, K., Phillips, B., Johnson, C., **Vorderstrasse, A.** (2015). Internet Delivered Diabetes Self-Management Education: A Review. *Diabetes Technology & Therapeutics*. 17(1), 55-63. PMID: 25238257.
- *Palmer, C; **Vorderstrasse, A**; Weil, A; Colford, C; Dolan-Soto, D. (2015). Evaluation of a Depression Screening and Treatment Program in Primary Care for Patients with Diabetes Mellitus: Insights and Future Directions. *Journal of the American Academy of Nurse Practitioners*, 27(3): 131-6. PMID: 24948181.
- *Katsanis SH, Minear MA, **Vorderstrasse A**, Yang N, Reeves JW, Rakhra-Burris T, Cook-Deegan R, Ginsburg GS, Simmons LA. (2015). Perspectives on Genetic and Genomic Technologies in an Academic Medical Center: The Duke Experience. *Journal of Personalized Medicine*, 5(2), 67-82. PMID: 25854543.
- *+Gallagher, P., King, H., Haga, S., Orlando, L., Joy, S., Trujillo, G., Scott, WM, Bembe M., Baker, D., Cho, AH, Ginsburg, GS, **Vorderstrasse, A.** (2015). Patient Beliefs and Behaviors about Genomic Risk for Type 2 Diabetes: Implications for Prevention. *Journal of Health Communication*, 20(6), 728-35. PMID: 25844569
- ***Vorderstrasse A**, Katsanis SH, Minear MA, Yang N, Rakhra-Burris T, Reeves JW, Cook-Deegan R, Ginsburg GS, Ann Simmons L. (2015). Perceptions of Personalized Medicine in an Academic Health System: Educational Findings. *J Contemp Med Educ.*, 3(1), 14-19. PMID:26236542
- *Migliore CL, **Vorderstrasse A**, Pan W, Melkus GD. (2015). Renal Disease Risk Factors Among Risk Groups Comprised of African American Women With Type 2 Diabetes: A Secondary Analysis. *Diabetes Educ*, 41(5), 569-81. PMID:26202051
- *Rankin A, Blood-Siegfried J, **Vorderstrasse A**, Chlebowy DO. (2015). Implementation of childhood obesity identification and prevention strategies in primary care: A quality improvement project. *International Journal of Pediatrics and Adolescent Medicine*, 2(2), 59–63.
- Vorderstrasse, A.**, Melkus, G., Pan, W., Lewinski, A., Johnson, C. (2015). Diabetes LIVE (Learning in Virtual Environments): Testing the Efficacy of Self-Management Training and Support in Virtual Environments (RCT Protocol). *Nursing Research*, 64(6), 485-93. PMID: 26505161. PMCID: PMC4624251.
- +Migliore, C., Barroso, J., **Vorderstrasse, A.** (2015). Perceptions of renal disease risk among African Americans: A review of the literature. *Journal of Health Disparities Research and Practice*, 9(2).
- Vorderstrasse, A.**, Lewinski, A., Melkus, G., Johnson, C. (2016). Social support for diabetes self-management via eHealth interventions. *Current Diabetes Reports*, 16(7): 56. PMID: 27155606.
- +Xavier, R.M., **Vorderstrasse, A.** (2016). Neurobiological Basis of Insight in Schizophrenia: A Systematic Review. *Nursing Research*, 65(3), 224-37. PMID: 27124258.
- * Wu RR, Myers RA, Hauser ER, **Vorderstrasse A**, Cho A, Ginsburg GS, Orlando LA. Impact of Genetic Testing and Family Health History Based Risk Counseling on Behavior Change and Cognitive Precursors for Type 2 Diabetes. *J Genet Couns.* 2017 Feb;26(1):133-140. doi: 10.1007/s10897-016-9988-z..PMID:27296809
- Vorderstrasse A**, Lewinski A, Melkus GD, Johnson C. (2016, July). Social Support for Diabetes Self-Management via eHealth Interventions. *Current Diabetes Report*, 16(7), 56. PMID: 27155606.

