

Qiang Wu, Ph.D., PStat®

Work: Department of Public Health, 165 Leo Jenkins Building, East Carolina University, Greenville, NC 27834
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Employment

Professor in biostatistics **August 2022 – present**

ECU Department of Public Health at Brody School of Medicine. The workload included 37.5% teaching, 52.5% research, and 10% service. Report directly to chair Suzanne Lazorick, MD.

Professor in biostatistics **July 2020 – July 2022**

ECU Department of Biostatistics at College of Allied Health Sciences. The workload included 40% teaching, 50% research, and 10% service. Reported directly to chair Paul Vos, Ph.D.

Associate professor in biostatistics **July 2014 – June 2020**

ECU Department of Biostatistics at College of Allied Health Sciences. The workload included 40% teaching, 50% research, and 10% service. Reported directly to chair Paul Vos, Ph.D.

Assistant professor in biostatistics **September 2007 – June 2014**

ECU Department of Biostatistics at College of Allied Health Sciences (51% effort) and College of Nursing (49% effort). The workload included 30% teaching, 30% research, 30% statistical consulting, and 10% service. Reported directly to chair Paul Vos, Ph.D.

Graduate student researcher (statistician) **September 2003 – August 2007**

Department of Statistics at the University of Pittsburgh. Provided statistical support to Conte Center for the Neuroscience of Mental Disorders in Department of Psychiatry. Reported directly to supervisor Allan R. Sampson, Ph.D.

Teaching fellow **June 2006 – August 2006**

Department of Statistics at the University of Pittsburgh. Instructor of an introductory statistics course for students from multiple disciplines such as business, engineering, economics, and sports.

Teaching assistant **September 2002 – May 2007**

Department of Statistics at the University of Pittsburgh. Lead recitation sessions, grade homework, and support lab hours.

Statistical consultant **September 2006 – December 2006**

Department of Statistics at the University of Pittsburgh. Provided consulting services to researchers at the University of Pittsburgh under the supervision of Allan R. Sampson, Ph.D.

Education

Ph.D. in Statistics, University of Pittsburgh **August 2007**

Dissertation topic: Clustering Methodologies with Applications to Integrative Analysis of Post-Mortem Tissue Studies in Schizophrenia. Advisor: Allan R. Sampson, Ph.D.

M.A. in Statistics, University of Pittsburgh

May 2007

B.S. in Finance, University of Science and Technology of China

August 2002

Thesis topic: Pricing of Barrier Option. Advisor: Shuguang Zhang, Ph.D.

Teaching Experience

East Carolina University

- Health Research Methods Spring 2018, 2022, 2023 – 2025
- Public Health Data Analytics Fall 2018 – 2019
- Introduction to Biostatistics Fall 2010 and 2011, Spring and Fall 2013, Fall 2015 – 2023
- Biostatistics for health professionals I Fall 2012, Spring and Fall 2014, Fall 2024
- Biostatistics for health professionals II Spring 2008 and 2009
- Applied Multivariate Analysis Fall 2008 and 2009

University of Pittsburgh

- Introduction to statistics Summer 2006

Statistical Consulting Experience and Accreditation

Dual Employment Contract, University of North Carolina at Chapel Hill September 2023 – present

Provided statistical support to the DELISH weight loss trial in UNC-Chapel Hill Division of General Medicine and Clinical Epidemiology. Reported to PI Thomas Keyserling, MD.

PStat® Accreditation Committee, American Statistical Association January 2015 – December 2019

Responsible for considering ways to increase the value of accreditation for accredited members, and ways to encourage more people to apply for accreditation. Reviewed applications to PStat® and GStat®.

PStat® accredited member, American Statistical Association December 2013 – present

Statistical consultant, East Carolina University September 2007 – present

Delivered an average of 160 hours per year of independent statistical consulting services to researchers at ECU, especially those from College of Allied Health Sciences, College of Nursing, School of dental medicine, and Brody School of Medicine.

