

CURRICULUM VITAE

NAME: Susan Alexander
 RANK: Associate Professor
 DATE OF APPOINTMENT: August 12, 2016
 EMAIL: susan.alexander@uah.edu
 TELEPHONE: 256-824-2428

EDUCATION:

<i>Year</i>	<i>Degree</i>	<i>Institution</i>	<i>Major</i>
2009	D.N.P	University of Alabama in Huntsville	Nursing
2001	M.S.N.	University of Alabama in Huntsville	Nursing
1992	B.S.N.	University of Alabama in Huntsville	Nursing

CERTIFICATIONS:

<i>Year</i>	<i>Title of Certification</i>
2019	Adult Health Nurse Practitioner Recertification ANCC# 0386827
2019	Advanced Diabetes Management Recertification ANCC# 2009001149
2003	Master of Science in Nursing Adult Health Clinical Nurse Specialist

PROFESSIONAL ACADEMIC EXPERIENCE:

2016-Present	Associate Professor	University of Alabama in Huntsville
2013-2016	Clinical Associate Professor	University of Alabama in Huntsville
2009-2013	Clinical Assistant Professor	University of Alabama in Huntsville

PROFESSIONAL EXPERIENCE:

2018-Present	Certified Registered Nurse Practitioner	Primarily Geriatrics, Inc.
2016-2018	Certified Registered Nurse Practitioner	Internal Medicine Partners, LLC
2014-2016	Certified Registered Nurse Practitioner	Riverside Family Health, LLC
2012-2014	Certified Registered Nurse Practitioner	NC Health Care Clinic
2011-2013	Diabetes Educator, Diabetes Self-Management Classes	Crestwood Medical Center
2010	Disease Specific Care Program Intermittent Reviewer (Inpatient Diabetes Programs)	The Joint Commission
2003-2013	Certified Registered Nurse Practitioner	Diabetes and Lipids Center
2003-2004	Independent Consultant Wound Care Device Study	Biofisica, LLC
2001-2003	Case Manager	Baptist Home Care Services
1999-2001	Marketing Coordinator	Hospice of the Valley
1996-1999	Case Manager	Hospice of the Valley
1992-1996	Staff Nurse	Michael A. Hennigan, MD
1992	Staff Nurse ICU/CCU	Decatur General Hospital
1991-1992	Patient Care Assistant ICU/CCU	Decatur General Hospital

SCHOLARSHIP:**Publications:***Invited:*

- 2021 **Alexander, S.** In celebration of nursing: stories of our history for young readers. *CNS: The Journal for Advanced Nursing Practice*, 35(4):169-170.
- 2021 **Alexander, S.,** Frith, K.H. (2021). Using Nursys® as a primary source for licensure information. *Nursing Education Perspectives*, 42(3): 200-201.
- 2021 Frith, K.H., **Alexander, S.** (2021). Wearable and mobile technologies create innovations in health care. *CNS: The Journal for Advanced Nursing Practice*, 35(3): 116-118.
- 2021 **Alexander, S.** (2021, February 23). Launch of Deep Breath will produce measurements of boundary-layer ozone for future health impact studies. Published online for the University of Alabama in Huntsville, College of Nursing Blog. <https://www.uah.edu/nursing/blog/15953-launch-of-deep-breath-will-produce-measurements-of-boundary-layer-ozone-for-future-health-impact-studies>
- 2021 Austin, R., Monsen, K., **Alexander, S.** (2021). Capturing whole-person health data using mobile applications. *CNS: The Journal for Advanced Nursing Practice*, 35(1): 14-17.
- 2020 Ng, Y.C., Mayeux, J., **Alexander, S.** (2020). Opportunities meeting needs: expanding HIV prevention beyond current clinical practice. *CNS: The Journal for Advanced Nursing Practice*, 34(3): 96-98.
- 2019 **Alexander, S.,** O-Neal, P.V. (2019). Scientific inquiry meets the bedside: improving practices in airway management. *CNS: The Journal for Advanced Nursing Practice*, 33(3): 114-116.
- 2018 Black, C. B., **Alexander, S.** (2018). Data and the nurse: combining expertise in clinical domains and data analysis. *CNS: The Journal for Advanced Nursing Practice*, 32(6): 296-298.
- 2018 **Alexander, S.** (2018). Optimizing data generation and application in healthcare: the integral role of the nurse. *CNS: The Journal for Advanced Nursing Practice*, 32(3): 116-120.

- 2017 **Alexander, S.** (2017). Leadership in nursing: the importance of influence. *CNS: The Journal for Advanced Nursing Practice*, 31(6): 309-310.
- 2017 **Alexander, S.** (2017). The business of interpersonal team relationships. *CNS: The Journal for Advanced Nursing Practice*, 31(5): 240-242.
- 2017 **Alexander, S.** (2017). Promoting civility in education and practice: one nurse's experience. *CNS: The Journal for Advanced Nursing Practice*, 31(2) 79-81.
- 2017 **Alexander, S.,** Hunter, A. (2017). Challenges in fall prevention and fall-related injuries for older adults. *CNS: The Journal for Advanced Nursing Practice*, 31(1): 20-22.
- 2017 Proehl, J.A., **Alexander, S.,** Manton, A. P. (2017). Integrity and transparency in reporting clinical trials. *CIN: Computers, Informatics, Nursing*, 35(1): TC1-TC2.
- 2017 Proehl, J.A., **Alexander, S.,** Manton, A.P. (2017). Integrity and transparency in reporting clinical trials. *Advanced Emergency Nursing Journal*, 39(1): 1-2.
- 2017 Proehl, J.A., **Alexander, S.,** Manton, A.P. (2017). Integrity and transparency in reporting clinical trials. *Journal of Emergency Nursing*, 43(2): 96-97.
- 2017 **Alexander, S.** (2017). Environmental health disparities: Urban air quality from a coupled human environment systems perspective, pp. 108-110. In *Brain Waves: A Compendium of Ideas and Views from UAH Campus Thought Leaders*, Garner, R. (ed.). Huntsville, AL: University of Alabama in Huntsville.
- 2017 Barnby, E., **Alexander, S.** (2017). Collaborative research: an advanced practice nurse's experience in genome research and treatment. *CNS: The Journal for Advanced Nursing Practice*, 31(4): 191-194.
- 2016 Delaney, C.W., Pruinelli, L., **Alexander, S.,** & Westra, B.L. (2016). 2016 Nursing knowledge big data science initiative. *CIN: Computers, Informatics, Nursing*, 34(9): 384-386.
- 2016 **Alexander, S.** (2016). Ice bucket conversations: developing programs for finding out what matters most. *CNS: The Journal for Advanced Nursing Practice*, 30(4): 200-204.
- 2016 **Alexander, S.** (2016). Polishing your presence online: wise use of social media to enhance your reputation. *CNS: The Journal for Advanced Nursing Practice*, 30(5): 261-263.
- 2016 **Alexander, S.** (2016). The nurse as author: is publishing for you? *CNS: The Journal for Advanced Nursing Practice*, 30(3): 148-149.

