

CURRICULUM VITAE

Keesha Lenee Roach PhD, RN

874 Union Avenue, Suite 407, Memphis, TN 38163 (work)

Cell phone: (312) 952-1317 Work phone: 901-448-6131

Personal email: Dr.KPROach@gmail.com Work email: kroach10@uthsc.edu

LinkedIn: [linkedin.com/in/keesha-roach-phd-rn-48085976/](https://www.linkedin.com/in/keesha-roach-phd-rn-48085976/) Twitter: @DrPowellRoach

ORCID <https://orcid.org/0000-0001-8117-3445>

EDUCATION:

Howard University (8/1983-5/1985)

University of Maryland College Park (5/1987–12/1989), BS, Dec 22, 1989

Loyola University Chicago (8/1999-12/2000), ABSN, Jan 13, 2001

DePaul University (5/2002 – 5/2007), MS, May 15, 2007

University of Illinois at Chicago (8/2015-5/2018), PhD, May 13, 2018

University of Florida (5/2018 – 6/2020), Postdoctoral Fellowship

HONORS AND AWARDS

Professional:

Faculty ACCESS Program, 2023-2025

International Association for the Study of Pain – Recognition for pain research in sickle cell disease, 2023

UTHSC Center for sickle Cell Disease – Recognition for Black History Month, 2023

Faculty new to Teaching, 2022-2023

Early Career Reviewer Program: NIH Study Section - Molecular and Cellular Neuropharmacology (MCNP), 2022

METER May Day Award, 2019

Florida-California Cancer Research, Education and Engagement (CaRE2), 2019

PRICE Travel Award, 2019

American Pain Society Young Scientist Travel Award, 2019

Sigma Theta Tau Nursing Honor Society, 2019

University of Florida Leadership in Action, 2018

Educational:

Programs to Increase Diversity Among Individuals Engaged in Health-Related Research – Functional and Translational Genomics of Blood Disorders, 2020-2022

University of Washington Summer Institute in Statistical Genetics, 2018

Robert Wood Johnson Future of Nursing Scholar, 2015-2018

National Institutes of Health Summer Genetics Institute, 2016

Nominated: MNRS Dissertation Award, 2018

PRICE Travel Award, 2018

Dean's PhD Student Award, 2017

American Pain Society Young Scientist Travel Award, 2016

George H. Miller Fund Health Science Research (HSSR) Award, 2016

Dean's PhD Student Award, 2015-2018

PROFESSIONAL DEVELOPMENT:

UTHSC Learning Center: Medallion Program October 2022-present
National Research Mentoring Network, October 2022- May 2023
National Center for Faculty Development & Diversity, October 2021 – May2022
Faculty New to Teaching, University of Florida, Gainesville, September 2020 – May 2021

LICENSURE:

Registered Nurse
State of Arkansas License # 217548, August 2021-March 2024
State of Florida, License # RN 9489815, May 2018-March 2024
State of Illinois, License # 041-323897, March 2001-August 2022

SOCIETY MEMBERSHIPS AND ACTIVITIES:

Delta Sigma Theta Sorority Incorporated. (Membership #271655)
Physical and Mental Health Chair, 2007-2009
Physical and Mental Health Chair, 2018-2020
Physical and Mental Health, 2021-2022
Delta Research and Education Foundation – NIH All of Us Researcher Workbench,
2023-present
Member, 2007-present
American Pain Society
Nursing Special Interest Group, Chair, 2019
Nursing Special Interest Group, Co-chair, 2018
Member, 2016-2019
International Association for the Study of Pain (Membership #82510)
2022 Global Year Task Force, 2021- 2022
Member 2016-present
American Society of Hematology (Membership #1436778)
Member, 2016-present
Have a Heart for Sickle Cell Anemia Foundation, Board Member, 2017-2019
Member, 2017-2020
Sigma Theta Tau International (Membership #2035677)
Member, 2019-present
International Association for Sickle Cell Nurses and Professional Associates
Sickle cell bootcamp committee – 2022-2023
Board Member - Membership Chair, 2023
Member 2018-Present
Southern Nurses Research Society (Membership #33910)
Panel discussant, SNRS Annual Conference 2023, Orlando, FL
Member, 2018-present
Tennessee Foundation for Sickle Cell Disease
Sickle Cell Scholarship Committee, 2021-2022
Member, 2021-present

International Society of Nurses in Genetics (Membership #48176456)

Member, 2019-present

National Black Nurses Association (Membership #13152)

Member, 2019-present

US Association for the Study of Pain

Panel Discussant, USASP Annual Scientific Meeting, 2023

Education and Professional Development Committee 2021-2023

Leadership Academy 2023-2025

Member, 2020-present

Council for the Advancement of Nursing Science (Membership #22225)

Panel Discussant – Demystifying the Grant Review Process, 2023

Member, 2022-present

Gerontological Society of America (Membership#1178740)

Panel Discussant, GSA Annual scientific Meeting, 2020

Member, 2018-2021

UNIVERSITY (AND COLLEGE) APPOINTMENTS:

Research Assistant Professor, University of Florida, College of Nursing, Gainesville, FL

July 2020 – December 2020

Assistant Professor, University of Florida, College of Nursing, Gainesville, FL

January 2021 – August 2021

Assistant Professor, University of Tennessee Health Science Center, College of Nursing

Department of Community and Population Health, Memphis, TN

January 2022-present

Department of Health Promotion and Disease Prevention, Memphis, TN

August 2021-December 2021

Assistant Professor (Joint Appointment), University of Tennessee Health Science Center,

College of Medicine, Department of Genetics, Genomics and Informatics, Memphis, TN

June 2022-present

Adjunct Faculty, Oakton Community College, School of Nursing, Skokie IL

June 2009-August 2009

HOSPITAL/CLINICAL APPOINTMENTS:

Registered Nurse

University of Chicago Hospitals, Chicago, IL

March 2001 – May 2003

Professional Nursing Incorporated, Chicago, IL

July 2006 – December 2013

Advocate Healthcare, Oak Brook, IL

January 2010-November 2019

PROFESSIONAL EXPERIENCE:

Safety Review Specialist, Delta Pharma, Deerfield, IL

June 2008- January 2010

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RESEARCH EXPERIENCE:

Research Assistant, Pain Research and Intervention Center of Excellence (PRICE),
University of Florida, Gainesville, FL

May 2018 – June 2020

Study Coordinator, North Central Florida Sickle Cell Registry, University of Florida,
Gainesville, FL

June 2017 – July 2021

Research Program Director/Coordinator, Center for Palliative Care Research and Education,
University of Florida, Gainesville, FL

June 2017 – May 2018

Project Manager, Internet-based vulvodynia pain study, University of Illinois at Chicago,
College of Nursing, Chicago, IL

September 2016-May 2017

Graduate Research Assistant, University of Illinois at Chicago, College of Nursing, Chicago,
IL

January 2016-May 2017

Research Assistant, University of Chicago Hospitals, Chicago, IL

January 2022-December 2022

Scientist I, Sequana Therapeutics, Inc, San Diego, CA

June 1996-December 1997

Research Assistant, The Pasteur Institute, Lille and Paris, France

March 1994-March 1996

Research Coordinator, Howard Hughes Medical Institute, University of Chicago, Chicago, IL