Statistical consultant, University of Pittsburgh September 2003 – July 2007

Delivered statistical support to the Conte Center of Neuroscience of Mental Disorders in the Department of Psychiatry at the University of Pittsburgh under the supervision of Prof. Allan R. Sampson.

Publications

[1] Alec Ducharme, Anne Dickerson, Qiang Wu, Meagan Denny, Helen Houston, Lynne Murphy (2025), Examining multi-tasking ability on an interaction driving simulator task to differentiate between fit and unfit drivers, American Journal of Occupational Therapy, submitted, February 2025.

[2] Megan Denny, Anne Dickerson, Qiang Wu, Alec DuCharme, Helen Houston, Lynne Murphy (2025), Examining Vision Coach™'s Visual Processing Reaction Time as a Predictor for Driving, American Journal of Occupational Therapy, in press, 79(4).

- [3] Qiang Wu, Cheryl Webb Cherry, Stephanie Jilcott Pitts, Melissa N. Laska, Neal Craft, Nancy E. Moran (2025), A reflection-spectroscopy measured skin carotenoid score strongly correlates with plasma concentrations of all major dietary carotenoid species except for lycopene, *Nutrition Research*, Volume 133, Pages 127-137, ISSN 0271-5317, <https://doi.org/10.1016/j.nutres.2024.11.010>.
- [4] Paul Vos and Qiang Wu (2025), Generalized estimation and information, *Information Geometry*, <https://doi.org/10.1007/s41884-025-00164-5>
- [5] Richman, A. R., Schwartz, A. J., Torres, E., Wu, Q. (2025). Predictors of COVID-19 vaccine recommendation practices among healthcare providers in the US. *Patient Education and Counseling*, 134, 108687.
- [6] Anne E. Dickerson, Qiang Wu, Helen Houston, Therese Cassidy, Susan Touchinsky; Establishing the Predictive Validity of the Assessment of Motor and Process Skills for Driving Performance Outcomes. *Am J Occup Ther* September/October 2024, Vol. 78(5), 7805205040. doi: <https://doi.org/10.5014/ajot.2024.050687>
- [7] Kyle R. Busse, Kathryn I. Poppe, Qiang Wu, Stephanie B. Jilcott Pitts, Lindsey Haynes-Maslow, Alice S. Ammerman, Kathleen Krzyzanowski Guerra, Zoë Plakias, Andrew S. Hanks, Katharine Garrity, Rachel Gillespie, Bailey Houghtaling, Rebecca A. Seguin-Fowler, Jennifer A. Garner, Household Food Sourcing Patterns and Their Associations With Food Insecurity in Appalachian Ohio, *Journal of the Academy of Nutrition and Dietetics*, Volume 125, Issue 1, 2025, Pages 54-68.e4, ISSN 2212-2672, <https://doi.org/10.1016/j.jand.2024.07.162>.
- [8] Murray, W., Wu, Q., Balanay, J. A. G., & Sousan, S. (2024). Assessment of PM2.5 Concentration at University Transit Bus Stops Using Low-Cost Aerosol Monitors by Student Commuters. *Sensors*, 24(14), 4520. <https://doi.org/10.3390/s24144520>
- [9] Resor, J., Dixon, J., Wu, Q., Hegde, A.V., Lee, T.D., Goodell, L.S., Mendez, L.M., McMillan, V.J., Stage, V.C. Associations Between Preschool Teachers' Food-Based Learning Frequency, Level of Personal Priority, and Identified Resources and Challenges: A Needs Assessment. *Nutrients*. 2024; 16(13), 2140; <https://doi.org/10.3390/nu16132140>
- [10] Stephanie B. Jilcott Pitts, Qiang Wu, Nancy E. Moran, Melissa N. Laska, Lisa Harnack (2023), Examining Potential Modifiers of Human Skin and Plasma Carotenoid Responses in a Randomized Trial of a Carotenoid-Containing Juice Intervention, *Nutritional Epidemiology*, in press, September 22, 2023, DOI:<https://doi.org/10.1016/j.tjnut.2023.09.014>.
- [11] Dixon J, Stage VC, Truesdale KP, et al. Associations between food and beverage purchases and skin carotenoids among diverse small food retail store customers. *Public Health Nutrition*. 2023;26(11):2211-2217. doi:10.1017/S1368980023001581
- [12] Pendleton M, Moss ME, Wu Q, Tempel R, Garcia R, Al-Dajani M. Payment Methods and Demographics Influence Patterns of Dental Service Utilization. *J Public Health Manag Pract*. 2023 Nov-Dec 01;29(6):929-935. doi: 10.1097/PHH.0000000000001774. Epub 2023 Jun 6. PMID: 37290126; PMCID: PMC10549891.
- [13] Sinan Sousan, Qiang Wu, Yoo Min Park, Sarah Fresquez, Nathaniel Batts, Nicole Bertges, Carol Johnston, Heather Tunnell, Jack Pender, Eric Soule (2023), Laboratory Determination of Gravimetric Correction Factors for Real-time Area Measurements of Electronic Cigarette Aerosols: Part Two. *Aerosol Science & Technology*, in press, March 14, 2023.
- [14] Victoria Penna, Anne Dickerson, Qiang Wu (2023), Visual-Motor Processing Speed and Reaction Time Differences between Medically-At-Risk Drivers and Healthy Controls, *Occupational Therapy In Health Care*, 2023 Feb 14:1-17. DOI: 10.1080/07380577.2023.2177790.
- [15] Young Joo Kim, Melissa Dale, Anne E. Dickerson, Qiang Wu, Lynne Murphy (2022), Forming New Habits: An Intervention to Decrease Sedentary Behavior in Medically Stable Older Adults. *The American Journal of Occupational Therapy*, 2022, Vol. 76(Supplement_1), 7610510020p1. <https://doi.org/10.5014/ajot.2022.76S1-RP20>

