

Gloria Duke

Current Position

Position Title: Professor of Nursing

Start Date: 2010-08-16

Degrees

Degree: PhD

Year Conferred: 1995

Discipline: Nursing

Granting Institution: The University of Texas at Austin

Level of Degree: Doctoral

Highest Degree Earned: Yes

Terminal Degree: No

City: Austin

Title of Dissertation or Thesis: The Nature and Meaning of Well-Being of Employed Mothers with Pre-School Aged Children

State or Province: TX

Degree: M.S.

Year Conferred: 1978

Discipline: Nursing

Granting Institution: Texas Woman's University

Level of Degree: Masters

Highest Degree Earned: No

Terminal Degree: No

Degree: B.S.

Year Conferred: 1972

Discipline: Nursing

Granting Institution: Texas Woman's University

Level of Degree: Bachelors

Highest Degree Earned: No

Terminal Degree: No

Professional Licensures & Certifications

Title: RN

Organization: Texas Board of Nurse Examiners

Type: Certification

Year Conferred: 1972

Work Experience

Reassigned Duties

Teaching

Scholarly Contributions and Creative Productions

1. Gipson, C. (Christy) S., Deal, B. J., Duke, G., Little, M., & Srivali Teal, J. (2025). *Professional Nurse Coaching to Promote Nursing Student Well-Being*.

Presentation Type: Presentation

Synergistic Activity: No

Intellectual Contributions: Review Type: Blind Peer Reviewed

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2. Gipson, C. (Christy) S., Deal, B. J., Duke, G., Little, M., & Srivali Teal, J. (2024).

Preliminary Qualitative Results of a Mixed Methods Study: The Impact of Professional Nurse Coaching on Well-being of Undergraduate Nursing Students

Presentation Type: Presentation

Synergistic Activity: Yes

Intellectual Contributions: Review Type: Blind Peer Reviewed

3. Patterson, J., Hermanns, M., Stocks, E. L., & Duke, G. (2019). Standardized patients to increase empathy of nursing students: A mixed methods study. *Nurse Educator*, 45, 6.

Synergistic Activity: Yes

Intellectual Contributions: Review Type: Blind Peer Reviewed

4. Hall, D., & Duke, G. (2020). Therapy Dog Effects in Nursing Academia: A Mixed Methods Study. *Nurse Educator*.
5. Jones, K., Mcalister, B. S., Duke, G., & Haas, B. K. (2020). Experiences of African American Mothers Following Their Infants' Death. *JOGNN*.

Synergistic Activity: No

Intellectual Contributions: Review Type: Blind Peer Reviewed

6. Cowart, T. W., Duke, G., Bock, G. L., & Dubre, V. (2020b). Ethical implications of state mandated disposition of fetal remains. *Journal of Health Politics, Policy and Law*.

AACSB: Professional Practice Standards or Public Policy: Yes

AACSB: Scholarly Type: Applied or Integration/Application Scholarship

Synergistic Activity: No

Intellectual Contributions: Review Type: Blind Peer Reviewed

AACSB Scholarship Categories: Contributions to Practice

7. Gibbs, Z., & Duke, G. (2020). Linking Self-Efficacy and Job Embeddedness to Locus of Control in Nursing. *Western Journal of Nursing Research*.

To be published online October-November 2020, and scheduled for hard print June 2021.

AACSB: Scholarly Type: Applied or Integration/Application Scholarship

Presentation Type: Other

Synergistic Activity: No

Intellectual Contributions: Review Type: Not Reviewed

8. Johnston, D., & Duke, G. (2020). Johnston, D., Duke, G. Beyond survival: Being the father of a very low birth weight infant. . *The Qualitative Report or Journal of Pediatrics*.

This manuscript has been re-submitted by first author with no feedback. Advised primary author September 18, 2017 to withdraw submission and submit to different journal. Feedback was received and will be used to submit to Journal of Pediatrics or The Qualitative Report in Summer 2020. Contact made with him June 3, 2020 to revise and re-submit.