March 1990- March 1994

Research Assistant, National Institutes of Health, Bethesda, MD

May 1987-December 1989

TEACHING EXPERIENCE:

Undergraduate, University of Tennessee Health Science Center

NSG 451 Social, Environmental, and Genomic Determinants of Health

Faculty – Summer 2022

Faculty – Summer 2023

Graduate, University of Tennessee Health Science Center

Guest Lecture:

NSG 919 Nursing Science Seminar

Specific Aims Deconstructed: Understanding the role of AVPR1a in the pain experience
in sickle cell disease. -Nov 21, 2022

Graduate, University of Florida

Clinical Neurobiology of Aging

Teaching Assistant – Spring 2019

Teaching Assistant – Spring 2020

Advanced Pathophysiology

Faculty – Fall 2020
Faculty – Spring 2021

Guest Lecture:

BMS 6003 Genetics and Health (College of Medicine)
Sickle Cell disease: A Conversation - August 10, 2021

Graduate, University of Illinois at Chicago

Pathophysiology

Graduate Assistant – Spring 2016

Graduate Assistant – Fall 2016

Graduate Assistant – Spring 2017

COMMITTEES AND OFFICES HELD:

University of Tennessee Health Science Center

UTHSC Safety Committee 2022-present

Center for Community and Global Partnerships 2022-present

Center for Sickle Cell Disease at UTHSC 2022-present

INVITED LECTURES:

International (Invited Presentations and Posters)

1. **Powell-Roach, K. L.**, (November 2022). “Translating pain knowledge of rare diseases and understudied ethnic groups: Sickle cell anemia”. International Association for the Study of Pain (IASP): 2022 Global Year for Translating Pain Knowledge to Practice. Expert Lecture Oral Presentation (Virtual).
2. Dungan, J. R., **Powell-Roach, K.**, & Booker, S. (November 13, 2020). A Nod to Nightingale: Addressing health disparities through responsible biomarker approaches. Invited Expert Lecture for the 2020 ISONG Congress: "Genomic Nursing: Fulfilling Nightingale's Legacy of Care", Virtual International Conference.

National (Invited Presentations and Posters)

1. **Powell-Roach, K. L.**, (March 2023). “*All of Us – Researcher Workbench Demonstration*”. The Delta Research and Educational Foundation (DREF), in collaboration with the NIH *All of Us* program (Virtual).
2. **Powell-Roach, K. L.**, (March 2023). *Nurses Leading the Way in Translating Pain Science in Sickle Cell Disease*. Foundation for Sickle Cell Disease Research Nursing Symposium (Virtual).
3. **Powell-Roach, K. L.**, (March 2023). Demystifying the Grant Review Process. Council for the Advancement of Nursing Science (Virtual).
4. **Powell-Roach, K.L.**, Booker, S., Dungan, J.R. (Nov 9, 2021). Accelerating precision nursing beyond race. Collaborative Health Researchers Interdisciplinary Seminar Series (CHRIS). University of Missouri. Expert Lecture oral presentation (Virtual).

5. **Powell-Roach, K.L.** (Jun 11, 2022). A Brief Snapshot of Sickle Cell Disease. Pop-Up Clinic. Delta Sigma Theta Sorority Inc. and All of Us. (Virtual).
6. **Powell-Roach, K.** (June 17, 2020). Stress and Pain in Younger and Older Adults who have Sickle Cell Disease. Translational Research Institute on Pain in Later Life. Weill Cornell Medical College. Division of Geriatric and Palliative Medicine. New York, NY.
7. **Roach, K.**, Booker S, Janevic, M., Terry, E., Taylor, J. (November 13, 2019). Psychological and Cultural Pain Experiences and Self-Management Across Diverse Older Adult Populations. Gerontological Society of America. Symposia discussant. Austin, TX.

Local/Regional (Invited Presentations and Posters)

1. **Powell-Roach, K.L.** (Nov 5, 2021). Pain Genetics in sickle cell disease. Genetics, Genomics, and Informatics Virtual Seminar at the University of Tennessee Health Science Center. Expert Lecture oral presentation (Virtual).
2. **Powell-Roach, K.L.**, Booker, S., Dungan, J.R. (Nov 9, 2021). Accelerating precision nursing beyond race. Collaborative Health Researchers Interdisciplinary Seminar Series (CHRIS). University of Missouri. Expert Lecture oral presentation (Virtual).
3. **Powell-Roach, K.** (Sept 22, 2020). Next generation of sickle cell disease research: genetic & biopsychosocial contributions to pain. Center for Sickle Cell disease at University of Tennessee Health Science Center, Memphis, TN.
4. **Powell-Roach, K.L.**, Booker, S., Dungan, J.R. (Feb 19, 2021). Moving beyond race in precision nursing. Rita Kobb National Informatics Symposium. Expert Lecture oral presentation (Virtual).
5. **Powell-Roach, K.** (March 10, 2020). Evidence of biopsychosocial Factors in Sickle Cell Disease Pain. Lunch and Learn. Division of Palliative Care. College of Medicine. University of Florida. Gainesville, FL.
6. Booker, S., & **Roach, K.** (December 4, 2019). Community presentation: *Osteoarthritis and pain management*. Pine Grove Senior Apartments. Gainesville, FL
7. **Roach, K.**, Smith, V., Jean, S., Gordon, D., Marshall, T. (June 12, 2019). Summer Health Professions Education Program presentation. presentation. University of Florida, Gainesville, FL.
8. **Roach, K.**, Booker, S., Lopez, J., Belony, P. (May 18, 2018). Summer Health Professions Education Program presentation. University of Florida, Gainesville, FL. (Speaker Panel)

RESIDENTS/FELLOWS/GRADUATE STUDENTS TRAINED:

PhD Dissertation Committees

University of Tennessee Health Science Center, College of Graduate Health Sciences, Health Outcomes and Policy Research

Role Dissertation Title

Student Graduation Date

Member The Association Between Hidden Learning Disabilities and the Use of Institutional Resources for African American Graduate Students

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Tentative 2025

Student Mentoring (in addition to above – selected examples)

BSN Student Adrianna Ellise Philippe, Undergraduate student, research, abstract writing and submission and peer reviewed

RESEARCH AND OTHER EXTERNAL SUPPORT

Current grant funding

1. **Roach, K.L.** (principal investigator), Wilkie, D. J., (primary mentor), Wallace, M., (co-mentor), Cruz-Almeida, Y., (co-mentor), *The Association of an AVPR1A SNP with Pain and Psychosocial Variables*, Loan Repayment Program, NIH-NHLBI: 7/1/2021 – 6/30/2023, \$100,000
2. Wilkie, D. J. (MPI, contact), Yao, Y. (MPI), Kalyanaraman, S. (MPI), Gallo, A. (Co-I), Ezenwa, M.O. (Co-I), & Black, L. A. (Co-I), **Roach, K.** (Co-I), Dyal, B. (Co-I), & DeBaun, M. (Consultant) CHOICES for Sickle Cell Reproductive Health: RCT of a Preconception Intervention Model for a Single Gene Disorder, R01HG011927-01, NIH-NHGRI, submitted 10/17/2020. Awarded 8/17/2021. 09/01/2021 – 6/1/2025, \$3,049,950
3. **Roach, K.L.** (principal investigator), Wilkie, D. J., (primary mentor), Wallace, M., (co-mentor), Cruz-Almeida, Y., (co-mentor), Carpten, J., (advisor), Chamala, S., (advisor), Yao, Y., (advisor), Mandernach, M., (advisor). *Contribution of Biopsychosocial factors in Sickle Cell Disease Pain*, 1K01HL153210-01, NIH-NHLBI, submitted 10/2019 requested. Awarded 7/15/2020. 7/15/2020 – 6/30/2024, \$537,367