- [16] Stephanie Jilcott Pitts, Nancy E. Moran, Melissa N. Laska, Qiang Wu, Lisa Harnack, Stacey Moe, Pamela Carr-Manthe, Elizabeth Gates, Jocelyn Chang, Yusuf Zaidi, Abigail Gelineau, Lauren Berg, Neal E. Craft (2023), Reflection spectroscopy-assessed skin carotenoids are sensitive to change in carotenoid intake in a six-week randomized controlled feeding trial in a racially/ethnically diverse sample, *The Journal of Nutrition*, 2023 Feb 18;S0022-3166(23)12620-4. doi: 10.1016/j.tjn.2023.02.017. Epub ahead of print. PMID: 36804322.
- [17] Sydney Romer, Anne Dickerson & Qiang Wu (2022) Driving Performance of Experienced Young Adult Drivers with and without Autism Spectrum Disorder While Listening to Music on Two Scenarios: Hazards versus Wayfinding, *Occupational Therapy In Health Care*, 2022 Sep 16:1-18. doi: 10.1080/07380577.2022.2116761. Epub ahead of print. PMID: 36112015.
- [18] Alex Gillone, Acela Martinez Luna, Qiang Wu, Gerard Camargo, Mark Moss, Ramiro Mendonca Murata, Vanessa Pardi, David W. Paquette (2023), Racial and ethnic disparities in periodontal health among adults seeking dental care in rural North Carolina communities: A retrospective study, *Journal of Periodontology*, 2023 Mar;94(3):364-375. doi: 10.1002/JPER.22-0137. Epub 2023 Jan 19. PMID: 36321899.
- [19] Xiaoxi Cui; Tyler Reason; Vanessa Pardi; Qiang Wu; Acela A. Martinez Luna (2022), CBCT Analysis of Crestal Soft Tissue Thickness Before Implant Placement and Its Relationship with Cortical Bone Thickness, *BMC Oral Health*, 2022 Dec 10;22(1):593. doi: 10.1186/s12903-022-02629-w. PMID: 36496410; PMCID: PMC9741784.
- [20] Richman, A. R., Torres, E., Wu, Q., Eldridge, D., Lawson, L. (2022). The evaluation of a digital health intervention to improve human papillomavirus vaccine recommendation practices of medical students. *Journal of Cancer Education*, 2022 Dec 17. doi: 10.1007/s13187-022-02250-z. Epub ahead of print. PMID: 36526919.
- [21] Richman, A. R., Torres, E., Wu, Q., Eldridge, D., Lawson, L. (2022). HPV vaccine recommendation practices of current and future physicians in North Carolina: An exploratory study. *Health Education Research*. 2022 Aug 1;37(4):213-226. doi: 10.1093/her/cyac016. PMID: 35788319.
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- [23] Qiang Wu & Paul Vos (2022), Permutation confidence region for multiple regression and fidelity to asymptotic approximation, *Communications in Statistics - Theory and Methods*, DOI: 10.1080/03610926.2022.2076119
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- [25] Lei Xu, Wenhua Lu, Aimee West Smith, Qiang Wu, Victoria Chan, and Anjalee Hou (2022), Gender, Ethnicity Differences in Mental Health Status and COVID-19 Vaccine Intention among U.S. College Students during COVID-19 Pandemic, *Journal of American College Health*. 2022 May 12:1-10. doi: 10.1080/07448481.2022.2070024. Epub ahead of print. PMID: 35549991.