- Docherty SL, **Vorderstrasse A**, Brandon D, Johnson C. (2016, Oct 18). Visualization of Multidimensional Data in Nursing Science. *Western Journal of Nursing Research*. PMID: 27756850.
- Lewinski AA, Anderson RA, **Vorderstrasse AA**, Fisher EB, Pan W, Johnson CM. Analyzing Unstructured Communication in a Computer-Mediated Environment for Adults With Type 2 Diabetes: A Research Protocol. *JMIR Res Protoc* 2017;6(4):e65. DOI: 10.2196/resprot.7442. PMID: 28438726
- +Jang M, Johnson CM, D'Eramo-Melkus G, **Vorderstrasse AA**. Participation of Racial and Ethnic Minorities in Technology-Based Interventions to Self-Manage Type 2 Diabetes: A Scoping Review. *J Transcult Nurs*. 2017 Jul 1:1043659617723074. doi: 10.1177/1043659617723074. [Epub ahead of print] PubMed PMID: 28826353.
- *+Xavier RM, Pan W, Dungan JR, Keefe RSE, **Vorderstrasse A**. Unraveling interrelationships among psychopathology symptoms, cognitive domains and insight dimensions in chronic schizophrenia. *Schizophr Res*. 2017 Jul 7. pii:S0920-9964(17)30403-6. doi: 10.1016/j.schres.2017.07.002. [Epub ahead of print] PubMed PMID: 28693755.
- +Xavier RM, **Vorderstrasse A**. Genetic Basis of Positive and Negative Symptom Domains in Schizophrenia. *Biol Res Nurs*. 2017 Oct;19(5):559-575. doi:10.1177/1099800417715907. Epub 2017 Jul 10. PubMed PMID: 28691507.
- +Reagan L, Pereira K, Jefferson V, Evans Kreider K, Totten S, D'Eramo Melkus G, Johnson C, **Vorderstrasse A**. Diabetes Self-management Training in a Virtual Environment. *Diabetes Educ*. 2017 Aug;43(4):413-421. doi:10.1177/0145721717715632. Epub 2017 Jun 23. PubMed PMID: 28643607.
- +Johnson CM, McIlwain S, Gray O, Willson B, **Vorderstrasse A**. Creating a sustainable collaborative consumer health application for chronic disease self-management. *J Biomed Inform*. 2017 Jul;71:198-206. doi:10.1016/j.jbi.2017.06.004. Epub 2017 Jun 6. PubMed PMID: 28600025; PubMed Central PMCID: PMC5555771.
- *+Seol H, Thompson M, Kreider KE, **Vorderstrasse A**. Diabetes Self-management Quality Improvement Initiative for Medically Underserved Patients. *J Nurs Care Qual*. 2017 Jul/Sep;32(3):272-279. doi: 10.1097/NCQ.0000000000000243. PubMed PMID:27875381.
- *+Klinkner GE, Yaeger KM, Brenny-Fitzpatrick MT, Vorderstrasse AA. Improving Diabetes Self-Management Support: Goal-Setting Across the Continuum of Care. *Clin Diabetes*. 2017 Dec;35(5):305-312. doi: 10.2337/cd17-0029. PMID:29263573
- *+Xavier RM, Dungan JR, Keefe RSE, Vorderstrasse A. Polygenic signal for symptom dimensions and cognitive performance in patients with chronic schizophrenia. *Schizophr Res Cogn*. 2018 Jan 28;12:11-19. doi: 10.1016/j.scog.2018.01.001. PMID:29552508
- *Lewinski AA, Anderson RA, Vorderstrasse AA, Fisher EB, Pan W, Johnson CM. Type 2 Diabetes Education and Support in a Virtual Environment: A Secondary Analysis of Synchronously Exchanged Social Interaction and Support. *J Med Internet Res*. 2018 Feb 21;20(2):e61. doi: 10.2196/jmir.9390. PMID:29467118
- *Xavier RM, Vorderstrasse A, Keefe RSE, Dungan JR. Genetic correlates of insight in schizophrenia. *Schizophr Res*. 2018 May;195:290-297. doi: 10.1016/j.schres.2017.10.021. PMID:29054485
- Xu H, Vorderstrasse AA, McConnell ES, Dupre ME, Østbye T, Wu B. Migration and cognitive function: a conceptual framework for Global Health Research. *Glob Health Res Policy*. 2018 Nov 22;3:34. doi: 10.1186/s41256-018-0088-5. PMID:30519639
- *Xu H, Vorderstrasse AA, Dupre ME, McConnell ES, Østbye T, Wu B. Gender differences in the association between migration and cognitive function among older adults in China and India. *Arch Gerontol Geriatr*. 2018 Nov 22;81:31-38. doi: 10.1016/j.archger.2018.11.011. PMID:30502567