Grant submissions

1. Jenerette, C. (contact MPI), Wilkie, D.J. (MPI), Yao, Y., Murillo, C., Kittleson, S., Little, J., Andemariam, B., Nelson, G., Ogu, O, **Roach, K.**, & Bailey, L. Health Equity Lives in Palliative Care for Sickle Cell Disease (HELP-4-SCD). UG3/UH3. Submitted to NIH 10/2022, \$264,319. (JIT requested)
2. **Roach, K.L.** (principal investigator), Wilkie, D. J., (primary mentor), Wallace, M., (co-mentor), Cruz-Almeida, Y., (co-mentor), *The Association of an AVPR1A SNP with Pain and Psychosocial Variables*, Loan Repayment Program, NIH-NHLBI: 7/1/2023 – 6/30/2025, \$100,000
3. Cowan, R. L. (contact MPI), Monroe, Todd (MPI), **Roach, K.** & Chiu, C. Pain Phenotypes and Genetic Risk for Alzheimer’s Disease. Submitted to NIH 7/9/2022. \$3,151,021.00. Not Funded
4. Jenerette, C. (contact MPI), Wilkie, D.J. (MPI), Yao, Y., Murillo, C., Kittleson, S., Little, J., Andemariam, B., Nelson, G., Ogu, O, **Roach, K.**, & Bailey, L. Health Equity Lives in Palliative Care for Sickle Cell Disease (HELP-4-SCD). Submitted to NIH 12/9/2021, \$6,800,378.00. Not Funded

Completed grants/funding

1. **Roach, K.L.** (principal investigator), Understanding the role of AVPR1A in pain experienced in sickle cell disease. Submitted 11/30/2020 to the National Institutes of

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- Health, National Heart Lung and Blood Institute. NIH-NHLBI: 02/12/2021 – 02/12/2022, \$14,000
2. **Roach, K.L.** (principal investigator), Wilkie, D. J., (primary mentor), Fillingim, R.B., (co-mentor), Cruz-Almeida, Y., *The Association of an AVPR1A SNP with Pain and Psychosocial Variables*, Loan Repayment Program, NIH-NHLBI: 8/21/2019 – 6/30/2021, \$70,000
 3. **Roach, K.L.** (principal investigator), Wilkie, D. J., (primary mentor), Fillingim, R.B., (co-mentor), Cruz-Almeida, Y., *Exploring let-7, Opioids, and Quality of life in Sickle Cell Disease Younger and Older Adults*, NIA-Center for Advancing Minority Pain and Aging Science (CAMPAS): 4/15/2019 – 4/15/2020, \$25,000
 4. Fillingim, R.B., (principal investigator). *Integrative and Multidisciplinary Pain and Aging Research Training*, T32 AG049673-04 (NIA): **Roach, K.L.**, Postdoctoral Fellow, 5/16/2018 – 6/30/2020 \$96,288
 5. **Roach, K.L.** (principal investigator), Wilkie, D. J., (primary mentor), Fillingim, R.B., (co-mentor), Cruz-Almeida, Y., American Pain Society METER (MEasurement Tool Evaluation Resource): 11/1/2018 – 06/2019, \$3,000
 6. **Roach, K.L.** (principal investigator), Wilkie D.J. ((Wilkie, Molokie, Wang; MPIs), *Phenotypic Characterization of Chronic Pain in Adults with Sickle Cell Disease*. 1R01HL124945S1 (NHLBI), 05/15/2015 – 05/15/2018, \$65,700 (plus tuition and expenses)
 7. Scott, L., (principal investigator), **Roach, K.L.** – award. Robert Wood Johnson Foundation, Future of Nursing Scholar, 08/15/2015 – 05/10/2018, \$75,000

PEER REVIEWED SCIENTIFIC PUBLICATIONS

1. **Powell-Roach, K. L.**, Yao, Y., Cao, X., Chamala, S., Wallace, M. R., Cruz-Almeida, Y., Molokie, R. E., Wang, Z. J., and Wilkie, D. J. (2023). Analysis of AVPR1A, thermal and pressure pain thresholds, and stress in sickle cell disease. *Frontiers in Pain Research*. Doi: 10.3389/fpain.2022.1060245. Epub 2023 Jan 4.
2. Bailey, L., **Roach, K.**, Ogu, U.O, Desai, P., Little, J., Kittelson, S., Ataga, K. I., Wilkie, D, J., Jenerette, C. (2022). Palliative Care May Reduce Pain Disparities in Sickle Cell Disease. *American Nurse*.
3. Spencer, E. C., Neikirk, K., Campbell, S. L., **Powell-Roach, K. L.**, Morton, D., Shuler, H., Murray, S.A., Hinton, A. J. (2022). Intentional and Unintentional Benefits of Minority Writing Accountability Groups. *Trends in Microbiology*, 2022 Nov;30(11):1015-1018. doi: 10.1016/j.tim.2022.08.005. Epub 2022 Aug 24. PMID: 36030147; PMCID: PMC9561073.
4. Marshall, A. G., Palavicino-Maggio, C. B., Neikirk, K., Vue, Z., Beasley, H. K., Garza-Lopez, E., Murray, S., Martinez, D., Crabtree, A., Conley, Z. C., Vang, L., Davis, J. S., **Powell-Roach, K. L.**, Campbell, S., Dal, A. B., Shao, B., Alexander, S., Vang, N., Vue, N., Vue, M., Shuler, H., Spencer, E. C., Morton, D., Hinton, A. (2022). Using champion-oriented mindset to overcome the challenges of graduate school: impact of workshop for