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- [29] Paul Vos and Qiang Wu (2021), Letter to the Editor: Zhang, J. (2021), “The Mean Relative Entropy: An Invariant Measure of Estimation Error,” *The American Statistician*, 75, 117-123: comment by Vos and Wu, *The American Statistician*, 75:4, 455-457, DOI: 10.1080/00031305.2021.1978544
- [30] Stephanie B Jilcott Pitts, Nancy E Moran, Qiang Wu, Lisa Harnack, Neal E Hanchard, Ronny Bell, Stacey G Moe, Nevin Johnson, Justice Obasohan, Pamela L Carr-Manthe, and Melissa N Laska (2021), Pressure-Mediated Reflection Spectroscopy Criterion Validity as a Biomarker of Fruit and Vegetable Intake: A 2-Site Cross-Sectional Study of 4 Racial or Ethnic Groups, *The Journal of Nutrition*, 2022 Jan 11;152(1):107-116. doi: 10.1093/jn/nxab349. PMID: 34562088; PMCID: PMC8754514.
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- [32] Stephanie B. Jilcott Pitts, Qiang Wu, Kimberly P. Truesdale, Ann P. Rafferty, Lindsey Haynes-Maslow, Kathryn A. Boys, Jared T. McGuirt, Sheila Fleischhacker, Nevin Johnson, Archana P. Kaur, Ronny A. Bell, Alice S. Ammerman, Melissa N. Laska (2021), A four-year observational study to examine the dietary impact of the North Carolina Healthy Food Small Retailer Program, 2017–2020, *International Journal of Behavioral Nutrition and Physical Activity* volume 18, Article number: 44 (2021). <https://doi.org/10.1186/s12966-021-01109-8>
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- [35] Jared T. McGuirt, Qiang Wu, Melissa N. Laska, Kimberly P. Truesdale, Ann P. Rafferty, Ronny A. Bell, Alice S. Ammerman, Stephanie B. Jilcott Pitts (2020), Associations between shopping patterns, dietary behaviors, and Geographic Information System-assessed store accessibility among small food store customers, *Public Health Nutrition*, 2020 Dec 15;25(5):1-10. doi: 10.1017/S1368980020005017. Epub ahead of print. PMID: 33317649; PMCID: PMC9991690.
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- [40] Joseph G. Maliakkal, John Hicks, Mini Michael, David T. Selewski, Katherine Twombly, Michelle N. Rheault, Meredith Seamon, Jason M. Misurac, Cheryl L. Tran, Loretta Reyes, Joseph T. Flynn, Ali M. Onder, Alexandru R. Constantinescu, Vaishali Singh, Cynthia Pan, Abiodun Omoloja, Qiang Wu, William E. Smoyer, Guillermo Hidalgo, and Scott E. Wenderfer (2020), Renal Survival in Children with Glomerulonephritis with Crescents: A Pediatric Nephrology Research Consortium Cohort Study, *J Clin Med.* 2020 Aug; 9(8): 2385.
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[53] Stephanie Bell Jilcott Pitts, Lisa Jahns, Qiang Wu, Nancy E Moran, Ronny A Bell, Kimberly P Truesdale and Melissa N Laska (2018), A non-invasive assessment of skin carotenoid status through reflection spectroscopy is a feasible, reliable and potentially valid measure of fruit and vegetable consumption in a diverse community sample, *Public Health Nutrition*, doi:10.1017/S136898001700430X