- 2016 **Alexander, S.** (2016). Nurses in business: the time is now. *CNS: The Journal for Advanced Nursing Practice*, 30(2): 86-88.
- 2016 **Alexander, S.** (2016). Scholarship in clinical practice: an update on recommendations for DNP programs. *CNS: The Journal for Advanced Nursing Practice*, 30(1): 58-61.

Refereed Journal Articles:

- 2021 Lerret, S., Stendahl, G., **Alexander, S.**, Pendegraft, A., & Hoy, H. (2021). A descriptive study of transplant coordinator job satisfaction. *Progress in Transplantation*, 31(3): 228-235.
- 2021 Naeger, A., Newchurch, M., Chance, K., Liu, X. **Alexander, S.**, Murphy, K., Wang, B. (2021, July 12). Tropospheric emissions: monitoring of pollution (TEMPO) early adopters workshop: revolutionary air-quality observations from the geostationary orbit. *Bulletin of the American Meteorological Society*. Published online at <https://doi.org/10.1175/BAMS-D-21-0050.1>
- 2021 Hull, M. A., **Alexander, S.**, & Adam, R. A. (2021). Implementation of an electronic health record notification system to improve long-term management of pessary devices. *Urologic Nursing*, 41(1): 9-19.
- 2021 Beale, N., Carroll, W., Aldrich, K., **Alexander, S.**, Baernholdt, M., Fields, W. The fingerprint of nursing: what a unique nurse identifier means for our future. *AJN, American Journal of Nursing*, 16(9): 2-6.
- 2020 Ulrich, V., **Alexander, S.**, Bos, A.J.G. (2020). Quality of life and mortality of Brazilian nonagenarians and centenarians with urinary incontinence: urinary incontinence in 90+ Brazilians. *Pan-American Journal of Aging Research*. :8:1-9. <https://doi.org/10.15448/2357-9641.2020.1.38763>
- 2020 **Alexander, S.**, Naeger, A., Newchurch, M. Understanding of the impact of air quality on population health: the potential of geostationary satellite instruments to increase knowledge of atmospheric chemistry. *One Health Newsletter*, 12(1). http://www.vet.k-state.edu/OneHealth/Vol12-Iss1/air_quality.html

- 2020 Sano, J., **Alexander, S.** (2020). Using an evidence based approach for EHR downtime education in nurse onboarding. *CIN: Computers, Informatics, Nursing*. 38(1): 36-44.
- 2020 **Alexander, S.**, Kaulfus, A., Phillips, C.E., Baron, B., McHenry, J.N., Nair, U. (2020). Utility of a low-cost, dense sensor network for the study of air quality impact upon human health in urban and rural areas. *Annual Review of Nursing Research*, 38(1): 1-14.
- 2020 Amiri, A., Mahalingam, B., Derbes, A., Haney, J., **Alexander, S.**, Orman, W. (2020). The impact of chronic ambient exposure to PM_{2.5} and ozone to prevalence rates for asthma and COPD mortality in the southeastern United States. *Annual Review of Nursing Research*, 38(2): 15-33.
- 2019 Riordan, J., **Alexander, S.**, Montgomery, I. (2019). Use of technology to increase physical activity in female veterans and soldiers ages 19-64. *Journal of the American Association of Nurse Practitioners*; 31(10): 575-582.
- 2019 Hatwood, C., **Alexander, S.**, Imsand, E. (2019). Nurse researchers move to the cloud: protecting sensitive data in cloud-based storage environments. *Clinical Nurse Specialist: The Journal for Advanced Nursing Practice*. 33(4): 164-166.
- 2019 Sullivan, V. H., Hays, M. M., & **Alexander, S.** (2019). Health coaching for patients with type 2 diabetes mellitus to decrease 30-day hospital readmissions. *Professional Case Management*, 24(2): 76–82.
- 2018 Alford, D., **Alexander, S.**, Barr, R. (2018). Optimization of clinical decision support tools for the care of older adults with diabetes mellitus type 2. *CIN: Computers, Informatics, Nursing*, 36(6): 259-264. doi: 10.1097/CIN.0000000000000452
- 2018 University of Alabama in Huntsville, College of Nursing Writing Team. **Alexander, S.** Co-writer (2018). *Striving for excellence: Creating environments that promote the pedagogical expertise of faculty*. National League for Nursing Center of Excellence in Nursing Education.
- 2018 Ng, Y. C., **Alexander, S.**, & Frith, K. H. (2018). Integration of mobile health applications in health information technology initiatives: expanding opportunities for nurse participation in population health. *CIN: Computers, Informatics, Nursing*, 36(5), 209-213. doi:10.1097/cin.0000000000000445
- 2017 Kaulfus, A., **Alexander, S.**, Zhao, S., O’Keefe, L., Oster, R., Bartlucci, A. (2017). The inherent challenges of using large datasets in healthcare research: experiences of an interdisciplinary team. *CIN: Computers, Informatics, Nursing*. 35(5)221-225.

- 2017 Hoy, H., **Alexander, S.**, Frith, K.H. (2017). The Effect of transplant education on nurses' attitudes toward organ donation and advocacy for transplantation: instrument development. *Progress in Transplantation*, 27(2): 175-179.
- 2015 Slaughter, A., Frith, K.H. **Alexander, S.**, O'Keefe, L., & Stoll, R. (2015). Promoting best practices for managing acute low back pain in occupational environments. *Workplace Health & Safety*. 63(9):408-14.
- 2013 Maskey, M., **Alexander, S.**, Conover, H., Gamble, J., Hoy, H., & Fraley, A.M. Powering transplant professional collaborations with web and mobile apps. (2013). *CIN: Computers Informatics, Nursing (CIN Plus)*. 31(8): 351-5.
- 2013 **Alexander, S.**, Hoy, H., Maskey, M., Conover, H., Gamble, J., & Fraley, A.M. (2013). Initiating collaboration among organ transplant professionals through web portals and mobile apps. *Online Journal of Issues in Nursing*, May 13; 18(2): 7.
- 2012 Hoy, H., **Alexander, S.**, Roberts, L.J., Wells, N., Pinson, C.W., & Feurer, I.D. (2012). The Negative effect of pre-transplant body mass index on health-related quality of life after lung transplantation. *Progress in Transplantation*, 22(4): 2-6.
- 2011 Hoy, H., **Alexander, S.**, & Frith, K.H. (2011). Effect of transplant education on nurses' attitudes toward organ donation and plans to work with transplant patients. *Progress in Transplantation*. 21(4): 317-321.
- 2011 Hoy, H., **Alexander, S.**, Payne, J., & Zavala, E. (2011). The role of advanced practice nurses in transplant center staffing. *Progress in Transplantation*, 21(4): 294-298.
- 2011 **Alexander, S.**, Frith, K.H., O'Keefe, L., & Hennigan, M.A. (2011). Implementation of customized health information technology in diabetes self-management training programs. *Clinical Nurse Specialist: The Journal for Advanced Nursing Practice*, 25(2): 63-70.
- 2010 McAbee, J., **Alexander, S.**, & Cretul, J. (2010). Multilevel implementation of the Synergy Model in an STICU. *Clinical Nurse Specialist: The Journal for Advanced Nursing Practice*, 24(2): 217.