- graduate school skills on underrepresented minority retention. *Pathogens and disease*, 80(1), ftac024. <https://doi.org/10.1093/femspd/ftac024>
5. Marshall , A., Vue, Z., Palavicino-Maggio, C., Neikirk, K., Beasley, H. K., Garza Lopez, E., Murray, S., Crabtree, A., Conley, Z. C., Vang, L., Davis, J. S., **Powell-Roach, K. L.**, Martinez , D., Campbell, S., Brady, L., Dal, A. B., Shao, B., Alexander, S., Vang, N., Vue, N., Vue, M., Shuler, H., Spencer, E. C., Morton, D., Hinton, A. (July 2022). An effective workshop on "How to be an Effective Mentor for Underrepresented STEM Trainees". *Pathogens and disease*, 80(1), ftac022. <https://doi.org/10.1093/femspd/ftac022>
 6. Marshall, A., Vue, Z., Palavicino-Maggio, C., Neikirk, K., Beasley, H. K., Garza Lopez, E., Murray, S., Martinez, D., Crabtree, A., Conley, Z. C., Vang, L., Davis, J. S., **Powell-Roach, K. L.**, Campbell, S., Brandy, L., Dal, A. B., Shao, B., Alexander, S., Vang, N., Vue, N., Vue, M., Shuler, H., and Spencer, E., Morton, D., Hinton, A. (2022). The role of mentoring in promoting diversity equity and inclusion in STEM Education and Research. *Pathogens and disease*, 80(1), ftac019. <https://doi.org/10.1093/femspd/ftac019>
 7. **Powell-Roach KL**, Yao Y, Wallace MR, et al. HUMAN STUDY *COMT* and *DRD3* haplotype-associated pain intensity and acute care utilization in adult sickle cell disease [published online ahead of print, 2022 Mar 12]. *Exp Biol Med (Maywood)*. 2022;15353702221080716. doi:10.1177/15353702221080716 ***Featured article in Experimental Biology and Medicine**
 8. Behar-Horenstein LS, **Powell-Roach K**, Booker S, Maduka M, Gordon D, Jacobs K, Lyon, D. (2020). Intersection of COVID-19, Cancer, and Racial Health Disparities. *Cancer Health Disparities Journal*.
 9. **Powell-Roach, K. L.**, Diatchenko, D., Jorns, T. P., Genetic biomarkers contributing to pain states. (2022). *Health Care Provider. isap-pain.org*
 10. Dyal, B. W., Uscanga, Z. L., Uscanga, Z., Johnson-Mallard, V., Schmit, S., Hoehn, A., Liao, Y., Baily, Z. D., Gwede, C., Brownstein, N., **Powell-Roach, K. L.**, Krieger, J. L., Kobetz, E., Vadaparampil, S., Wilkie, D. J., & Odedina, F. G. Developing the Florida Academic Cancer Center Alliance Health Disparities Common Measure: The Florida Health and Ancestry Survey. *Cancer Control*. 2022 Jan-Dec;29:10732748221110897. doi: 10.1177/10732748221110897. PMID: 35758601; PMCID: PMC9244925.
 11. Patel, M., Johnson, A., Booker, S. Q., Bartley, E. J., Palit, S., **Powell-Roach, K.L**, Terry, E., Dottington, Fullwood, D., DeMonte, L., Mickle, A., Sibille, K. T. (2022). Applying the NIH Disparities Research Framework to Identify Needs and Opportunities in Chronic Musculoskeletal Pain Research. *The Journal of Pain* 23(1), 25-44.
 12. Booker, S.Q., Bartley, E.J., **Powell-Roach, K.**, Palit, S., Morais, C., Thompson, O.J., Cruz-Almeida, Y., & Fillingim, R.B. (2021). The imperative for racial equality in pain science: A way forward. *Journal of Pain*. PMID: 34214701
 13. Fullwood, D., Gomez, R. N., Huo, Z., Cardoso, J. S., Bartley, E. J., Booker, S. Q., **Powell-Roach, K. L.**, Johnson, A. J., Sibille, K. T., Addison, A. S., Goodin, B. R., Staud, R., Redden, D. T., Fillingim, R. B., & Terry, E. L. (2021). A mediation appraisal of catastrophizing, pain-related outcomes, and race in adults with knee osteoarthritis. *The Journal of Pain*, 22(11), 1452-1466.
 14. Johnson, A. J., Sibille, K. T., Cardoso, J., Terry, E., **Powell-Roach, K. L.**, Goodin, B. R., Staud, R., Redden, D., Fillingim, R. B., Booker, S. Q. (2021). Patterns and correlates of self-management strategies for osteoarthritis related

- pain among older non-Hispanic Black and non-Hispanic White adults, *Arthritis Care & Research*, <https://doi.org/10.1002/acr.24396> PMID: 32741127.
15. Johnson, A., Vasilopoulos, T., Booker, S., Cardoso, J., Terry, E.L., **Powell-Roach, K.L.**, Staud, R., Kusko, D.A., Addison, A.S., Redden, D.T., Goodin, B., Fillingim, R.B., Sibille, K.T. (2021). Two-Year knee pain trajectories over 18 months in non-Hispanic Black and non-Hispanic White adults with or at risk for knee osteoarthritis. *BMC Musculoskeletal Disorders*.
 16. Johnson, A., Palit, S., Terry, E., Thompson, O., **Powell-Roach, K.L.**, Dyal, B., Booker, S. (2021). Managing Osteoarthritis Pain with Smart Technology: A Narrative Review. *Rheumatology Advances in Practice*.
 17. Molokie, R.E., Wang, Z.J., Yao, Y., **Powell-Roach, K.**, Schlaeger, J.M., Suarez, M.L., Shuey, D.A., Angulo, V., Carrasco, J., Ezenwa, M.O., Fillingim, R.B., & Wilkie, D.J. (2020). Sensitivities to thermal and mechanical stimuli: Adults with sickle cell disease compared to healthy, pain-free African American controls. *Journal of Pain*. <https://doi.org/10.1016/j.pain.2019.11.002> PMID: 31733363 PMCID:PMC7217752
 18. **Powell-Roach, K. L.**, Dyal, B. W., Robison, J., Campbell, B. A., Yoon, S. L., & Wilkie, D. J. (2021) Sublingual versus Swallowed Morphine: A Comparison. *Cancer Nursing*. PMID: 31895174
 19. Van Cleave, J., Booker, S. Q., **Powell-Roach, K.L.**, Kawi, J., (2020). A Scoping Review of Nursing's Contribution to the Management of Patients with Pain and Opioid Misuse. *Biological Research for Nursing*.
 20. Aroke, E. A., **Powell-Roach, K. L.**, Jaime-Lara, R., Tesfaye, M., Roy, A., Jackson, P., Joseph, P. V. (2020). Taste the pain: The role of TRP channels in pain and taste perception. *International Journal of Molecular Sciences*. <https://doi.org/10.3390/ijms21165929>
 21. Aroke, E. A., **Powell-Roach, K. L.**, (2020) A Systematic Review of the Metabolomics of Chronic Pain. *Biological Research for Nursing*. <https://doi.org/10.1177/1099800420941105> PMID: 32666804.
 22. Schlaeger, J.M., Cain, K. C., Myklebust, E. K., **Powell-Roach, K. L.**, Dyal, B. W., & Wilkie, D. J. (2020). Hospitalized Patients Quantify Verbal Pain Intensity Descriptors: Methodological Issues and Values for 26 Descriptors. *PAIN*. PMID: 31599851
 23. **Powell-Roach, K. L.**, Yao, Y., Ezenwa, M. O., Schlaeger, J. M., Suarez, M. L., Molokie, R. E., Wang, Z. J., & Wilkie, D. J. (2020). Neuropathic Pain Screening: Construct Validity in Patients with Sickle Cell Disease. *Western Journal of Nursing Research*. <https://doi.org/10.1177/0193945919836446>. PMID: 30900520
 24. Suarez, M. L., Schlaeger, J. M., Angulo, V. A., Shuey, D. A., Carrasco, J., **Powell-Roach, K. L.**, Ezenwa, M. O., Yao, Y., Wang, Z. J., Molokie, R. E., & Wilkie, D. J. (2020). Keys to Recruiting and Retaining Seriously Ill African Americans with Sickle Cell Disease in Longitudinal Studies: Respectful Engagement and Persistence. *American Journal of Hospice and Palliative Medicine*. <https://doi.org/10.1177/1049909119868657> PMID: 31394904
 25. **Powell-Roach, K. L.**, Yao, Y., Jhun, E. H., He, Y., Suarez, M. L., Ezenwa, M. O., Molokie, R. E., Wang, Z. J., & Wilkie, D. J. (2019). Vasopressin SNP is Related to Pain Factors and Stress in Sickle Cell Disease. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0224886>
 26. Booker, S., Cardoso, J., Cruz-Almeida, Y., Sibille, K.T., Terry, E.L., **Powell-Roach, K. L.**, Riley, J.L., Goodin, B.R., Bartley, E.J., Addison, A.S., Staud, R., Redden, D., ..