[54] Stephanie Bell Jilcott Pitts, Qiang Wu, Jared T. McGuirt, Patricia A. Sharpe, Ann P. Rafferty (2018), Impact on Dietary Choices after Discount Supermarket Opens in Low-Income Community, *Journal of Nutrition Education and Behavior*, <https://doi.org/10.1016/j.jneb.2018.03.002>

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[57] Stephanie B. Jilcott Pitts, Qiang Wu, Kimberly P. Truesdale, Melissa N. Laska, Taras Grinchak, Jared T. McGuirt, Lindsey Haynes-Maslow, Ronny A. Bell and Alice S. Ammerman (2017), Baseline Assessment of a Healthy Corner Store Initiative: Associations between Food Store Environments, Shopping Patterns, Customer Purchases, and Dietary Intake in Eastern North Carolina, *International Journal of Environmental Research and Public Health*, 14, 1189; doi:10.3390/ijerph14101189

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[63] Adam C Celio, Qiang Wu, Kevin R Kasten, Mark L Manwaring, Walter J Pories, Konstantinos Spaniolas (2017), Comparative effectiveness of Roux-en-Y gastric bypass and sleeve gastrectomy in super obese patients, *Surgical Endoscopy*, 31(1): 317-323.

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- [75] Stephanie B Jilcott Pitts, Alison Gustafson, Qiang Wu, Mariel Leah Mayo, Rachel K Ward, Jared T McGuirt, Ann P Rafferty, Mandee F Lancaster, Kelly R Evenson, Thomas C Keyserling, and Alice S Ammerman (2014), Farmers market use is associated with fruit and vegetable consumption in diverse southern rural communities, *Nutrition Journal* 2014, 13:1.
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Book Chapter

- [1] Paul Vos and Qiang Wu (2018), Probability Essentials in Computational Analysis and Understanding of Natural Languages: Principles, Methods and Applications (1st Edition) (pp. 75 - 109), Ed. Venkat Gudivada and C.R. Rao, Volume 38 in Handbook of Statistics (pp. 2 - 512). North Holland, 2018.
- [2] Qiang Wu and Paul Vos (2018), Inference and Prediction in Computational Analysis and Understanding of Natural Languages: Principles, Methods and Applications (1st Edition) (pp. 111 - 172), Ed. Venkat Gudivada and C.R. Rao, Volume 38 in Handbook of Statistics (pp. 2 - 512). North Holland, 2018.