AACSB: Scholarly Type: Applied or Integration/Application Scholarship

Presentation Type: Other

Book Type: Other

Synergistic Activity: No

Intellectual Contributions: Review Type: Blind Peer Reviewed

9. Duke, G. (2020). *Attitudes About and Preferences for End of Life care in the Conservative and Orthodox Jewish Community*.

This study was initiated two years ago and I have had significant issues with sample recruitment; so far, participants in Dallas, Ft Worth, Tyler and Houston have been recruited; need additional ones to reach data saturation. San Antonio and Austin areas will be next location for sample recruitment.

AACSB: Scholarly Type: Applied or Integration/Application Scholarship

Presentation Type: Other

Synergistic Activity: Yes

Intellectual Contributions: Review Type: Not Reviewed

10. Parkman, S., Mastel Smith, B., Mcguire, A., & Duke, G. (2019). Pain, Need-Driven Behaviors in Dementia, and Nurses' Perceptions: A Mixed-Methods Study. *Geriatric Nursing*.

Intellectual Contributions: Review Type: Blind Peer Reviewed

11. Cowart, T. W., Duke, G., Bock, G. L., & Dubre, V. (2020a). Ethical Implications of State Mandated Disposition of Fetal Remains. *Journal of Medical Ethics*.

AACSB: Professional Practice Standards or Public Policy: Yes

AACSB: Scholarly Type: Applied or Integration/Application Scholarship

AACSB Scholarship Categories: Discipline Based

12. Lake, P., Kang, H. Y., & Duke, G. (2016). *The Effects of Aromatherapy on Stress and Anxiety in Pre-Clinical Simulation Lab Nursing Students: A Feasibility-Pilot Study*.

Began working with Dr. Kang and Dr. Lake in Fall 2015 to plan aromatherapy pilot study; data collection completed March 2016; data analysis completed; manuscript completed except waiting for one co-contributor to finish her part of manuscript. Duke offered to finish and submit as corresponding author but lead author refused.

Presentation Type: Other

Book Type: Other

Synergistic Activity: No

Intellectual Contributions: Review Type: Blind Peer Reviewed

Grants

Title: Effectiveness of Microcurrent Neurofeedback on Opioid Use, Cravings, Pain and Mental Health Outcomes

Sponsor: Matthews Hope Foundation

Award Date: 2020-10-11

Start Date: 2020-11-23

End Date: 2022-11-21

Period Length: 1

Period Unit: Year

Indirect Funding: 0

Total Funding: 0

Currency Type: USD

Description:

Grant pays salary of up to \$45,000.00 with 10,000.00 payable in November and December 2020, and another \$10,000.00 payable last 2 months of study, with additional payments in the interim based on study needs. The study will be in Houston, TX.

Abstract:

Opioid misuse in the US contributed to 128 deaths daily in 2018 (CDC, 2018). The social, economic and health impacts of opioid misuse are profound and incalculable. However, prescription opioid misuse alone is known to have cost over \$78 billion a year, while illicit drug use in 2007 was \$193 billion (US Department of Justice, 2011). The purpose of this partially blinded, RCT is to determine the effects of IASIS Microcurrent Neurofeedback on outcomes of depression, anxiety, quality of life, opioid use and behaviors, opioid craving and pain in adults entering detoxification treatment for opioid addiction. The study will take place in a detox center in Houston, TX, beginning November 2020 until about November 2022. Enrollment of 60 adults is planned, with randomization to an intervention group and to a sham-control intervention group. Descriptives for demographic data will be conducted and if parametrics assumptions are met, analysis of variance (ANOVA) tests between and within groups will be conducted, as well as analysis of covariate to assess any relationship between demographics and outcome measures.

Number of Periods: 2

Collaborators: Gloria Duke (50%) PI with Courtney Yotter (25%) CoInvestigator, Gary Duke (25%) CoPI

Status: Funded - In Progress

Approval for Pre-award Spending: No

Type of Grant: Research

Type of Funding: Foundation

Synergistic Activity: No

Internal/External: External

Title: The Identification of Bio Markers in the Transition of Acute/Sub-Acute to Chronic Pain in Adults with Low Back Pain

Sponsor: NIH grant application NOT-NS-18-052

Start Date: 2020-10-01

Period Length: 1

Period Unit: Year

Indirect Funding: 0

Total Funding: 0

Currency Type: USD

Description:

The purpose of this Notice is to inform potential applicants to the National Institute of Neurological Disorders and Stroke (NINDS) Bioengineering Research Grants (BRG), Bioengineering Research Partnerships (BRP), Translational Neural Devices, and BRAIN Initiative: Next Generation Invasive Devices Recording and Modulation in the Human Central Nervous System, and Smart and Connected Health Funding Opportunity Announcements about an area of special interest. NINDS would like to accelerate the development of devices for the treatment of pain.