- Bradley, L., & Fillingim, R. (2019). Movement-Evoked Pain, Physical Function, and Perceived Stress: An Observational Study of Ethnic/Racial Differences in Aging non-Hispanic Blacks and non-Hispanic Whites with Knee Osteoarthritis. *Experimental Gerontology*, 124, 110622. <https://doi.org/10.1016/j.exger.2019.05.011> PMID: 31154005 PMCID: PMC6660381
27. **Powell-Roach, K. L.**, Yao, Y., Rutherford J. N., Schlaeger, J. M., Patil, C., Suarez, ML, Angulo, V., Shuey, D., Carrasco, J., Ezenwa, M. O., Fillingim, R. B., Wang, Z. J., Molokie, R. E., & Wilkie, D. J. (2019). Thermal and Mechanical quantitative sensory testing values among healthy African American adults. *Journal of Pain Research*. <https://doi.org/10.2147/JPR.S211855> . PMID: 31496792 PMCID: PMC6693422
 28. Schlaeger, J.M., Pauls, H.A., **Powell-Roach, K. L.**, Thornton, P.D., Hartmann, D., Suarez, M.L., Kobak, W.H., Hughes, T.L., Steffen, A.D., & Patil, C.L. (2019). Vulvodynia, "A Really Great Torturer": Mixed Methods Pilot Study Examining Pain Experiences and Drug Mixed Methods Pilot Study Examining Pain Experiences and Drug/Non-drug Pain Relief Strategies. *Journal of Sexual Medicine*. <https://doi.org/10.1016/j.jsxm.2019.05.004>. PMID: 31204266 PMCID: PMC6661212
 29. Schlaeger, J. M., Patil, C. L., Steffen, A. D., Pauls, H. A., **Powell-Roach, K. L.**, Thornton, P. D., Hartmann, D., Kobak, W. H., Yao, Y., Suarez, M. L., Hughes, T. L., & Wilkie, D. J. (2019). Sensory Pain Characteristics of Vulvodynia and their Association with Nociceptive and Neuropathic Pain: An Online Survey Pilot Study. *PAIN Reports*. <https://doi.org/10.1097/PR9.0000000000000713> . PMID: 31041417 PMCID: PMC6455692
 30. **Roach, K. L.**, Hershberger, P. E., Rutherford, J. N., Molokie, R. E., Wang, Z. J., & Wilkie, D. J. (2018). The AVPR1A Gene and Its Single Nucleotide Polymorphism rs10877969: A Literature Review of Associations with Health Conditions and Pain. *Pain Management Nursing*. 19(4), 430-444. <https://doi.org/10.1016/j.pmn.2018.01.003> . PMID: 29503216
 31. Schlaeger, J. M., **Powell-Roach, K.**, Golas, M., Takayama, M., & Wilkie, D. J. (2017). Treatment Seeking Behaviors of Persons with Rheumatoid Arthritis. *Journal of Holistic Nursing*, 36(2):179-191. <https://doi.org/10.1177/0898010117693539> . PMID: 28506103
 32. LePrete, F., Vionnet, N., Budhan, S., Dina, C., **Powell, K. L.**, Genin, E., Das, A. K., Nallam, V., Passa, P., & Froguel, P. (1998). Genetic Studies of Polymorphisms in Ten Non-Insulin Dependent Diabetes Mellitus Candidate Genes in Tamil Indians from Pondichery. *Diabetes & Metabolism* 24 (3), 244-250. PMID:9690058
 33. Stoffel, M., Espinosa III, R., **Powell, K. L.**, Phillipson, L. H., LeBeau, M. M., & Bell, G. I. (1994). Human G-protein-coupled Inwardly Rectifying Potassium Channel (GIRK1) Gene (KCNF3): Localization to Chromosome 2 and Identification of Simple Tandem Repeat Polymorphism. *Genomics*, 21(1), 254-6. PMID:8088798. <https://doi.org/10.1006/geno.1994.1253>
 34. Stoffel, M., Bell, K.L., Blackburn, C.L., **Powell, K. L.**, Seo, T. S., Takeda, J., Vionnet, N., Xiang, K. S., Gidh-Jain, M., Pilkis S., J., Ober, D. & Bell, G. I. (1993). Identification of Glucokinase Mutations in Subjects with Gestational Diabetes Mellitus. *Diabetes*, 42, 937-940. PMID: 8495817 DOI: [10.2337/diab.42.6.937](https://doi.org/10.2337/diab.42.6.937)