Book Chapters:

- 2019 **Alexander, S.,** & Shirey, M. (2019). Advanced nursing practice: pathway to entrepreneurship, pps. 415-430. In *Foundations of Clinical Nurse Specialist Practice, (3rd ed)*. New York: Springer.
- 2012 **Alexander, S.,** & Hoy, H., (2012). Supporting learner success: Pre-enrollment through outcomes evaluation. In *Distance Education in Nursing (3rd ed)*. New York: Springer Publications.

Book (authored/edited)

- 2018 **Alexander, S.,** Frith, K.H., & Hoy, H. (2019). *Applied Clinical Informatics in Nursing, 2nd ed*. MA: Jones and Bartlett Learning.
- 2014 **Alexander, S.,** Frith, K.H., & Hoy, H. (2014). *Applied Clinical Informatics in Nursing*. Burlington, MA: Jones and Bartlett Learning.

Conference Proceedings

- 2018 Moore, T., Newchurch, M. **Alexander, S.** (2018, April). In *TEMPO Early Adopters Workshop: Meeting Summary*. Western States Air Resources Council (WESTAR) and Western Regional Air Partnership (WRAP). Fort Collins, CO.
- 2012 **Alexander, S.** & Hoy, H. (2012, May). Barriers to using technology for diabetes self-management in the older adult. Published in *CHI 2012: Emerging Technologies for Healthcare & Aging Workshop*, Austin, TX.

Supervision of Student Research/Projects:

- 2021 Simmons, J. Integrating mHealth technology to improve self-management activities in patients with type 2 diabetes mellitus. Graduated Fall, 2021.
- 2021 Brady, L. Deployment of a quality of life instrument to collected patient self-reported symptoms data in triggering best practice advisories. In process.
- 2021 Camp, S. Telehealth support to decrease veterans' risk for type 2 diabetes mellitus. In process.

- 2020 Knisley, J. Development of an evidence-based clinical practice protocol for home warfarin management in patients with left ventricular assist devices. Graduated Fall, 2020.
- 2020 Ubaka, G. Reducing hospital readmission due to ambulatory care sensitive conditions: impact of targeted monitoring by ambulatory care registered nurses. In process.
- 2020 Gildersleeve, K. Implementing a brief nonpharmacological smoking cessation program among mentally ill patients residing in a transitional care facility. Graduated Fall, 2020.
- 2019 Hatwood, C. Cybersecurity best practices for management of protected health information in research environments. Graduated Spring, 2019.
- 2018 Buan, I. An algorithm for escalating clinical scenarios in telemedicine for geriatric residents in senior living communities. Graduated Fall, 2020.
- 2018 Likembi, N. E. Improving the accuracy of risk prediction for pressure ulcers in residents of long-term care. Graduated Fall, 2019.
- 2018 Sano, J. Using a best practice approach for EHR downtime guidance in onboarding of newly hired nurses. Graduated Fall, 2018.
- 2018 Hull, M. Implementation of an electronic health record notification system for reduction of pessary complications. Graduated Spring, 2020.
- 2018 Fournace, L. Securing payment for services provided by advanced practice nurses: framework for organizations. Graduated Spring, 2020.
- 2017 Alford, D. Optimization of clinical decision support systems for patients with type 2 diabetes. Graduated Fall, 2017.
- 2017 Riordan, J. Evaluation of mobile application to increase physical fitness in female veterans. Graduated Fall, 2017.
- 2015 Revell, C. Using the Health Belief Model for patients with Type II Diabetes: a provider preventative tool for advanced practice nurses. Graduated Fall, 2015.
- 2015 Reynolds, M. Evaluation of cultural and programmatic influences of health literacy knowledge in pre-licensure nursing students. Graduated Fall, 2015.
- 2014 McPeters, S. Promoting organizational membership in professional nurses. Graduated Fall, 2014.

- 2014 Linsky, R. Evaluation of an evidence-based fall prevention education program for community - dwelling older adults. Graduated Spring, 2014.
- 2012 Wofford, J. An evidence-based heart failure program designed to reduce 30-day readmissions. Graduated Fall, 2012.

Presentations:

Invited:

Local

- 2021 Frith, K.H., O'Keefe, L., **Alexander, S.** (2021, March). *Manuscript decisions from the editor: what's next?* Presented to the DNP Intensive, University of Alabama in Huntsville, College of Nursing. Held online due to COVID-19 travel restrictions.
- 2015 **Alexander, S.** (2015, September). *NPAA update.* Presented at the North Alabama Nurse Practitioners Association Annual Symposium, Huntsville, Alabama.
- 2012 **Alexander, S.** (2012, September). *Diabetes update.* Presented at CE Saturday, University of Alabama in Huntsville, College of Nursing.
- 2012 **Alexander, S.** (2012, February). *Continuous glucose monitoring systems: a novel therapeutic approach in the management of diabetes mellitus.* Presented for the Undergraduate Honors Forum, University of Alabama in Huntsville.
- 2012 **Alexander, S.** (2012, September). *Advanced practice nursing: an overview.* Presented for the Health Careers Day, University of Alabama in Huntsville.
- 2011 **Alexander, S.** (2011, November). *Diabetes update.* Presented for the American Association of Critical Care Nurses, Huntsville, Alabama.
- 2011 **Alexander, S.** (2011, June). *CSI3: Clinical simulation, investigation, implications, interventions.* Presented to BSN Nursing students, University of Alabama in Huntsville, College of Nursing
- 2011 **Alexander, S.** (2011, April). *Treating diabetes in the United States.* Presented for the Agency of International Development, Community Connections Program, University of Alabama in Huntsville
- 2008 **Alexander, S.** (2008, June). *Diabetes update.* Presented to the Office Nurses Association, Decatur, Alabama.