- *Xu H, Ostbye T, Vorderstrasse AA, Dupre ME, Wu B. Place of Residence and Cognitive Function among the Adult Population in India. *Neuroepidemiology*. 2018;50(3-4):119-127. doi: 10.1159/000486596.
- *Xu H, Dupre ME, Østbye T, Vorderstrasse AA, Wu B. Residential Mobility and Cognitive Function Among Middle-Aged and Older Adults in China. *Res Aging*. 2019 Jan;41(1):3-30. doi: 10.1177/0164027518770780. PMID:2966575
- *Jang M, **Vorderstrasse A**. Socioeconomic Status and Racial or Ethnic Differences in Participation: Web-Based Survey. *JMIR Res Protoc*. 2019 Apr 10;8(4):e11865. doi:10.2196/11865. PMID:30969173
- *Jang M, Brandon D, **Vorderstrasse A**. Relationships Among Parental Psychological Distress, Parental Feeding Practices, Child Diet, and Child Body Mass Index. *Nurs Res*. 2019 Jul/Aug;68(4):296-306. doi: 10.1097/NNR.0000000000000344. PMID:30913169
- *Vislapuu M, Broström A, Igländ J, **Vorderstrasse A**, Iversen MM. Psychometric Properties of the Norwegian version of the short form of The Problem Areas in Diabetes scale (PAID-5): a validation study. *BMJ Open*. 2019 Feb 21;9(2):e022903. doi: 10.1136/bmjopen-2018-022903. PMID:30796115.
- Lewinski AA, Anderson RA, Vorderstrasse AA, Johnson CM. Developing Methods that Facilitate Coding and Analysis of Synchronous Conversations via Virtual Environments. *International Journal of Qualitative Methods*. 2019;18:1-13.
- Reagan L, Nowlin SY, Birdsall SB, Gabbay J, **Vorderstrasse A**, Constance J, D'Eramo Melkus G. Recruitment of Research Participants Through Facebook: An Integrative Review. *Nurs Res*. 2019 Aug 16. doi: 10.1097/NNR.0000000000000385. [Epub ahead of print]. PMID:31425434
- Ramos SR, Warren R, Shedlin M, Melkus G, Kershaw T, **Vorderstrasse A**. A Framework for Using eHealth Interventions to Overcome Medical Mistrust Among Sexual Minority Men of Color Living with Chronic Conditions. *Behav Med*. 2019 Apr-Jun;45(2):166-176. doi: 10.1080/08964289.2019.1570074. PMID:31343963
- Wood E, Yang Q, Steinberg D, Barnes A, Vaughn J, **Vorderstrasse A**, Crowley M, Henriquez C, Streicher M, Bass Blue D, Choi S, Shaw RJ. Diabetes Mobile Care: Aggregating and Visualizing Data from Multiple Mobile Health Technologies. *AMIA Jt Summits Transl Sci Proc*. 2019 May 6;2019:202-211. eCollection 2019. PMID:31258972
- Shaw, R.J., Barnes, A., Steinberg, D., Vaughn, J., Diane, A., Levine, E., **Vorderstrasse, A.**, Crowley, M.J., Wood, E., Hatch, D., Lewinski, A., Jiang, M., Stevenson, J., Yang, Q.(2019). Enhancing diabetes self-management through collection and visualization of data from multiple mobile health technologies: Protocol for a development and feasibility trial. *JMIR Res Protoc* 2019;8(6):e13517 DOI: 10.2196/13517.
- Shaw, R.J., Yang, Q., Barnes, A., Hatch, D., Crowley, M.J., **Vorderstrasse, A.**, Vaughn, J., Diane, A., Lewinski, A.A., Jiang, M., Stevenson, J., Steinberg, D. (in press). Self-monitoring Diabetes with Multiple Mobile Health Devices. *Journal of the American Medical Informatics Association*.

*Indicates data based publications; +indicates senior author

Book Chapters

Deshefy-Longhi, T., **Vorderstrasse, A.A.** (2011). Tremor and Fatigue. In Boylan (Ed.), *Clinical Case Studies for the Family Nurse Practitioner*, Wiley-Blackwell.

Vorderstrasse, A. (2014). Diabetes. In Hackley, B. & Kriebs, J. (Ed.), *Primary Care of Women: A Guide for Midwives and Women's Health Providers*, Jones & Bartlett.