Abstract:

I have written LBP part of B&S for this grant; Dr. Arce-Esquivel locating specific biomarker testing to do and is ready to resume this project in spring 2020.

Number of Periods: 2

Collaborators: Arturo A Arce-Esquivel PI with Carol A Rizer CoInvestigator, Gloria Duke CoInvestigator

Status: In Preparation - Not Submitted

Approval for Pre-award Spending: No

Type of Grant: Research
Type of Funding: Federal
Internal/External: External

Title: Effectiveness of IASIS Microcurrent Neurofeedback on Suicidality and Related Factors

Sponsor: American Foundation for Suicide Prevention

Start Date: 2020-04-30

End Date: 2021-04-29

Period Length: 1

Period Unit: Year

Indirect Funding: 0

Total Funding: 0

Currency Type: USD

Description:

Effectiveness of IASIS Microcurrent Neurofeedback on Suicidality and Related Factors

Abstract

According to the Centers for Disease Control and Prevention, in 2017 suicide was reported to be the tenth leading cause of death in the US, the 2nd leading cause of death in persons ages 10-34 years, and other sources indicate the suicide rate among adolescents and young adults is nearly double in rural than in urban areas. Access to mental health resources is poor in Texas compared to other states, as Texas ranked #49 in terms of access to mental health care in a recent Mental Health America report (32). Poor access to mental health resources may be contributing to a higher suicide rate in Texas. Vulnerable populations for suicide within the college student population include veterans, individuals who identify as being in the lesbian, gay, bisexual, transgender, queer (LGBTQ) population, and individuals reporting symptoms of sleep disturbance, chronic pain, anxiety, depression, and hopelessness. Varying effectiveness has been demonstrated using traditional neurofeedback and transcranial electrical stimulation but IASIS has advantages over these approaches but little science that demonstrates this.

This exploratory pilot randomized control trial seeks to determine the effectiveness of a novel neurofeedback technology, IASIS Microcurrent Neurofeedback (MCN) on suicidality in the college student population with an emphasis on those known to have higher suicide rates: veterans and the LGBTQ population. The control group will be standard psychological treatment.

College students, including high risk groups of veterans and LGBTQ students from The University of Texas at Tyler (UT Tyler) will be recruited to participate with the goal of having 21 in each group that will demonstrate 80% power with a large effect size noted in a previous IASIS study. Data collection will include the following instruments: demographics, Beck Suicide Ideation Scale, Depression and Anxiety Stress Scale-21; Beck Hopelessness Scale; Revised Short Form McGill Pain Questionnaire-2; Satisfaction With Life, and Pittsburgh Sleep Quality Index. Data collection will be baseline, completion of standard/IASIS treatments at about 6 weeks, and again 6 weeks later to determine sustainability of effects. Independent t-tests, between and within group changes on all outcomes will be analyzed at the three timepoints.

While much positive anecdotal data exists regarding IASIS MCN, only one small pilot study has been published. This proposed study has the intent of addressing a severe gap in the literature regarding more contemporary and anecdotally successful strategies for addressing suicidality and related factors of depression, anxiety, sleep, hopelessness and pain.