- 2006 **Alexander, S.** (2006, May). *Diabetes update*. Presented to the Office Nurses Association. Decatur, Alabama.
- 2006 **Alexander, S.,** Hennigan, M. (2006, December). *Diabetes update*. Presented to the University of Alabama at Birmingham, School of Nursing.
- 2005 **Alexander, S.** (2005, December). *Ankle brachial index measurement*. Presented to the staff of the Diabetes and Lipids Center, Decatur, Alabama.
- 2004 **Alexander, S.** (2004, April). *Update on lipid management therapies*. Presented to the Office Nurses Association, Decatur, Alabama.
- State
- 2019 **Alexander, S.,** Prevallet, B., Naeger, A., Nair, U., Gilder, R. (2019, September). *Environmental factors and readmission exclusions*. Alabama Hospital Association Quality Task Force, Montgomery, Alabama.
- 2019 Adams, E., & **Alexander, S.** (2019, February). Promoting rigor in the DNP Project. Presented at the 2019 University of Alabama System DNP Intensive, Huntsville, AL.
- 2018 **Alexander, S.** (2018, April). *Transforming Healthcare through Leadership, Policy, and Collaboration*. Presentation at the Joint DNP Intensive, Birmingham, AL.
- 2017 **Alexander, S.** (2017, October). *Legislative Update in Alabama*: Presentation at the Nurse Practitioner Alliance of Alabama 11th Annual Meeting, Birmingham, AL.
- 2017 **Alexander, S.** (2017, July). *Nurse Practitioner Alliance of Alabama: Legislative Update*. Presentation at the Central Alabama Nurse Practitioner Association, Birmingham, AL.
- 2017 **Alexander, S.** (2017, February). *Nurse Practitioner Alliance of Alabama: present challenges to providing care in Alabama*. Presentation at the State of Alabama Association of Colleges of Nursing, Birmingham, AL.
- 2015 **Alexander, S.** (2015, November). *Nurse Practitioner Alliance of Alabama: update on annual activities*. Presentation at the Nurse Practitioner Alliance of Alabama Annual Meeting in Birmingham, AL.
- 2015 Frith, K., & **Alexander, S.** (2015, May). *Using distance learning to educate students about human factors in computing*. Presentation at the UA System Scholars Institute at the University of Alabama at Birmingham.
- 2014 **Alexander, S.** (2014, August) *Nurse Practitioner Alliance of Alabama: update on annual activities*. Presentation at the Wiregrass/Nurse Practitioner Alliance of Alabama Annual Meeting in Panama City Beach, FL.

- 2014 **Alexander, S.** (2014, April). *Education principles for a partnership in asthma care.* Presentation at the Asthma Educator Institute Course of the American Lung Association (Alabama Chapter) in Huntsville, AL.

National

- 2021 Naeger, A., Newchurch, M., Liu, X., Just, A., **Alexander, S.** (2021, January). *The NASA TEMPO mission: revolutionary air pollution observations for environmental health applications.* Presentation to the American Meteorological Society 101st Annual meeting. Held online due to COVID-19 travel restrictions.
- 2020 **Alexander, S.**, Naeger, A., Newchurch, M. *Trace gas pollution and COVID-19.* (2020, May). Presentation to the MAIA-TEMPO Early Adopters Workshop. Held online due to COVID-19 travel restrictions.
- 2019 **Alexander, S.**, Prevallet, B., Naeger, A., Nair, U., Gilder, R. (2019, September). *Applications of TEMPO proxy data in healthcare use cases.* Presentation to the Alliance of Nurses for Healthy Environments, Mt. Rainier, Maryland. Held online due to COVID-19 travel restrictions.
- 2019 Naeger, A., Newchurch, M., **Alexander, S.**, Berndt, E., Duran, E., (2019, June). *Synthetic TEMPO data products at NASA SPoRT for air quality and public health communities.* Presentation at TEMPO Science Team Meeting in Madison, WI.
- 2018 **Alexander, S.**, Newchurch, M. (2018, May). *TEMPO applications to air quality and health.* Presentation at Tropospheric Emissions: Monitoring of Pollution (TEMPO) Applications Workshop in Fort Collins, CO.
- 2018 Bartolucci, A., Kaulfus, A., **Alexander, S.**, Zhao, S., Oster, R., O'Keefe, L. (2018, May). *Challenges of dealing with data registries.* Presentation at Keryx Biopharmaceuticals Annual Sessions in Boston, MA.
- 2014 **Alexander, S.** (2014, September). *Diabetes and the transplant patient.* Presentation at the 10th Annual Transplant Nurse Practitioner Symposium in Nashville, Tennessee.
- 2012 **Alexander, S.** (2012, September). *Diabetes and the transplant patient.* Presentation at the 8th Annual Transplant Nurse Practitioner Symposium in Nashville, Tennessee.
- Media Contributions:*
- 2019 Baker, E. (Producer). (2019, October 10). *Revolutionary NASA Satellite Providing*

Better Data on Air Quality. [Television Broadcast]. Huntsville, AL. WHNT –CBS News Affiliate. Available online at: <https://whnt.com/2019/10/10/revolutionary-nasa-satellite-providing-better-data-on-air-quality/>

Peer-Reviewed:

Local

2011 Hoy, H., **Alexander, S.**, Maskey, M. (2011, November). *Web-based mobile application in organ transplantation*. Presented at the Sigma Theta Tau International Beta Phi Chapter Annual Research Day, in Huntsville, Alabama.

State

2021 **Alexander, S.**, Adams, E. (2021, March). *Promoting rigor in DNP programs*. Presented at the Alabama League for Nursing Annual Conference. Held online due to COVID-19 travel restrictions.

2019 **Alexander, S.**, Gilder, R. (2019, October). *Use of hospital services for mental health and substance abuse disorders by older adults in Alabama*. Presented at the UA System Behavioral Health Symposium, in Birmingham, Alabama.

2011 **Alexander, S.** (2011, May). *Use of mobile technology applications in caring for the patient with diabetes*. Presented at the University of Alabama System Scholars Institute, Innovations Forum, in Tuscaloosa, Alabama.

National

2021 **Alexander, S.**, Imsand, E., & Cowing, H. *Integrating NIST-Based Standards to Optimize HIPAA Compliance: Practical Applications for Point-of-Care and Beyond*. Presented November 18, 2021, to the HIMSS 8th Annual Gulf Coast (GCS) Conference, Mobile, AL.

2019 **Alexander, S.**, Tinnirello, T. (2019, October). *Health data analysis using Google Cloud Platform (Satellite)*. Presented at New Applications in the Use of Satellite Data Monitoring for Population Health, in Huntsville, Alabama.

2019 Naeger, A., Newchurch, M., **Alexander, S.**, Miller, C.C. NASA SPoRT Team, TEMPO Team. (2019, October). *TEMPO Early Adopters*. Presented at New Applications in the Use of Satellite Data Monitoring for Population Health, in Huntsville, Alabama.