Dungan JR, **Vorderstrasse AA**, Jordan SM, & Julian EA (2016). Genomics of Complex Cardiovascular

Diseases (Chapter 11. Part 1) in *Genomic Essential for Graduate Level Nurses* (Diane C. Seibert, Quannetta T. Edwards, Ann H. Maradiegue, and Susan T Tinley, Eds.) DEStech Publications, Lancaster, PA. ISBN: 978-1-60595-094-5

Non-peer reviewed/invited publications

- Vorderstrasse, A. A.** (2008). Review: dietary interventions, with or without exercise, promote weight loss more than advice alone by M J Franz. *Evidence-Based Nursing* 11 (2), 44.
- Johnson, C.M., **Vorderstrasse, A.**, Shaw, R. (2009). Virtual worlds in health care higher education. *Journal of Virtual Worlds Research*, 2(2), 3-12.
- Vorderstrasse, A.** (2010). Cultural issues in diabetes: dietary counseling for Black patients. *Advance for Nurse Practitioners*,1(3), 26-29.
- Nicollerat, J., **Vorderstrasse, A.A.** (2010). Diabetes education in a down economy. *Practical Diabetology*, 29(3), 28-31.
- Blood-Siegfried, J., Hawks, S., Nevidjon, B., Phillips, B., Short, N., Valiga, T., **Vorderstrasse, A.**, Wood, K., & Conrad, R.M. (2012). Online Teaching Guide. Website supported by the Duke University Center for Instructional Technology. Retrieved from <http://sites.duke.edu/onlineguide/>
- Vorderstrasse, A.**, Wolever, R.Q., Cho, A., Ginsburg, G.S. (Jun 13, 2013). Medscape Genomic Medicine, <http://www.medscape.com/viewarticle/805617>.

Non-authored publications (interviews)

- Dolan, T.B., (Feb 1, 2012). Genetic Profiling for Personalized Cancer Care. <http://connect.ons.org/issue/february-2012/up-front/genetic-profiling-for-personalized-cancer-care#sthash.oF5BYGzN.dpuf>
- McIlwain, S., Brown, S. (2015). Diabetes Virtual World. East Coast Games Conference, April 8, 2015, Raleigh, NC.
- Brown, R. (2015). Diabetes LIVE! Virtual World: What Technology Can Do for You! 2015 Revolutionary Learning Conference. Washington, D.C., May 20, 2015.

ABSTRACT PUBLICATIONS

- Amend, A.**, Galasso, P. E., Melkus, G. D., Chyun, D. A., Beale, A., & Wylie-Rosett, J. (June 2004 abstract and presentation ADA Scientific Sessions). Validation of dietary intake data in Black women with type 2 diabetes. *Diabetes (Suppl. 1)*.
- Chyun, D. A., Melkus, G. D., **Amend, A. M.**, Langerman, S., Galasso, P. E., Jefferson, V., Newlin, K., Spollett, G., Grey, M., & Willoughby, C. (June 2004 abstract and poster presentation ADA Scientific Sessions). CHD risk profile & dietary intake in Black women with type 2 diabetes mellitus. *Diabetes (Suppl. 1)*.
- Melkus, G.D., Chyun, D., **Amend-Vorderstrasse, A.**, Jefferson, V., Galasso, P., Langerman, S., Insabella, G., Spollett, G. (June 2007 oral presentation American Diabetes Association Scientific Sessions). Improved health outcomes in urban Black women with T2DM in primary care. *Diabetes (Suppl. 1)*.
- Johnson, C., **Vorderstrasse, A.**, Pereira, K., Hassell, N., Nicollerat, J., Feinglos, M. (poster– June 2012). Interactive Virtual Environment for Diabetes Self-Management. American Diabetes Association Scientific Sessions. *Diabetes (Suppl. 1)*.
- Cho, A., **Vorderstrasse, A.**, Suchindran, S., Lucas, J., Scott, W.M., Bembe, M., Baker, D., Haga, S., Orlando, L., Trujillo, G., Joy, S., Ginsburg, G.S. (June 22, 2013). T2D Genetic Risk Testing in Primary Care. Poster Presentation. American Diabetes Association Scientific Sessions, Chicago IL. *Diabetes (Suppl. 1)*.