Number of Periods: 2

Collaborators: Gloria Duke PI with Sarah M Sass CoInvestigator, Kim Harvey-Livingston CoInvestigator, Christine Gipson CoInvestigator, Harrison Ndetan CoInvestigator

Status: In Preparation - Not Submitted

Approval for Pre-award Spending: No

Type of Grant: Research

Type of Funding: Foundation

Internal/External: External

Title: Effectiveness of PARO Robotic Pet Seal Therapy for Symptom Control and Medication Reduction in Dementia and Similar Diagnoses

Sponsor: NIH

Start Date: 2020-04-01

End Date: 2023-03-31

Period Length: 1

Period Unit: Year

Indirect Funding: 1

Total Funding: 0

Total Direct Funding: 0

Currency Type: USD

Abstract:

Dementia is a leading cause of disability in the U.S., and behavioral and psychological symptoms of dementia (BPSD) can be more challenging to deal with than the cognitive impairment occurring with dementia. BPSD and accompanying symptoms such as pain affect most individuals with dementia at some point during the progression of the disorder, adding to the cost and burden of caring for them. The long-term goal of the research team is to improve the quality of life for patients with dementia in acute and long-term care settings through the development and implementation of non-pharmacological interventions to reduce BPSD. The overall objective of this study is the development of an effective protocol for using the PARO Robotic Pet Seal as a non-pharmacological intervention to reduce BPSD and pain in persons with dementia in acute care settings. Specific aims are to identify physiological health parameters affected by PARO Robotic Pet Seal therapy; identify physiological and observational parameters of pain affected by PARO Robotic Pet Seal therapy; and identify observational parameters of BPSD affected by PARO Robotic Pet Seal therapy. The PARO Robotic Seal is a form of animal assisted therapy using artificial intelligence (AI). This study would contribute toward symptom science as part of NINR's strategic plan. Impaired cognition, "disordered mood" and pain are three key symptoms discussed by the NINR along with developing strategies to improve quality of life. This project incorporates inter-professional collaborations that are also a key component of NINR's initiatives. The setting for this randomized controlled trial will be two large metropolitan hospital systems; the target population will be persons 65 years and older with dementia, delirium or dementia-related disorders. Intervention group will receive three to five 15 minute sessions of PARO Robotic Seal interaction and the control group will receive the same dose but with a sham PARO Robotic Seal, the same seal with AI mechanisms disabled. Undergraduate and graduate nursing and psychology

students will participate in research activities including sample recruitment, data collection and analysis. Demographics and outcome measures of physiological measures (vital signs, pulse ox, galvanic skin response), pain, and BPSD behaviors (delirium, cognition, anxiety) will be collected before, during and after final treatments. Data will be analyzed using descriptive and inferential statistics. Little empirical information is known about the effectiveness of the PARO in the detection, assessment, and interventions for BPSD that are of concern for persons with dementia in acute care settings. Evidence is needed through RCTs to verify the effectiveness of this for reducing symptoms in persons with dementia. Without this evidence to support the development of protocols for use of the PARO in acute settings, patients with dementia will continue to suffer BPSDs and be denied the potential benefits of PARO assisted therapy.

Number of Periods: 3

Collaborators: Sandra Wiggins Petersen PI with Gloria Duke CoInvestigator, Karan Singh CoInvestigator, Ellen Munsterman Other, Annette Cox Other, Patricia Kelly Other, Benjamin Tseng Other

Status: Submitted for Review

Approval for Pre-award Spending: No

Type of Grant: Research

Type of Funding: Federal

Internal/External: External

Title: The Identification of Biomarkers in the Transition of Acute/Subacute to Chronic Pain in Adults with Low Back Pain

Sponsor: NINDS

Start Date: 2019-09-01

End Date: 2021-09-01

Period Length: 1

Period Unit: Year

Indirect Funding: 1

Total Funding: 0

Total Direct Funding: 0

Currency Type: USD

Abstract:

NOT-NS-18-052 Notice of NINDS BRG, BRP, Translational Neural Devices, BRAIN Initiative: Next Generation Invasive Devices Recording, Modulation in the Human Central Nervous System, and Smart & Connected Health Program Applications Directed at the Treatment of Pain

The purpose of this Notice is to inform potential applicants to the National Institute of Neurological Disorders and Stroke (NINDS) Bioengineering Research Grants (BRG), Bioengineering Research Partnerships (BRP), Translational Neural Devices, and BRAIN Initiative: Next Generation Invasive Devices Recording and Modulation in the Human Central Nervous System, and Smart and Connected Health Funding Opportunity Announcements about an area of special interest.