Peer-Reviewed Poster and Paper Presentations

International

1. **Powell-Roach, K. L.**, Yao, Y., Cao, X., Wallace, M. R., Cruz-Almeida, Y., Molokie, R. E., Wang, Z. J., Wilkie, D. J., AVPR1A associations with experimental and environmental pain and stress in sickle cell disease. (2022). International Association for the Study of Pain, 2022 World Congress on Pain. September 19–23rd, 2022, Toronto, Canada. (Poster presentation).
2. Gehling, G. M., Yao, Y., **Powell-Roach, K.**, Suarez, M., Schlaeger, J., Ezenwa, M. O., Molokie, R. E., Wang, Z. J., Wilkie, D. J. Concordance of classification with two measures of neuropathic pain in adults with sickle cell disease. (2022) International Association for the Study of Pain, 2022 World Congress on Pain, September 19–23rd, 2022, Toronto, Canada. (Poster presentation).
3. ***Powell-Roach, K. L.**, Dyal, B. W., Chamala, S., Suarez, M. L., Ezenwa, M. O., Schlaeger, J. M., Yao, Y., Fillingim, R. B., Wang, Z. J., Molokie, R. E., & Wilkie, D. J. AVPR1A and stress in younger and older adults with chronic pain of sickle cell disease. (Accepted April 2022) The Global Sickle Cell Disease Network, 4th Global Congress on Sickle Cell Disease. HemaSphere, 6, 54. DOI: 10.1097/01.HS9.0000873204.76507.90
4. Wilkie, D. J., Yao, Y., **Powell-Roach, K. L.**, Dyal, B. W., Schlaeger, J. M., Suarez, M. L., Ezenwa, M. O., Fillingim, R. B., Wang, Z. J., & Molokie, R. E. Trait sensitization but not state sensitization is associated with pain and depression among adults with sickle cell disease. IASP 2021 Virtual World Congress on Pain, June 9-11, 2021 and June 16-18, 2021. (Poster presentation).
5. Dyal, B.W., **Powell-Roach, K.L.**, Schlaeger, J.M., Suarez, M.L., Ezenwa, M.O., Yao, Y., Fillingim, R.B., Wang, Z.J., Molokie, R.E., & Wilkie, D.J. Quantitative sensory testing pain threshold differences by various S-LANSS cut scores among adults with sickle cell disease. International Association for the Study of Pain Virtual Conference, 2021.
6. Schlaeger JM, **Powell-Roach KL**, Dyal BW, Suarez ML, Ezenwa MO, Yao Y, Wang ZJ, Molokie RE, Wilkie DJ., Are Age, BMI, Pain, PRIT, and Pain Pattern Associated with Sensitization in Outpatient Adults with Sickle Cell Disease? (International Association for the Study of Pain, 2021 Virtual Conference)
7. ^**Powell-Roach, K.L.**, Booker, S., Dungan, J.R. (11/2020). A Nod to Nightingale: Addressing health disparities through responsible biomarker approaches. International Society of Nurses in Genetics. Expert Lecture oral presentation (Virtual).
8. ^**Powell-Roach, K.L.**, Yao, Y., Wang, Z.J., Molokie, R.E., Wilkie, D.J. (7/2020). Quantitative Sensory Testing in Healthy African American Adults. Nigeria-Diaspora Biomedical Research Virtual Summit July 1-3, 2020. Virtual oral presentation.
9. Dyal, B. W., **Powell-Roach, K. L.**, Schlaeger, J. M., Suarez, M. L., Ezenwa, M. O., Yao, Y., Fillingim, R. B., Wang, Z. J., Molokie, R. E., & Wilkie, D. J. Quantitative sensory testing pain threshold differences by various S-LANSS cut scores among adults with sickle cell disease. Abstract accepted to the International Association for the Study of Pain International Association for the Study of Pain 18th World Congress,

- Amsterdam, Netherlands, August 4-8, 2020. (Poster Presentation-Cancelled due to COVID-19 Pandemic).
10. **Roach, K. L.**, Yao, Y., Suarez, M. L., Angulo, V., Shuey, D., Ezenwa, M. O., Rutherford, J. N., Schlaeger, J. M., Patil, C. L., Fillingim, R. B., Wang, Z. J., Molokie, R. E., Wilkie, D. J. Age Differences in Normative Values of African American Adults in Quantitative Sensory Testing (QST). International Association for the Study of Pain 17th World Congress, Boston. September 2018. (Poster Presentation).
 11. Schlaeger, J. M., Patil, C. L., Steffen, A. D., Pauls, H., Suarez, M. L., **Roach, K. L.**, Hughes, T. L., Wilkie, D. J. Non-drug Pain Relief Strategies Used by Women with Vulvodynia: A Pilot Study. International Association for the Study of Pain 17th World Congress, Boston. September. (Poster Presentation).
 12. **Roach, K. L.**, Jhun, E. H., Yao, Y., Ezenwa, M. O., Suarez, M. L., Molokie, R. E., Wang, Z. J., Wilkie, D. J., (2016, September). Pain Factors Associated with Arginine Vasopressin Receptor 1A SNP (rs10877969) in Patients with Sickle Cell Disease. Poster presented at the 16th Congress on Pain for the International Association for the Study of Pain (IASP), Yokohama, Japan.
 13. Ezenwa, M. O., Yao, Y., Wang, Z. J.; Suarez, M. L., Zhao, Z., Carrasco, J., Angulo, V., Shuey, D., **Roach, K. L.**, Mandernach, M. W., Molokie, R. E., & Wilkie, D. J. (2016, September). Perceived Discrimination is Related to Emotional Impact Scores of the Patient-Reported Outcome Measure, the Adult Sickle Cell Quality-of-Life Measurement (ASCQ-Me). Poster presented at the 16th Congress on Pain for the International Association for the Study of Pain (IASP), Yokohama, Japan.
 14. LePrete, F., Vionnet, N., **Powell, K. L.**, Froguel, P., Passa, P. (1996, March). Prevalence de Sept Mutations Implique Dans le Diabete Non-Insulin Dependent Dans Une Population d'Indiens de Pondichery. Poster presented at the meeting of ALFEDIAM, Paris.

*Published abstract; ^Oral presentation

National

1. Ogu, U., **Powell-Roach, K. L.**, Athena Starland-Davenport and Goodman, S. The Effect of Annexin A2 on Venous Thromboembolism in Sickle Cell Disease. Annual meeting Programs to Increase Diversity Among Individuals Engaged in Health-Related Research. (April 2023).
2. ^**Powell-Roach, K. L.**, Aroke, E., N., Chidambaran, V., & Goyal, M., "Racial disparities, underlying differential epigenetic pathways and mitigation approaches across pediatric and adult pain conditions" for the upcoming United States Association for the Study of Pain Annual Scientific Conference. (April 2023).
3. **Powell-Roach, K. L.**, Yao, Y., Chamala, S., Wang, Z. J., Molokie, R. E., & Wilkie, D. J. Health disparities in younger and older adults with sickle cell disease pain. Abstract submitted to 2022 State of the Science Congress on Nursing Research. The Council for the Advancement of Nursing Science, (September 2022).