PRESENTATIONS-POSTER/PAPER

- Amend, A. M.**, Galasso, P. E., Melkus, G. D., Chyun, D. A., Beale, A., & Wylie-Rosett, J. (June 2004 abstract and presentation ADA Scientific Sessions). Validation of dietary intake data in Black women with type 2 diabetes. *Diabetes (Suppl. 1)*.
- Chyun, D. A., Melkus, G. D., **Amend, A. M.**, Langerman, S., Galasso, P. E., Jefferson, V., Newlin, K., Spollett, G., Grey, M., & Willoughby, C. (June 2004 abstract and poster presentation ADA Scientific Sessions). CHD risk profile & dietary intake in Black women with type 2 diabetes mellitus. *Diabetes (Suppl. 1)*.
- Amend, A.M.**, Langerman, S., Galasso, P., Jefferson, V., Chyun, D. & Melkus, G. (April 2005 abstract and oral presentation ENRS Annual Research Conference). Factors associated with glucose control in Black women with type 2 diabetes.
- Melkus, G.D., Chyun, D., **Amend-Vorderstrasse, A.**, Jefferson, V., Galasso, P., Langerman, S., Insabella, G., Spollett, G. (June 2007 oral presentation American Diabetes Association Scientific Sessions). Improved health outcomes in urban Black women with T2DM in primary care.
- Vorderstrasse, A.A.**, Chyun, D.A., Galasso, P., Langerman, S., Jefferson, V., Melkus, G.D. (Nov. 2009 abstract and poster presentation). Effect of a Culturally Competent Diabetes Intervention on Diet in Black Women with Type 2 Diabetes. American Academy of Nursing Annual Meeting.
- Johnson, C., **Vorderstrasse, A.**, DeGagne, J. SLIDES: Second Life Impacts Diabetes Education and Self-Management. (May 2011). Games for Health Meeting.
- Johnson, C., **Vorderstrasse, A.** Visualization of Multidimensional Data: Feasibility of a Virtual Environment for Diabetes Self-Management. (Feb 2012). Oral presentation for symposium - Southern Nursing Research Society Annual Conference.
- Vorderstrasse, A.** (poster – Feb 2012). Social-ecologic Perspective of Support and Resources in Black Women Living with Type 2 Diabetes. Southern Nursing Research Society Annual Conference.
- Johnson, C., **Vorderstrasse, A.**, Pereira, K., Hassell, N., Nicollerat, J., Feinglos, M. (poster – June 2012). Interactive Virtual Environment for Diabetes Self-Management. American Diabetes Association Scientific Sessions.
- Vorderstrasse, A.**, Wolever, R., Cho, A., Ginsburg, G. Generating Behavior Change: Feasibility and Preliminary Effects Of Genomic Risk Testing and Health Coaching For CHD In Primary Care. (October 2012) oral presentation - International Society of Nurses in Genetics Annual Conference.
- Swavely, D., **Vorderstrasse, A.**, Maldonado, E., Eid, S., Etchason, J. Implementation and Evaluation of a Low Health Literacy and Culturally Sensitive Diabetes Education Program. (June 2013) poster presentation. Academy Health, Baltimore MD.
- Cho, A., **Vorderstrasse, A.**, Suchindran, S., Lucas, J., Scott, W.M., Bembe, M., Baker, D., Haga, S., Orlando, L., Trujillo, G., Joy, S., Ginsburg, G.S. (June 22, 2013). T2D Genetic Risk Testing in Primary Care. Poster Presentation. American Diabetes Association Scientific Sessions, Chicago.
- Cho, A., **Vorderstrasse, A.**, Suchindran, S., Lucas, J., Scott, W.M., Bembe, M., Baker, D., Haga, S., Orlando, L., Trujillo, G., Joy, S., Ginsburg, G.S. (October 5, 2013). Podium presentation - T2D Genetic Risk Testing in Primary Care. International Society of Nurses in Genetics Annual Conference.
- Dungan, J., **Vorderstrasse, A.**, Katsanis, S. (October 5, 2013). Podium presentation - Development & Implementation of an Interdisciplinary Elective in Genomics and Personalized Medicine with a Personal Genome Testing Option. International Society of Nurses in Genetics Annual Conference.
- Vorderstrasse, A.**, Feinglos, M., Pereira, K., Levy, J., Hassell, N., Nicollerat, J., & Johnson, C.M. (2014). Virtual eHealth intervention for diabetes self-management and support. *7th International Conference on Advanced Technologies & Treatments for Diabetes*, February 5–8, 2014, Vienna, Austria.