Number of Periods: 2

Collaborators: Carol Rizer CoPI with Arturo A Arce-Esquivel CoPI, Jody K. Takemoto CoInvestigator, Gloria Duke CoInvestigator

Status: In Preparation - Not Submitted

Approval for Pre-award Spending: No

Type of Grant: Research

Type of Funding: Federal

Synergistic Activity: No
Internal/External: External
Title: Addressing Unmet Needs in Persons with Dementia to Decrease Behavioral Symptoms
Sponsor: NIH
Start Date: 2017-07-03
Period Length: 1
Period Unit: Year
Indirect Funding: 1
Total Funding: 0
Total Direct Funding: 0
Currency Type: USD
Description:

This grant was submitted and scored; revisions close to complete with plan to resubmit November 2018.

Number of Periods: 3
Collaborators: Sandra Petersen PI with Gloria Duke CoInvestigator, Benjamin Y Tseng CoInvestigator, Andrew Lawrence Schmitt CoInvestigator
Status: In Preparation - Not Submitted
Approval for Pre-award Spending: No
Type of Grant: Research
Type of Funding: Federal
Synergistic Activity: Yes
Internal/External: External

Teaching Enhancement Activities

Professional Enhancement Activities

Start Term: 2019/02
Title: Social & Behavioral Research Investigators (CITI)
Hours: 4
Synergistic Activity: No
Internal/External: External
Start Term: 2017/02
Title: UT System Women's Institute
Hours: 8
Description: Attended per invitation as sponsor for Dr. Fredericka Brown
Internal/External: External
Start Term: 2017/01
Title: Institute for Integrated healthcare seminars
Description: I have attended all of these except one
Internal/External: Internal
Start Term: 2016/02
Title: Christus Ethics Committee Training
Hours: 2
Description: Christus Trinity Mother Frances Hospital EThics committee member training
Synergistic Activity: No

Internal/External: External

Advising Activities

Start Term: 2019/02

Name of Attached Document: Student Advising Activities

of Doctoral: 3

Start Term: 2019/01

Name of Attached Document: Student Advising Activities

of Undergraduate: 1

of Doctoral: 2

Start Term: 2018/02

Name of Attached Document: Student Advising Activities

of Doctoral: 10

Student Mentoring

Start Term: 2019/03

Student Name: Sylvia Waweru

Title of Thesis / Dissertation: A Mixed Methods Study on Cultural Competence Among Nursing Students in Kenya

Start Term: 2017/03

Student Name: Janice Chretien-HRD

Title of Thesis / Dissertation: Working Memory, Recall, and Onboarding Female Millennial Gig Workers

Start Term: 2016/03

Student Name: Eugenia Welch

Title of Thesis / Dissertation: Pain Practices and Decision-Making: A Multiple Case Study of Nurses Who Work in Long Term, Hospice and Acute Care Settings

Start Term: 2015/03

Student Name: Sarah Jiminez

Title of Thesis / Dissertation: Relationship of Undergraduate Nursing Students' Emotional Intelligence and other Factors to ATI-NCLEX-RN Comprehensive Predictor Examination Performance

Professional Service

Start Term: Spring 2019

End Term: Ongoing

Title: East Texas Opioid and Substance Abuse Task Force

Organization: East Texas; initiated by Sheriff's office

Description: This task force meets about monthly at UTHSCT to examine strategies for reducing opioid use and related deaths in ET area. One workshop implemented.

Responsibility: Member

Scope: Local

Type of Professional Service: Other Contribution

Start Term: Spring 2019

End Term: Ongoing

Title: Effect of IASIS MCN on Depression, Anxiety and PTSD

Organization: N/A

Description: PI of unfunded study that takes up minimum 5 hours/week of my time for data collection, about another 5 hours of reviewing participant records; personal funds being used for equipment, office space and utilities.