- 2019 **Alexander, S.**, Newchurch, M., Naeger, A., Klubert, D. (2019, February). *New applications in the use of satellite data monitoring of air quality for population health, exposure risk estimation, and public outreach*. Presented at Transportation, Air Quality, and Health Symposium, Center for Advancing Research in Transportation Emissions, Energy, and Health (CARTEEH) in Austin, Texas.
- 2019 Naeger, A., Newchurch, M., **Alexander, S.**, Berndt, E. (2019, January). *Application of synthetic TEMPO products to investigate air quality impacts on community-level public health*. Presented at HAQAST5, NASA Health and Air Quality Applied Sciences Team Meeting, in Phoenix, Arizona.
- 2019 Newchurch, M., Chance, K., **Alexander, S.**, Naeger, A. (2019, January). *Applying TEMPO and TOLNet to explore air-quality processes affecting health*. Presented at HAQAST5, NASA Health and Air Quality Applied Sciences Team Meeting, in Phoenix, Arizona.
- 2019 Alexander, S., Kaulfus, A., Phillips, C., Nair, U.U. (2019, January). *Utility of a low-cost, dense sensor network for the study of air quality impact upon human health in an urban area*. Presented at the American Meteorological Society Annual Meeting, in Phoenix, Arizona.
- 2015 Kaulfus, A., Nair, U. **Alexander, S.**, Christopher, S., Biazar, A.P. (2015, January). *Combined impacts of urban pollution and wildland fire emissions on human health*. Presented at the American Meteorological Society Annual Meeting, in Phoenix, Arizona.
- 2012 Hoy, H., **Alexander, S.**, Maskey, M. (2012, January). *Making technology work for you*. Presented at the Annual Symposium for the North American Transplant Coordinators Organization, in Miami, Florida.
- 2011 **Alexander, S.**, Hoy, H. (2011, April). *Climbing mountains: DNP students' perspectives on the pursuit of a terminal degree*. Presented at the National Organization of Nurse Practitioner Faculty 37th Annual Meeting, Albuquerque, New Mexico.
- 2009 **Alexander, S.** (2009, October). *Applying health information technology systems in a diabetes self-management training program*. Presented to the American Medical Group Association, Diabetes Best Practice Symposium, in Detroit, Michigan.
- 2009 **Alexander, S.** (2009, January). *The role of change agent in an organization: keys to success*. Presented to the National Association of Transplant Coordinators Annual Conference, Fort Lauderdale, Florida.

International

- 2011 Hoy, H., **Alexander, S.** (2011, December). *Development of a web-based mobile application for use in organ transplantation*. Presented at the 7th Annual International Medical Automation Conference of the Automated Health System, in Dulles, Virginia.

Abstract/Poster Presentations:

Peer-Reviewed/Refereed:

Local

- 2019 Alford, D., **Alexander, S.**, Barr, R. (2019, March). *Optimization of clinical decision support tools for the care of older adults with diabetes mellitus type 2*. Presented to the 5th Annual Research Horizons Poster Session, University of Alabama in Huntsville
- 2018 Derbes, A., **Alexander, S.** (2018, September). *Health outcomes from aggregate particulate matter*. Presented to the Honors Capstone Research Summer Program, 2018, University of Alabama in Huntsville.
- 2012 Hale, E., **Alexander, S.**, Hennigan, M.A., & Frith, K.H. (2012, September). *The effects of GLP-1 agonists on the C-peptide levels of patients with Type 2 diabetes*. Presented for the Summer Research and Creative Experience for Undergraduates, University of Alabama in Huntsville, Department of Chemistry.
- 2010 Mcabee, J., Frasier, D., Burt, K., **Alexander, S.**, Anderson, F., Graham, S., Schultz, M., & Wilson, J.A. (2010, November). *The effects of implementing the Synergy Model on nurses' knowledge, acceptance, and application of professional nursing practice*. Presented to the Sigma Theta Tau Beta Phi Chapter Annual Research Day, University of Alabama in Huntsville, College of Nursing.
- 2010 Mcabee, J., Frasier, D., Burt, K., **Alexander, S.**, Anderson, F., Graham, S., Schultz, M., & Wilson, J.A. (2010, September). *The effects of implementing the Synergy Model on nurses' knowledge, acceptance, and application of professional nursing practice*. Presented to the Annual Magnet Research Day, University of Alabama at Birmingham Medical Center.

National

- 2018 Riordan, J., **Alexander, S.**, Montgomery, I. (2018, June). *Use of mobile technology to increase physical activity in female veterans and soldiers*. American Association of Nurse Practitioners, Denver, Colorado.
- 2018 Alford, D., **Alexander, S.**, Barr, R.T. (2018, May). *Optimization of clinical decision support systems in Type 2 diabetes*. American Nurses Informatics Association, Orlando, Florida.
- 2017 Hoy, H., **Alexander, S.** (2017, April). *How do acute care nurse practitioner DNP students differ from non-nurse practitioner DNP student?* 1st Annual National Conference for Nurse Practitioners in Acute Care, Miami, Florida.
- 2010 McAbee, J., **Alexander, S.**, Cretul, J. (2010, March). *Multilevel implementation of the Synergy Model in a STICU*. National Association of Clinical Nurse Specialists Annual Meeting, Portland, Oregon.

International

- 2022 Kuang, S., Newchurch, M., Tucker, P., McKinney, T., Lee, B., **Alexander, S.**, Calamaio, C. (2022, July). *Huntsville mobile RO₃QET launch*. Presented to the 30th International Las Conference in Big Sky, Montana.
- 2021 Carrion, D., **Alexander, S.**, Naeger, A., Newchurch, M., Chance, K., Just, A.C. (2021, August). *High spatiotemporal resolution estimates of air pollution from TEMPO: meteorological opportunities and challenges for environmental epidemiology studies*. Presented to the International Society of Environmental Epidemiologists 33rd Annual Conference in New York, New York.
- 2018 Newchurch, M., Kuang, S., Wang, B., **Alexander, S.**, Naeger, A., Lefer, B., ...Chance, K. (2018, December). *Integrating Ground-based in-situ and ozone lidar network measurements with future geostationary satellite observations to maximizing data utility and societal benefits*. Presented to the American Geophysical Union Fall Meeting 2018 in Washington, DC.
- 2017 Sullivan, V., Hays, M.P., **Alexander, S.** (2017, May). *Reducing hospital readmissions in patients with Type II diabetes*. Presented to the American Association of Clinical Endocrinologists, 26th Annual Scientific Sessions in Austin, Texas.
- 2016 **Alexander, S.**, & Fulton, J. (2016, August). *Practical tips for getting DNP manuscripts*

published. Presented to the International Academy of Nursing Editors Annual Conference in London, G.B.

2016

Revell, C., **Alexander, S.**, Talley, B., Mobley, S. (2016, May). *Using the Health Belief Model for patients with Type II diabetes: a provider education tool for advanced practice nurses.* Presented to the American Association of Clinical Endocrinologists 25th Annual Scientific & Clinical Congress in Orlando, Florida.

State

- 2015 Reynolds, M., **Alexander, S.** (2015, May). *An evidence-based intervention to improve awareness of patient health literacy in pre-licensure nursing students.* Presented for the UA Systems Scholars Institute, University of Alabama at Birmingham.
- 2009 **Alexander, S.** (2009, April). *Application of customized health information technology in a diabetes self-management training program.* Presented for the 1st Annual DNP Intensive, University of Alabama at Birmingham.

Invited:*National:*

- Carrion, D., **Alexander, S.**, Naeger, A., Newchurch, M., Chance, K., Just, A.C. (2020, August). *High spatiotemporal resolution estimates of air pollution from TEMPO: meteorological opportunities and challenges for environmental epidemiology studies.* Presented to the TEMPO Science Team Meeting. Held virtually due to COVID-19 travel restrictions.