- Wolever, R. Q., Ginsburg, G.S., Armitage, N.H., Hess, L., Musty, M., Levy, J.A., Rakhra-Burris, T.K., Veldman, T. Liotcheva, V., Mbochi, G., Maldonado, C.J., Scott, W.M., Koteles, M., Bechard, E., Kosey, E., Duda, L., Baluch, S., **Vorderstrasse, A.A.** (Aug 2015). Does Health Coaching Improve Psychological Health in Air Force Participants in Intervention Study on Cardiovascular and Diabetes Risk: Preliminary Analyses. *Military Health System Research Symposium*, August 17-20th, Ft. Lauderdale, FL.
- Vorderstrasse, A., Melkus, G.D., Feinglos, M., Pan, W., Chang, J., Pereira, K., Reagan, L., Kreider, K., Totten, S., Burd, A., Nowlin, S., Birdsall, S., Johnson, C.M. (November 13, 2017). Virtual Environment for Diabetes Self-Management Education and Support: Preliminary RCT Outcomes. *American Heart Association Scientific Sessions 2017*, Anaheim, CA.
- Diané, A., Yang, Q., Hatch, D., Steinberg, D., Barnes, A., Vaughn, J., Vorderstrasse, A., Crowley, M., Shaw, R.J. (January 2019). Enabling Precision Health in Type II Diabetes through Mobile Health Technologies. *Digital Health: From Science to Application. Keystone Symposia*, Keystone, CO.
- Vorderstrasse, A., Melkus, GD, Pan, W., Feinglos, M., Amarasekara, S., Pereira, K., Reagan, L., Kreider, K., Nowlin, S., Burd, A., Hassell, N., Johnson, C. (Nov., 17, 2019). Results of the Diabetes LIVE trial: An immersive virtual environment for diabetes self-management training and support. Oral Presentation. American Heart Association Scientific Sessions, Philadelphia, PA

Invited Presentations/CME

- Vorderstrasse, A.**, Cho, A. (February 2011). Genomic Testing for Type 2 Diabetes and CHD Risk: A Prototype for Personalized Preventive Medicine? American Nurses Association Minority Fellows Program (national).
- Dungan, J., **Vorderstrasse, A.** (February 2011). Integrating Genomic Science & Personalized Medicine Approaches Into Your Nursing Research: An Interactive Workshop. American Nurses Association Minority Fellows Program (national).
- Joy, S., Cho, A., **Vorderstrasse, A.** (October 2011). Update on the Practice of Personalized Medicine in a Primary Care Setting. Duke Medicine Grand Rounds.
- Dungan, J., **Vorderstrasse, A.** (January 24, 2013). Genomics: How New Discoveries Impact Nursing. Duke Nursing Grand Rounds (CEU activity- 1 ANCC contact hour).
- Johnson, C., **Vorderstrasse, A.** (January 28, 2013). Feasibility of a Virtual Environment for Diabetes Self-Management. Duke Endocrinology Grand Rounds (CME activity).
- Johnson, C., **Vorderstrasse, A.** (July 11, 2013). A Virtual Environment for Diabetes Self-Management. Duke Institute for Health Innovations workshop on Chronic Disease Management.
- Vorderstrasse, A.** (February 2014). Genomics in Public Health and Preventive Medicine: Type 2 Diabetes and Cardiovascular Disease. 2014 *American College of Preventive Medicine (ACPM) Annual Meeting*. (Invited speaker).
- Vorderstrasse A.**, Johnson, CM, (2014). Using Second Life Web-Based Applications in Diabetic Patients in a Cardiovascular Seminar entitled How to Leverage Technology in Patient Self-Management. American Heart Association Annual Meeting, Chicago, IL, November 16-19, 2014.
- Johnson, CM, **Vorderstrasse, A.** An Immersive Technology for Self-Management of Type 2 Diabetes. Duke Endocrinology Grand Rounds (CME activity). April 2016
- Vorderstrasse, A.**, Johnson, CM. Multidimensional data in a virtual environment intervention for chronic disease: from coding to visualization. Duke iiD Data Dialogue. Oct. 20, 2016
- Vorderstrasse, A.**, Johnson, CM. Virtual Environment for Chronic Disease Management: Diabetes as an Exemplar. Duke Medicine Grand Rounds (CME activity). Oct. 21, 2016
- Vorderstrasse, A.** Is There a Role for Genomics in Diabetes and Heart Disease Prevention? American Academy of Health Behavior 17th Annual Scientific Meeting. Mar. 20, 2017
- Vorderstrasse, A.**, Johnson, CM. Use of Gaming Modalities to Enhance Compliance. Charlotte Area

Health Education Center. 9th Annual Diabetes Conference: Managing Diabetes in 2017- The Future is NOW! UNC-Charlotte, Cone Center. April 26, 2017

Vorderstrasse, A. Invited panel presenter – Exemplars in Sensor Technology in Research. Council for the Advancement of Nursing Science Advanced Methods Conference. Oct. 24, 2019.