Responsibility: Chair

Scope: Local

Type of Professional Service: Other Contribution

Start Term: Spring 2017

End Term: Ongoing

Title: Reviewer: Pain Management Nursing

Responsibility: Other

Synergistic Activity: No

Scope: International

Type of Professional Service: Manuscript Reviewer

Start Term: Spring 2016

End Term: Ongoing

Title: Reviewer for Journal of Human Trafficking

Description: Reviewed one manuscript with moderate edits Spring 2016

Responsibility: Other

Synergistic Activity: No

Scope: International

Type of Professional Service: Manuscript Reviewer

Start Term: Spring 2015

End Term: Ongoing

Title: Ethics Board-TMFH

Responsibility: Member

Synergistic Activity: No

Scope: Local

Type of Professional Service: Other Contribution

Start Term: Fall 2013

End Term: Ongoing

Title: Manuscript Reviewer

Organization: JNL of Emergency Nursing

Responsibility: Other

Scope: National

Start Term: Fall 2013

End Term: Ongoing

Title: Manuscript reviewer

Organization: Online Journal of Health Ethics

Responsibility: Other

Scope: International

Start Term: Fall 2008

End Term: Ongoing

Title: Reviewer for International Journal of Palliative Nursing, November 2008

Organization: International Journal of Palliative Nursing

Description: Review and often give extensive feedback on manuscripts that have been submitted

Scope: International

Start Term: Spring 2007

End Term: Ongoing

Title: Manuscript reviewer

Organization: British Journal of Nursing

Description: Review and often give extensive feedback on submitted manuscripts

Scope: International

Community Engagement / Civic Service Activities

Start Term: Spring 2010

End Term: Ongoing

Title: Board member

Organization: Bushido Kai ABKA Colonial Hills

Description: Participate regularly as board member for mission-related fundraising and planning/implementation of related ABKA activities for children and adults on local and national level; regularly teach once a week from 1-3 hours.

Responsibility: Member

Scope: State

Start Term: Fall 2009

End Term: Ongoing

Title: Instructor

Organization: ABKA-Colonial Hills

Description: Physical activity program designed to improve physical and mental health and well-being; average of 4-5 hours per week required. 100% of program fees/tuition goes to national and international mission work, i.e., orphanages for children in Philippines, Mexico, Guatemala; housing, schools, homes, etc.

Responsibility: Other

Scope: Local

Start Term: Fall 2009

End Term: Ongoing

Title: Member, Advisory Board

Organization: Circle of Ten, Inc

Description: Per my request, stepped down as Board chair, and continue to provide assistance when needed as advisory board member

Scope: State

Honors and Awards

Title: Barbara Cushing Award of Excellence for Practice, Education and Research

Year Conferred: 2014

Type of Honor / Award: Professional

Award Type: Research or Other Creative Endeavors

Title: Bart Brooks Professorship in Ethics

Organization: The University of Texas at Tyler

Year Conferred: 2012

Title: White Fellowship for Teaching Excellence

Year Conferred: 2007

Type of Honor / Award: University

Award Type: Teaching

Title: Excellence in Research

Organization: Iota Nu Chapter, Sigma Theta Tau, Int.

Year Conferred: 2006

Membership

Year Started: 2011

Year Ended: Ongoing
Organization Name: American Association of Pain Management Nurses
Year Started: 2010
Year Ended: Ongoing
Organization Name: American Nurses' Association
Year Started: 2010
Year Ended: Ongoing
Organization Name: Southern Nurses Research Society
Year Started: 1993
Year Ended: Ongoing
Organization Name: The Society of the Advancement of Modeling and Role-Modeling
Year Started: 1988
Year Ended: Ongoing
Organization Name: Iota Nu Chapter, Sigma Theta Tau, International

Consulting

Institutional Committees

Committee Name: Quality Council for SON
Start Term: Spring 2017
End Term: Ongoing
Unit Name: The University of Texas at Tyler
Responsibility: Member
Curriculum Development: Not Applicable
Committee Name: SON PhD and Doctoral Committees
Start Term: Fall 2012
End Term: Ongoing
Unit Name: The University of Texas at Tyler
Responsibility: Member
Curriculum Development: Not Applicable
Committee Name: Faculty Senate; I was a member then senator at large for 2 consecutive terms; now regular attendee
Start Term: Fall 2011
End Term: Ongoing
Unit Name: The University of Texas at Tyler
Responsibility: Other
Curriculum Development: Not Applicable

Other Institutional Service

K-12 Service Activities

Professional Appointments

Faculty Classifications

Classification	Value	Date Range
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