4. Joseph, V., Dyal, B., Schoppee, T., **Powell-Roach, K.**, Ezenwa, M. O., Yao, Y., & Wilkie, D. J. (2021). Frequency of Cannabis Use and Pain Intensity: Results from a National Sample. *Research Society on Marijuana Conference*. (Virtual)
5. ***Powell-Roach, K. L.**, Dyal, B. W., Chamala, S., Suarez, M. L., Ezenwa, M. O., Schlaeger, J. M., Yao, Y., Fillingim, R. B., Wang, Z. J., Molokie, R. E., & Wilkie, D. J. (2020, November). AVPR1A and Stress in Adults with Sickle Cell Disease related Chronic Pain. Symposium presentation (New Evidence on the Biobehavioral Mechanisms of Chronic Pain in Aging African Americans) at the Gerontological Society of America (GSA), Philadelphia, PA (virtual). *Innovation in Aging*, 4(Suppl 1), 785.
6. Behar-Horenstein LS, **Powell-Roach K**, Booker S, Maduka M, Gordon D, Jacobs K, Lyon, D. (2020, October). COVID-19, Cancer, and Racial Health Disparities. American Association for Cancer Research: The Science of Cancer Health Disparities. Virtual Conference.
7. Sadhu N, He Y, **Powell-Roach K**, Suarez M, Ezenwa M, Yao Y, Wilkie DJ, Molokie RE, Wang ZJ. Predicting Chronic Pain in Sickle Cell Disease: A Network-Assisted Polygenic Model. ACMG Annual Clinical Genetics Meeting 2020, San Antonio.
8. ***Powell-Roach, K. L.**, Booker, S.Q., Yao, Y., Suarez, M.L., Ezenwa, M.O., Schlaeger, J., Fillingim, R.B., Wang, Z.J., Molokie, R.E., Wilkie, D.J. (September 2019). Age and Sex Effects on Quantitative Sensory Testing Values in Healthy African American Adults. American Association for Cancer Research. 12th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, San Francisco, CA. (Poster presentation). *Cancer Epidemiology, Biomarkers & Prevention*, 29(6_Supplement_2), D044-D044.
9. Joseph, V., **Powell-Roach, K. L.**, Booker, S., Huo, J., Yao, Y., Chen, X., Cook, R. L., & Wilkie, D. J. (September 2019). Sociodemographic and Clinical Characteristics Associated with Worst Pain Intensity among Cancer Patients. American Association for Cancer Research. 12th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, San Francisco, CA. (Poster presentation).
10. *Marshall, T., **Powell-Roach, K.**, Singh, P., Yao, Y., & Wilkie, D.J. (2019). Racial Differences in Painful Body Surface Area and Pain Intensity among Hospice Cancer Patients. Poster presentation at the 12th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, San Francisco, CA. *Cancer Epidemiology, Biomarkers & Prevention*, 29(6_Supplement_2), C005-C005.
11. ***Keesha L. Powell-Roach**, Chamala, S., Black, V., Ahn, H, Fillingim, R., Ezenwa, M. O., Jhun, E., Schlaeger, J. M., Suarez, M. L., Molokie, R. E., Wang, Z. J., & Wilkie, D.J. Haplotype Analysis of COMT SNPs Associated with Pain Intensity and Acute Care Utilization in Adults with Sickle Cell Disease. *Journal of Pain*. 20(4): S8. (Poster presentation). <https://doi.org/10.1016/j.jpain.2019.01.047>
12. *Ezenwa, M. O., Schlaeger, J., Yao, Y., Molokie, R. E., Wang, Z. J., Suarez, M. L., Angulo, V., Shuey, D., **Powell-Roach, K. L.**, & Wilkie, D. J. Predictors of Opioid Analgesics Prescription in Adult Patients with Sickle Cell Disease. *Journal of Pain*. 20(4): S9. (Poster presentation).

13. **Powell-Roach, K. L.**, Yao, Y., Suarez, M. L., Angulo, V., Shuey, D., Ezenwa, M.O., Schlaeger, J. M., Fillingim, R. B., Wang, Z. J., Molokie, R. E., & Wilkie, D. J. Long-term Stability of The Adult Sickle Cell Quality of life Measure (ASCQ-Me). *Blood* 2018 132:3576. (Poster presentation). [https:// doi.org/10.1182/blood-2018-99-111158](https://doi.org/10.1182/blood-2018-99-111158)
14. **Roach, K.**, Yao, Y., Suarez, M. L., Angulo, V., Shuey, D., Ezenwa, M. O., Rutherford J. N., Schlaeger, J. M., Patil, C., Fillingim, R. B., Wang, Z. J., Molokie, R. E., Wilkie, D. J., (2018, March) QST normative values in African Americans reveal sensitivity to thermal and mechanical stimuli. American Pain Society, Pain Summit. (Poster presentation).
15. *Schlaeger, J. M., Patil, C. L., Suarez, M. L., Pauls, H., Steffen, A. D., **Roach, K. L.**, Hughes, T. L., Wilkie, D. J. Vulvodynia, “A Really Great Torturer”: A Pilot Study to Examine Pain Intensity and High-Risk Pain Relief Strategies. *Journal of Pain*. 19(3): S107. doi: 1016/j.jpain.2017.12.254 (Poster presentation).
16. ***Roach, K. L.**, Molokie, R. E., Wang, Z. J., Ezenwa, M. O., Shuey, D., Carrasco, J., Angulo, V., Schlaeger, J. M., Suarez, M. L., Yao, Y., and Wilkie, D. J. (2016). Validation of PAINReportIt Neuropathic Pain Scale in African American Adults with Sickle Cell Disease. *Blood*, 128(22), 3525.
17. *Ezenwa, M. O., Yao, Y., Suarez, M. L., Zhao, Z., Carrasco, J., Angulo, V., Shuey, D., **Roach, K. L.**, Wang, Z. J., Molokie, R. E., & Wilkie, D. J. (2016). Normative Values for Quantitative Sensory Testing in African Americans. *Journal of Pain*, 17(4S), S22. doi: <http://dx.doi.org/10.1016/j.jpain.2016.01.090>
18. ***Roach, K. L.**, Jhun, E. H., Ying, H., Suarez, M. L., Yao, Y., Molokie, R. E., Wang, Z. J., & Wilkie, D. J. (2016). Vasopressin SNP is related to sickle cell acute care utilization for pain. *Journal of Pain*, 17(4S), S36. <https://doi.org/10.1016/j.jpain.2016.01.149>
19. *Ezenwa, M. O., Yao, Y., Molokie, R. E., Wang, Z. J., Suarez, M. L., Zhao, Z., Carrasco, J., Angulo, V., Shuey, D., **Roach, K. L.**, Oraifo, G., & Wilkie, D. J. (2016). The Association of Sickle Cell-related Stigma with Physical and Emotional Symptoms in Patients with Sickle Cell Pain. *Journal of Pain*, 17(4S), S15. <https://doi.org/10.1016/j.jpain.2016.01.060>

*Published abstract; ^Oral presenttion

Regional

1. ^Scarton, L., **Powell-Roach, K. L.**, Nelson, T., Dyal, B. W., “Lessons learned from implementing research to reduce health disparities in minority populations”, for a workshop symposium: Building Partnerships. Annual Conference Southern Nursing Research Society, 2023. (Workshop Presentation).
2. Islam, A.R., Gehling, G.M., Subramanian, A., Le, A., Gomes de Siqueira, A., Dyal, B. W., **Powell-Roach, K.L.**, Black, L. V., Ezenwa, M. O., Yao, Y., Gallo, A., Kalyanaraman, S., & Wilkie, D. J. Multi-Disciplinary Approach to Updating a Web-Based Reproductive Health Education Intervention for Individuals with Sickle Cell Disease or Sickle Cell Trait: A Methodological Study. Annual Conference Southern Nursing Research Society, 2023. (Poster Presentation).
3. Gina M. Gehling, Yingwei Yao, **Keesha Powell-Roach**, Marie Suarez, Judith Schlaeger, Miriam O. Ezenwa, Robert E. Molokie, Z. Jim Wang & Diana J. Wilkie Classification