News and Media

Featured in: Park, E. (2013). Duke's virtual reality world tackles diabetes. WNCN News Raleigh, NC. Available at: <http://www.wncn.com/story/23985525/dukes-virtual-reality-world-tackles-diabetes>.

Tweeted by Diabetes Tweets@DiabetesTweets (November 15, 2013). Available at: <https://twitter.com/DiabetesTweets/status/401607583389061120>

Featured in: Rogalski, J. (2014, Winter). Diabetes education and support goes virtual with real benefits. Duke Nursing, 10(1), 18–20. Available at:

http://nursing.duke.edu/sites/default/files/alumni/magazine/1401_sonmag_final2_lorezb.pdf

PROFESSIONAL ACTIVITIES

Current College and University Level Committees

Chair (elected) of Faculty Council, Rory Meyers College of Nursing

Search Committee, Rory Meyers College of Nursing

Doctoral Affairs Committee, New York University

Editorial Board Memberships

Advance for Nurse Practitioners & Physician Assistants Editorial Board – 2010-present

Games for Health Editorial Board – 2011-present

Guest Editor. Journal of Cardiovascular Nursing. Special Issue – Precision Health. 2019/2020.

Membership in Professional Organizations

American Diabetes Association 2002-present

BRIDGE (Behavioral Research in Diabetes Group) Elected member 12/08-present

Council for Advancement of Nursing Science 2009-present

2018 State of the Science Planning committee

International Society of Nurses in Genetics – Research Committee 2012-present

Research Committee Co-Chair 2016-2018

Grant Review

NIH/NIAMSD – Review Panel Discussant for Center for Research Translation grant applications – November 2010

National Institute for Social Care and Health Research (NISCHR) – UK – Grant reviewer- 2012

Health Research Board – Ireland – Grant reviewer – Feb. 2014

International Society of Nurses in Genetics – Grant reviewer – 2014, 2015

NIH/NIDDK – Reviewer for Special Emphasis Panel (Pragmatic Trials and Natural Experiments in Diabetes and Obesity)- 2015-present

Manuscript/Abstract Reviewer

Diabetes Educator

Journal of Healthcare for the Poor and Underserved

Clinical Nursing Studies

Diabetes Spectrum

Western Journal of Nursing Research

Public Health Genomics

Eastern Nursing Research Society – abstract reviewer 2010
 Council for Advancement of Nursing Science – abstract reviewer 2010/2012/2014
 International Society of Nurses in Genetics – Abstract reviewer – 2012/2013

CONSULTATION

Subject matter expert (Nutrition) for Nursing textbook case studies on nutrition care. (2013).
 LearningMate Solutions, Ltd.
 Content expert for AACN Advanced Genetics Nurse portfolio certification. (2014-present).

TEACHING RESPONSIBILITIES

Classroom and Online Teaching:

Marymount University

Course Number	Course Name	Dates: Semester/Year
NU 230	Foundations in Nursing	Fall 06/Spring 07
NU 234	Health Promotion Across the Lifespan	Fall 06-Fall 08
NU 302	Health Assessment	Spring 08
NU550/551	Advanced Pathophysiology	Fall 07/Spring 08
NUF 501	Role Development of the Family NP	Summer 08

Duke University School of Nursing

Course Number	Course Name	Dates: Semester/Year
N447	Nutritional management for diabetes and cardiovascular risk reduction	Spring 2009; Spring 2010; Spring 2011; Spring 2012; Spring 2016
N307	Research Methods	Summer 2009
N445	Diabetes Management	Summer 2009
N330 (ABSN)	Pathophysiology	Fall 2009; Spring 2010; Fall 2010; Spring 2011; Fall 2011; Spring 2012; Fall 2012; Spring 2013; Fall 2013
MADIN Program Summer Seminar	Introduction to Biological and Physical Manifestations of Disease	Summer 2011-Summer 2015
N562	Applied Genomics & Personalized Medicine	Fall 2014
N593	Specialty Seminars in Advanced Pathophysiology for Adult/Gero Health	Spring 2016