Contracts and Grants Submitted:

- 2021 **Alexander, S. (PI)**, Frith, K.H. Improving Big data and Artificial Intelligence in COVID-19 and Beyond through Interface Ontology Applications: Human Intelligence is the Secret Ingredient. Submitted January 22, 2021, to Distinguished Speaker Series, University of Alabama in Huntsville, Academic Affairs. (\$500.00). Funded.
- 2020 Newchurch, M., Naeger, A., **Alexander, S. (Co-I)**. TROPOMI NO₂ Measurements Quantify Efficacy of Constraining Human Activity to Reduce COVID-19 Impacts. Submitted April 15, 2020, to FastGRANTS. (\$199,724). Unfunded.
- 2020 Newchurch, M., Naeger, A., **Alexander, S. (Co-I)**. TROPOMI NO₂ Measurements Quantify Efficacy of Constraining Human Activity to Reduce COVID-19 Impacts. Submitted April 10, 2020, to NASA HQ, Science Mission Directorate, Earth Science Division, NASA Research Announcement, ROSES-A28-NNH2OZDA001N-RRNES. (\$199,986). Unfunded.
- 2020 Morgan, T.C., **Alexander, S. (Co-I)**. Ensuring Quality Outcomes in Primary Care: A Targeted Educational Program for Family Nurse Practitioner Students. Submitted March 17, 2020, to the American Association of Nurse Practitioners, (\$5,000). Unfunded.

- 2019 Nair, U., Fall, S., Foster, S., Kimball, S., Menon, V., (**Alexander, S.-Consultant**). Bridging Critical Gaps in Environmental Prediction through Harnessing of the Data Revolution. Submitted January 24, 2020, to National Science Foundation, proposal #NSF 20-504. (\$3,999,537.00). Unfunded.
- 2019 **Alexander, S. (PI)**, Newchurch, M., Naeger, A. New Applications in the Use of Satellite Data Monitoring for Population Health. Submitted April 9, 2019, to NASA ROSES E.2 Technical Workshops, Conference, Symposia. Proposal #19-TWSC19-0001. (\$35,000). Funded.
- 2019 **Alexander, S. (PI)**, Newchurch, M. New Application in Use of Satellite Data Monitoring for Population Health, Exposure Risk Estimation and Public Outreach. Submitted August 12, 2018, to National Institutes of Health/National Institute of Environmental Health Sciences. \$4,000. (Funded).
- 2018 **Alexander, S. (PI)**. Nurse Faculty Loan Program. Submitted to the U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Workforce, Division of Nursing and Public Health. HRSA-19-004, Submitted November 21, 2018, (\$104,944). Funded.
- 2018 **Alexander, S. (PI)**, Derbes, A. Hospital Readmissions Reduction Program. Submitted April 10, 2019, to the Honors Capstone Research Project, Honors College, University of Alabama in Huntsville, \$3,200.00 (Funded.)
- 2018 **Alexander, S. (PI)**. Use of a Cloud Platform to Support Multidisciplinary Environmental Health Research. Submitted June 15, 2018, to GCP Research Credits Program. \$15,533. (Funded)
- 2018 **Alexander, S. (PI)**, Newchurch, M. A Cloud Computing Platform as Information Technology Infrastructure in Multidisciplinary Environmental Health Research. Submitted January 6, 2018, to Research Infrastructure Funding Program, UAH Office of the Vice President for Research. \$31,676.00. (Funded).
- 2017 Biazar, A.P., Hain, C., Khan, M., Zhao, S., McNider, R., Adelman, Z., **Alexander, S. (Co-I)**, Avise, J., Dornblaser, B., Koshak, W., Pleim, J., Zavodsky, B. Use of Remote Sensing Data to Improve Air Quality Decision Support Systems Used to Protect Public Health. Submitted November 18, 2017, to National Aeronautics and Space Administration (17-HAQ17-0054). \$870,753.00. (Funded).
- 2017 Newchurch, M., **Alexander, S. (Co-I)**, Berndt, E., Hu, L., Johnson, M., Luvall, J., Miller, C., Naeger, A., Wang, L., chance, K., da Silva, A., Jones, K. Keating, T., Liu, X., Moore, T., Biazar, A.P., Sun, K., Westenbarger, D., Zavodsky, B., Vaidyanathan, A. Development and Application of Proxy TEMPO Products to Accelerate Use in

- Operational Public Health and Air-Quality Decision Support. Submitted November 18, 2017, to National Aeronautics and Space Administration (17-HAQ17-0054). \$960,980.00. (Unfunded).
- 2017 **Alexander, S. (PI)**, Christopher, S. Combining Multidisciplinary Datasets to Yield New Insights about the Impact of Air Quality upon Health Outcomes in Cardiopulmonary Disease. Submitted September 22, 2017, to LMI Academic Partnerships Program. \$49,999 (Unfunded).
- 2017 **Alexander, S. (PI)**. Nurse Faculty Loan Program. Submitted to the U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Workforce, Division of Nursing and Public Health, HRSA-18-010. \$181,894.00 Submitted November 27, 2017. (Funded).
- 2017 **Alexander, S. (PI)**, Nair, U. An Interdisciplinary Collaboration to Address the Public Health Impact of Air Quality Changes in Alabama. Submitted March 27, 2017 to UAH, Office of Vice President for Research, Individual Investigator Distinguished Research Program. \$48,248.00. (Funded).
- 2017 **Alexander, S. (PI)**, Nair, U., Biazar, A. Integration of Healthcare Datasets and Environmental Monitoring Sensors to Enhance UAH Research Infrastructure. Submitted January 17, 2017 to UAH, Office of Vice President for Research, Research Infrastructure Funding program. \$82,845.00. (Unfunded).
- 2017 Nair, U., Newchurch, M., Biazar, A., Lee, S., **Alexander, S. (Co-I)**. Research and Educational Facility for Atmospheric Gases and Aerosols Measurements. Submitted January 17, 2017, to UAH, Office of Vice President for Research, \$60,000. (Unfunded).
- 2016 **Alexander, S. (PI)**. Nurse Faculty Loan Program. Submitted to the U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Workforce, Division of Nursing and Public Health. HRSA-17-066, November 2, 2016, \$146,790.00 Funded.
- 2015 **Alexander, S. (PI)**. Nurse Faculty Loan Program. Submitted to the U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Workforce, Division of Nursing and Public Health. HRSA-16-065, November 30, 2015, \$110,138.00. Funded.
- 2015 Frith, K.H., Jovanov, E., Milenkovic, A., **Alexander, S. (Co-I)**, Price, J.L. Fall Prevention in Community Dwelling Older Adults. Submitted to the University of Alabama in Huntsville, Office of Vice President for Research. \$5,000. Funded.