- Agreement among S-LANSS and QST in Adults with Sickle Cell Disease. Annual Conference of the Southern Nursing Research Society, 2023. (Poster Presentation).
4. **Powell-Roach, K. L.**, Yao, Y., Suarez, M. L., Angulo, A., Shuey, D., Ezenwa, M. O., Schlaeger, J. M., Fillingim, R. B., Wang, Z. J., Molokie, R. E., Wilkie, D. J. Stability of ASCQ-Me in Adults with Sickle Cell Disease. Annual Conference of the Midwest Nurses Research Society, 2019. (Poster Presentation).
 5. Schlaeger, J. M., Patil, C. L., Steffen, A. D., Pauls, H., Suarez, M. L., **Powell-Roach, K. L.**, Hughes, T. L., Wilkie, D. J. Women's Use of Non-Drug Pain Relief Strategies for Vulvodynia: An Online Survey Pilot Study. Annual Conference of the Midwest Nurses Research Society. (Poster Presentation).
 6. Schlaeger, J. M., **Powell-Roach, K. L.**, Dyal, B. W., Suarez, M. L., Ezenwa, M. O., Yao, Y., Wang, Z. J., Molokie, R. E., & Wilkie, D.J. Quantitative sensory testing in outpatient adults with sickle cell disease: Are age, BMI, pain intensity, quality, and pattern associated with sensitization? Midwest Nursing Research Society 44th Annual Research Conference, Schaumburg, Illinois, April 1-4, 2020. (Poster Presentation).
 7. **Powell-Roach, K. L.**, Yao, Y., Suarez, M. L., Angulo, V., Shuey, D., Ezenwa, M. O., Schlaeger, J. M., Fillingim, R. B., Wang, Z. J., Molokie, R. E., Wilkie, D. J. (2019, February) Reference Values for Quantitative Sensory Testing in Healthy African American Adults. Annual Conference of the Southern Nursing Research Society, Orlando, Florida (Poster discussion).
 8. Ezenwa, M. O., Yao, Y., Molokie, R. E., Wang, Z. J., Schlaeger, J., Suarez, M. L., Angulo, V., **Powell-Roach, K. L.**, Shuey, D., & Wilkie, D. J. (2019, February). Poor Quality of Life in Adults with Sickle Cell Disease Who Have Pain Sensitization: Time to Take Stock. Symposium abstract. Annual Conference of the Southern Nursing Research Society, Orlando, Florida.
 9. **Roach, K.L.**, Molokie, R.E., Wang, Z.J., Ezenwa, M.O., Shuey, D.; Angulo, V.; Suarez, M.L.; Schlaeger, J. M., Yao, Y.; Wilkie, D.L. (2018, March) PAINReportIt Number of Neuropathic pain descriptors Pain Scale Validation in Adults with Sickle Cell Disease. Southern Nurse Research Society (Podium presentation).
 10. Schlaeger, J. M., Patil, C. L., Suarez, M. L., Pauls, H., Steffen, A. D., **Roach, K. L.**, Hughes, T. L., Wilkie, D. J. (Accepted for Paper Presentation December 15, 2017, Midwest Nurses Research Society). Vulvodynia Pain Intensity and High-Risk Pain Relief Strategies: A Pilot Study. April 13, 2018 (Poster presentation).
 11. Schlaeger, J. M., Suarez, M. L., Pauls, H., Steffen, A. D., **Roach, K. L.**, Hughes, T. L., Wilkie, D. J. (2017 American College of Nurse Midwives). Vulvodynia Pain Characteristics: An On-line Survey Pilot Study.
 12. **Roach, K. L.**, Molokie, R. E., Wang, Z. J., Ezenwa, M. O., Shuey, D., Carrasco, J., Angulo, V., Suarez, M. L., Schlaeger, J. M., Yao, Y., and Wilkie, D. J. (2017, April). Pain in Adults with Sickle Cell Disease: Validation of a Neuropathic Pain Scale Derived from the McGill Pain Questionnaire. Poster presented at the annual meeting of the Midwest Nursing Research Society. (Poster Presentation)

^Oral presentation

Local

1. Islam, A. R., Gehling, G. M., Kiros, G-E, **Powell-Roach, K. L.**, Ezenwa, M. O., Molokie, R. E., Wang, Z. J., Yao, Y., Wilkie, D. J. “Assessing the association of the rs4680 genotype with the chronic neuropathic pain experience in individuals with Sickle Cell Disease”. University of Florida College of Nursing Research Summit (March 2023).
2. Bajoo, J., Reed, T., Gordon, D., Dyal, B. W., **Powell-Roach, K.**, Johnson-Mallard, V., Krieger, J., Odedina, F., Yao, Y., Wilkie, D. J. Utilization of sun protection by Black and White adults residing in North Central Florida. Virtual Research Summit & Malasanos Lectureship, 2021.
3. Philippe, A., Booker, S., Dungan, J. R., **Powell-Roach, K. L.** Patients with Sickle Cell Disease coping with pain: A Literature Review discussing factors of Healthcare Utilization (December 2020). Abstract submitted for poster presentation at the 2021 Virtual Research Summit & Malasanos Lectureship.
4. Dyal, B. W., **Roach, K.**, Greenlee, A., Gordon, D., James, M., Pendergrass, B., Eades, N., Oguntoye, A. O., Cullen, K., Yao, Y., Shenkman, E., Johnson-Mallard, V., Krieger, J. L., Odedina, F., Wilkie, D. J. (2020, December). Florida Health and Ancestry Study: Risk factors, prevention behaviors, and access to care— preliminary results from community-engaged recruitment approaches. [Conference presentation abstract] UF Health Cancer Center 2020 Virtual Research Symposium, Gainesville. Florida. (Poster presentation) Gainesville, FL (virtual).
5. **Roach, K. L.**, Dyal, B. W., Yoon, S., Wilkie, D. J. (2018). Plasma morphine concentrations, pain relief, and taste after swallowed and sublingual morphine. 2019 Research Summit & Malasanos Lectureship. Gainesville, FL. April 12, 2019. (ePoster presentation).
6. **Powell-Roach, K.L.**, Yao, Y., Suarez, M.L., Angulo, V., Shuey, D., Ezenwa, M.O., Schlaeger, J., Fillingim, R.B., Wang, Z.J., Molokie, R.E., Wilkie, D.J.; (March 2019). Reference Values for Quantitative Sensory Testing in Healthy African American Adults. University of Florida College of Nursing Research Summit. (Podium presentation).
7. **Roach, K. L.**, Yao, Y., Suarez, M. L., Angulo, V., Shuey, D., Ezenwa, M. O., Schlaeger, J. M., Fillingim, R. B., Wang, Z. J., Molokie, R. E., Wilkie, D. J., (March 2018). QST normative values in healthy African American adults: Thermal and mechanical stimuli in upper and lower sites. University of Florida College of Nursing Research Summit. (Podium presentation).

^Oral presentation

MEDIA:

1. Hostettler, S. (2015, October 28). UIC selected for ‘Future of Nursing’ grant, names two scholars. UICNews. Available at <https://news.uic.edu/uic-selected-for-future-of-nursing-grant-names-two-scholars>.
2. Crowe, J. (2022, March) Price of Pain Podcast. University of Florida, Gainesville FL. Available at <https://www.youtube.com/watch?v=KpGTAEWGVhU&t=111s>.

JOURNAL PEER REVIEWER:
2023 Blood Advances

Independently

Roach
Updated 2/2023

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| 2022 | Frontiers in Reproductive Health | Independently |
| 2022 | Experimental and Biological Medicine | Independently |
| 2022 | Frontiers in Pain Research | Independently |
| 2022 | Biological Research Nursing | Independently |
| 2019 | Geriatric Nursing | Independently |
| 2019 | <i>Chronicle of Advances in Positive Health and Well-Being</i> | Joint Review |
| 2018 | Geriatric Nursing | Joint review |
| 2018 | <i>PM&R: The journal of injury, function and rehabilitation</i> | Joint Review |
| 2016 | Research and Therapy for Nursing practice | Joint Review |