New York University College of Nursing

Course Number	Course Name	Dates: Semester/Year
NURSE-GN 3361	PhD Forum I	Fall 2018/Fall 2019
NURSE-GN 3364	PhD Forum IV	Spring 2019
NURSE-GN 3313	Dissertation Proposal Seminar	Fall 2019

Continuing Education:

Duke Health System Duke Nursing Grand Rounds (CEU activity- 1 ANCC contact hour).
 Genomics: How New Discoveries Impact Nursing. Jan. 2013
 Duke Health System Duke health care providers and researchers enrolled in workshop
 Interdisciplinary Collaborative Education Workshop Series on Personalized Medicine
 Title of session: Overview of Key Genomic Applications & Patient Education Oct. 27, 2015

Graduate and Post-Doctoral Supervision:

Post-Doctoral Fellows or Associates

Myoungock Jang, post-doctoral fellow, Duke School of Nursing, 2015-2017

PhD Dissertations

Casey Migliore, Duke University School of Nursing, Renal Disease Risk Factors and Understanding among African American Women with Type 2 Diabetes, 2010-2015, Committee Chair

Kennedy Onori, UNC-Chapel Hill, Nursing diagnoses, diagnosis codes and patient characteristics associated with diabetes hospital admissions, 2010-2013, Committee Member

Allison Lewinski, Duke University School of Nursing, Cognitive complexity and evolving narratives of participants with diabetes in a virtual environment for self-management education and support, 2013-2017, Committee Co-Chair

Rose Mary Xavier, Duke University School of Nursing, Insight in Schizophrenia – symptom and genetic correlates, 2015-2017, Committee Chair

Hanzhang Xu, Duke University School of Nursing, Effects of Internal Migration on Cognitive Function, 2014-2018, Committee Co-Chair

Stacia Birdsall, New York University College of Nursing, Allostatic Load and Preterm Birth Weight, 2017-, Committee Member

Maurade Gormley, New York University College of Nursing, Exploring the effects of genomic testing on fear of cancer recurrence among breast cancer survivors, 2017-, Committee Member

Nicole Perez, New York University College of Nursing, Depressive symptoms and biological age among African American women with cardiovascular disease. 2017-present, Committee Chair.

Komal Murali, New York University College of Nursing, Multiple Chronic Conditions in Palliative Care. 2018-present, Dissertation Reader

DNP Capstone Projects

Anne Derouin, Implementing adolescent diabetes support in a school based health clinic, 2010, Chair

Debra Thompson, Implementing a workplace diabetes self-management education program, 2010, Chair

Katherine Pereira, Enhanced case management process for patients with diabetes in primary care, 2012, Chair

Melanie Mabrey, Implementing intravenous insulin outside the ICU, 2012, Chair

George Baxter, Evaluation of visit frequency and weight loss outcomes in patients at medically supervised weight loss clinic, 2012, Chair

Olive Cyrus, Implementing a telephone based diabetes education program for military personnel and dependents, 2012, Chair

Carrie Palmer, Depression screening protocol for patients with diabetes in an internal medicine practice, 2012, Chair

Deborah Swavely, Low health literacy diabetes education program for vulnerable populations, 2012, Chair

Audra Rankin, Implementation of Childhood Obesity Identification and Prevention Strategies in Primary Care, 2012, Committee Member

Rebecca Hill Russo, Addressing and identifying depression in patients with diabetes in primary care, 2013, Chair

Tara Harris, Implementing diabetes self-management patient education in a rural primary care clinic, 2013, Chair

Kathryn Evans, Establishing and evaluating a treatment protocol for diabetic ketoacidosis in the ER/MICU, 2013, Chair

Barbara Rosato, Nurse practitioner management of high risk diabetes patients in primary care settings, 2015, Chair

Haesun Sol, Diabetes self-management intervention for the medically underserved patients in a Federally Qualified Health Center, 2014-2016, Chair

Gwen Klinkner, Goal setting intervention and follow-up from inpatient to outpatient settings in diabetes care, 2015-2017, Chair

Master's Theses / Research Projects

Joseph Sowunmi, Exploring Relationships between Knowledge, Social Support, and Self-Care in Adults with Type 2 Diabetes in a Virtual Environment for Self-Management Education, 2014-present, primary Duke mentor – BRIDGE scholar program.

Nicole Calhoun, Factors related to risk reducing behaviors among adults at risk for type 2 diabetes, 2015-present, primary Duke mentor – BRIDGE scholar program.