- 2015 O'Keefe, L.C. (PI), Hoy, H., Frith, K.H., **Alexander, S. (Co-I)**, Maskey, M., & Adams, M. Mobilizing advanced nursing education for rural and underserved populations. Submitted to U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Workforce, Division of Nursing and Public Health. Advanced Nursing Education Program, HRSA-15-046, February 12, 2015, \$1,010,788. (Unfunded.)
- 2014 CNH-L: Urban air quality from a coupled human environment system perspective. Nair, U. (PI). Biazar, A.P., Christopher, S., Griffin, R., Knight, K., Estes, M., Wu, Y., **Alexander, S.(Co-I)**. Submitted to NSF (proposal #1518522) November 18, 2014. Unfunded. (\$1,799,960).
- 2014 Mining big data to improve human health. **Alexander, S. (PI)**, Nair, Udaysankar, Maskey, M. Hoy, H. University of Alabama in Huntsville, Office of Vice President for Research. Submitted August 8, 2014. Funded (\$5,000).
- 2013 Impact of smoke from wildland fires upon urban population in Houston, Texas. Nair, U., **Alexander, S. (Co-I)**, Keiser, K. U. Department of Land Management. Submitted December 11, 2013. Unfunded. (\$279,268).
- 2013 Creation of a multidisciplinary incubator program to solicit funding through health information technology proposals. **Alexander, S. (PI)**. Hoy, H. Word-Allbritton, A., Ramachandran, R., Maskey, M., Nair, U. University of Alabama in Huntsville, Office of Vice President for Research. Submitted August 2, 2013. Funded (\$5,000).
- 2012 Technology as a medium to effectively and efficiently educate nurses about organ donation and transplantation. Hoy, H., **Alexander, S. (Co-I)**, & Frith, K. Funded by NATCO 5/18/2012. (\$5,838).
- 2012 Summer Research and Creative Experience for the Undergraduate. College of Nursing student Julie McDaniel. **Alexander, S. (PI)**, Frith, K.H. "Effect of Guided Relaxation and Biofeedback on Perceived Test Anxiety and Physiological Indicators of Stress." June, 2012-September, 2012. \$5,000. Funded.
- 2011 Summer Research and Creative Experience for the Undergraduate. College of Nursing student Elizabeth Hale. **Alexander, S. (PI)**, Hale, E., Hennigan, M.A., & Frith, K. H. "The Effects of GLP-1 Agonists on C-peptide Levels of Patients with Type 2 Diabetes." June, 2011-September, 2011. \$3,000 (Stipend awarded to student).
- 2011-2012 UAHuntsville Research Infrastructure Investment Grant Program. Hoy, H., **Alexander, S. (Co-I)**, Maskey, M., & Conover, H. "Development of a Web-Based

Mobile Technology Application for Healthcare Providers in Transplant Care.” May, 2011-April, 2012. \$74,910. Funded.

2011-2012 Junior Distinguished Faculty Research. Hoy, H., **Alexander, S. (Co-I)**, Frith, K. (Mentor). “The Effect of Transplant Education on Nurses’ Attitudes towards Organ Donation and Plans to Work with Transplant Patients.” December, 2011-December, 2012. \$10,138. Funded.

TEACHING:

NUR 610-03: Family Nurse Practitioner I (Post-MSN certificate program)

NUR 734: Advanced Experiential Clinical

NUR 742: Program Evaluation in Nursing

NUR 729: Evidence-Based Practice Design & Translation

NUR 737: Interdisciplinary Leadership and Role Development for Practice Excellence

NUR 740: Advanced Health Policy

NUR 739: Scholarly Practice Project

NUR 738: Scholarly Project Development

NUR 660, NUR 661, NUR 662, NUR 663: Clinical Nurse Specialists: Clinical Track Supervision

NUR 610, NUR 611, NUR 612: Family Nurse Practitioner I, II, III: Course Management and Clinical Track Supervision (Traditional and Post-MSN Tracks)

NUR 602: Scholarly Inquiry for the Advanced Practice Nurse

NUR 605: Advanced Health Assessment

NUR 606: Advanced Pathophysiology

NUR 607: Pharmacology in Advanced Practice

NUR 419: Scholarly Inquiry in Nursing (RN-BSN)

NUR 407: Professional Practice in Nursing: Clinical Course Supervision

NUR 307: Scholarly Inquiry in Nursing (BSN)

SERVICE:

University:

2022	Faculty Excellence Distinguished Awards Selection Committee (Teaching, Research/Creative/Scholarly Achievements)
2021-2022	Chair, RCEU Proposal Review Subcommittee
2020-Present	Faculty Senate
2020-Present	Finance and Resources Faculty Senate Subcommittee (Co-Chair, 2021-2022)
2020	UAH FERPA and Class Recording Working Group
2020	UAH University Research Council
2019	UAH Graduate School Recruitment, Huntsville Hospital Lunch 'n Learn. (2019, March 8).
2018-2019	UAH Dean's Fifth Year Review Committee for Dr. William Wilkerson
2019	Focus Group: Office of Technology Commercialization
2018	UAH Library Placement Committee
2017-2018	Early Promotion to Nursing Program, Adopt-a-School Initiative (March, 2017). Decatur Heritage Christian Academy
2017	UAH OVPR New Faculty Funding Program Review Board
2015-2016	Joint Doctor of Nursing Practice Coordinating Committee Member: UA, UAB, & UAH Curriculum Subcommittee Member
2014-2015	University Graduate Council Member
2014-2015	Graduate Handbook Sub-Committee Member

2014-2015	New Faculty Research Fund Committee Member
2014-2015	Graduate Dean Search Committee Member
2014-2015	DNP Coordinating Committee
2013-2014	Learning Management System Task Force
2013-2014	University Graduate Council Member
2013-2014	University Commencement Committee Member
2013-2014	DNP Coordinating Committee Member
2012-2013	University Graduate Council Member
2012-2013	Chief Information Officer Search Committee Member
2012-2013	University Commencement Committee Member
2011-2013	University Commencement Committee Member

College:

2021	DNP Project Design Task Force, College of Nursing (Chair)
2020-2021	College of Nursing Graduate Curriculum Committee
2020-2021	College of Nursing Strategic Management Committee
2020	College of Nursing, Graduate Admissions and Progression Ad Hoc Committee
2016-2020	College of Nursing Appointment, Promotion, & Tenure Committee
2018-2019	College of Nursing Appointment, Promotion, & Tenure Committee (Secretary)
2016-2018	College of Nursing Faculty Search Committee
2015-2016	College of Nursing Reappointment Committee Member
2015-2016	College of Nursing DNP Admissions Chair Committee

2015-2016	DNP Coordinator
2013-2014	RN-BSN Sub-Curriculum Committee Chair
2013-2014	Doctor of Nursing Practice Task Force Member
2013-2014	MSN Admissions and Progression Committee Chair
2012-2013	RN-BSN Sub-Curriculum Committee Chair
2012-2013	MSN Curriculum Transformation Task Force Chair
2012-2013	Doctor of Nursing Practice Task Force Member
2012-2013	MSN Admissions and Progression Committee Chair
2011-2012	RN-BSN Sub-Curriculum Committee Chair
2011-2012	MSN Curriculum Transformation Task Force Chair
2011-2012	MSN Admissions and Progression Committee Chair
2011-2012	Doctor of Nursing Practice Task Force Member

Professional:

2022	International Student One Health Alliance Journal Advisory Board
2021-Present	Nursing Knowledge Big Data Science Workgroup
2021-Present	HIMSS Nursing Informatics Education & Networking Task Force
2020-2021	HIMSS Nursing Informatics Scope and Standards American Nurses Association Nursing Informatics Scope and Standards of Practice Workgroup
2021	HIMSS End User Product Testing
2021	National Institutes of Health/National Institute of Environmental Health Sciences R13 Review Panel
2021	Promotion and Tenure Committee, External Reviewer, Georgia Southern University

- 2020-Present Decatur Heritage Christian Academy Cyberpatriot XIII, Team Coach
- 2020-2021 HIMSS21 Reviewer: Academic, Professional Development, Workforce Preparation Category
- 2020-2021 International Student One Health Alliance, Program Mentor.
- 2020 *American Journal of Nursing*, Book of the Year, Informatics Category—Judge.
- 2020 Decatur Heritage Christian Academy, College and Career Prep Task Force
- 2020 Greater-Birmingham Alliance to Stop Pollution (GASP) Advisory Council
- 2019-Present Nursing Knowledge: Big Data Science Policy and Advocacy Workgroups
- 2019 UA System Behavioral Health Conference, *Clinical Sessions in Behavioral Health*. Session co-chair (2019, October 28). Birmingham, AL.
- 2019 Promotion and Tenure Committee External Peer Reviewer, University of Southern Maine
- 2019 American Meteorological Society, *New Directions for Satellite Data: Applications in Health, Air Quality, Environmental Management, and Public Outreach*. Session co-chair. (2019, January 8). Phoenix, AZ.
- 2018 International Biomedical Engineering Society Annual Meeting. *Biomedical Engineering Education*. Session co-chair. (2018, October 12).
- 2018 National Science Foundation, Peer Review Panel for Cyber-Physical Systems (Medium), Program Director Sylvia Spengler, Alexander, VA. (2018, July 17-18).
- 2016-2018 North Alabama Health Education Center DSME Chairperson-Advisory Board
- 2017-2017 Alabama Health Action Coalition, Steering Committee
- 2016-Present *CIN Plus*: Editor-in-Chief
- 2016-Present *Policy, Politics, and Nursing Practice* Peer Reviewer
- 2016-Present *Big Data Nurses in Health IT Policy Workgroup* Member
- 2017-2018 Nurse Practitioner Alliance of Alabama, Immediate Past-President

2017-2018 Nurse Practitioner Alliance of Alabama, Executive Board

2015-Present *Applied Clinical Informatics* Peer Reviewer

2015-2017 Business Council of Alabama Healthcare Committee

2015-Present *CNS: The Journal for Advanced Practice Nursing* Nurse Entrepreneur Column Editor

2015-Present *CIN: Computers, Informatics, Nursing*: Editorial Board

2015-Present *Journal of Nurse Practitioners* Peer Reviewer

2015-Present *Clinical Nursing Research* Peer Reviewer

2015-2017 State of Alabama Governor's Task Force on Improving Health Care in Alabama

2015-2017 Alabama Board of Nursing Advisory Council for Advanced Practice Nurses

2014-Present Center for Aging Huntsville, Alabama Scientific Advisory Board Member

2014 Promotion and Tenure Committee External Peer Reviewer Duke University School of Nursing

2014-Present *CIN: Computers, Informatics, Nursing* Peer Reviewer

2014-2017 Alabama Board of Medical Examiners NP Advisory Committee Member

2014-2018 Alliance of International Nurses for Improved Health Literacy Steering Committee Charter Member

2013-2017 Nurse Practitioner Alliance of Alabama President

2013-2018 Nurse Practitioner Alliance of Alabama Steering Committee

2013 Nurse Practitioner Alliance of Alabama By-laws Committee

2012-2013 Health Resource and Services Administration Registered Grant Reviewer

2011-2013 American Nurses Credentialing Center Adult Gerontology Clinical Nurse Specialist. Content Expert Registry

2011-Present *Online Journal of Issues in Nursing* Editorial Review Board

2011-2013 Elsevier Health Sciences Test Item Writer. Advanced Practice Nursing Exams

2011 *In Celebration of Nursing: A Symposium for Nurses* Program Planner

- 2010-2016 *Multimedia Educational Resource for Learning & Online Teaching (MERLOT) Health Sciences Peer Reviewer*
- 2010-2012 Sigma Theta Tau International Faculty Counselor—Beta Phi Chapter. Member of International Nurse Leader Review Committee
- 2010 *In Celebration of Nursing: A Symposium for Nurses* Program Planner
- 2010 Alabama Medicaid Agency Health Information Exchange Workgroup Member
- 2009-Present McMaster Online Rating of Evidence (MORE) Sentinel Reader
- 2009 *In Celebration of Nursing: A Symposium for Nurses* Program Planner

Memberships

- Nurse Practitioner Alliance of Alabama
- National Organization of Nurse Practitioner Faculty
- American Association of Nurse Practitioners
- Healthcare Information and Management Systems Society

HONORS AND AWARDS:

- 2022 Alliance of Nursing Informatics Emerging Leaders Award for 2022-2023 Cohort
- 2022 Google Cloud Research Innovators Program Selection
- 2021 *Urologic Nursing Journal* Catherine Ann Lawrence Literary Excellence Award for article “Implementation of an Electronic Health Record Notification System to Improve Long-Term Management of Pessary Devices.”
- 2020 UAH Office of the Provost Faculty Award for Excellence in Research/Creative/Scholarly Achievements.
- 2018 *American Journal of Nursing (AJN)* Book of the Year Award, First Place. *Applied Clinical Informatics for Nurses, 2nd Ed.* Alexander, S., Frith, K.H., & Hoy, H., Eds.
- 2018 Selected as a National League for Nursing Center of Excellence for Promoting the Pedagogical Expertise of Faculty. National League for Nursing Review Panel. 2018-2022

- 2015 Suzanne B. Smith Mentoring Award, International Academy of Nursing Editors
- 2014 Early Career Development Investigator Centers for Excellent P50 Proposal: Environmental Health Disparities Research University of Tennessee-Memphis Health Sciences Center
- 2014 Faculty Scholar Spotlight Award University of Alabama in Huntsville
- 2013 State Award for Excellence American Association of Nurse Practitioners
- 2013 Omicron Delta Kappa University of Alabama in Huntsville
- 2012 Outstanding Nurse Practitioner Regional Award Nurse Practitioner Alliance of Alabama
- 2010 Phi Kappa Phi University of Alabama in Huntsville
- 2009 Dean's List, School of Graduate Studies University of Alabama in Huntsville
- 2003 Outstanding Student Adult Nurse Practitioner Track University of Alabama at Birmingham
- 2001 Honor Scholar for Adult Health CNS Graduate Program University of Alabama in Huntsville