Presentations

- [1] Wu, Qiang and Vos, Paul (2019), Permutation Inference for Linear Regression and a Diagnostic Tool for CLT, IMS China 2019, Dalian, China, July 6 - 10, 2019.
- [2] Wu, Qiang and Vos, Paul (2018), Permutation Inference for Linear Regression and a Diagnostic Tool for CLT, ICSA 2018, QingDao, China, July 2 - 5, 2018.
- [3] Wu, Qiang and Vos, Paul (2017), Permutation Confidence Region for Regression Slopes and a Diagnostic Tool for the Central Limit Theorem, JSM 2017 meeting, Baltimore, MD, July 29 - August 3 2017.
- [4] Wu, Qiang and Vos, Paul (2016), Permutation inference distribution for linear regression and related models, International Chinese Statistical Association 2016 Symposium, Atlanta, GA.
- [5] Wu, Qiang and Yao, Weixin (2014), Relabeling mixture models via modal clustering, 2014 WNAR meeting, University of Hawaii, Honolulu, HI.
- [6] Wu, Qiang and Yao, Weixin (2013), Mixtures of quantile regressions, 2013 IMS-China meeting, Chengdu, China, June 30 - July 4.
- [7] Wu, Qiang and Vos, Paul (2012), Improving Distribution Estimators Under Kullback-Leibler Loss, 2012 JSM meeting, San Diego, USA
- [8] Wu, Qiang and Vos, Paul (2011), Decomposition of Kullback-Leibler risk and unbiasedness for parameter-free estimators, 2011 IMS-China Meeting, Xi'an, China.
- [9] Wu, Qiang and Vos, Paul (2010), Decomposition of Kullback-Leibler risk with applications to exponential families, 2010 Joint Statistical Meeting, Vancouver, Canada.

[10] Wu, Qiang and Vos, Paul (2010), Kullback-Leibler Risk of Estimators for Univariate Discrete Distributions in the Exponential Family, ENAR 2010 Spring Meetings, March 21-24, Hilton New Orleans Riverside, New Orleans, LA. (Travel grant awarded)

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Abstract submissions

[1] Giang Vu and Qiang Wu (2025), Adverse Childhood Experience and Dental Outcomes in US Adults, the 2025 AADOCR/CADR Annual Meeting & Exhibition, the Jacob K. Javits Center, New York City, New York, USA, March 13, 2025.

[2] Richman, A. R., Torres, E., Wu, Q., Al-Dajani, M., Flores, A. (2024). The role of dentists in HPV vaccination. [Poster presented at the 36th International Papillomavirus Conference, Edinburgh, UK]

[3] Sinan Sousan, Will Murray, Qiang Wu, and Jo Anne G. Balanay. Student assessment of PM2.5 concentration at ECU Transit bus stops using a low-cost aerosol monitor. National Academy of Sciences Transit Cooperative Research Program Project E-15 on Research Design for Air Management of Transit Buses, September 2024 (online).

[4] Kyle R. Busse, Kathryn I. Poppe, Qiang Wu, Stephanie B. Jilcott Pitts, Lindsey Haynes-Maslow, Alice S. Ammerman, Kathleen Krzyzanowski Guerra, Zoë Plakias, Andrew S. Hanks, Katharine Garrity, Rachel Gillespie, Bailey Houghtaling, Rebecca A. Seguin-Fowler, Jennifer A. Garner, Relationships between Household Food Sourcing Patterns and Food Security in Appalachian Ohio, the annual American Society for Nutrition conference, June, 2022.

[5] Kim, Y. J., Keith, M., Dickerson, A., Wu, Q., & Murphy, L. (2022, March). Forming new habits: An intervention to decrease sedentary behavior in medically stable older adults. 2022 American Occupational Therapy Association Annual Conference. San Antonio, TX.

[6] King, S., Collie, J., Grant, F., Beasley, N., Moss, M., Anderson, C., Wu, Q, and Gillone, A.. (2022, February). Teledentistry in the Management of Oral Lesion Consultations in a Rural Setting. Celebration of Research and Scholarship, February 2022, Greenville, NC, and SCDA 2022. Greenville, NC. National SCDA.

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- [9] Hieu M. Nguyen, Acela A. Martinez Luna, Stevan Thompson, Gerard A. Camargo, Chandler Conner, Will Grine, Dino JS Salvanera, Dominick Glavich, Qiang Wu, David W. Paquette, Alex Gillone. Prescription of opioids, and non-steroidal anti-inflammatory drugs at a U. S. Dental School. The 2021 IADR/AADR/CADR General Session, July 22, 2021.
- [10] Luo, H, Wu, Q., Wright, W, Bell, R. A., Garcia, R. I, and Quandt, S. A. (2020), Trends of Dental Services and Provider Types in the US in 2000-2016: Urban/rural comparisons, the 2020 IADR/AADR/CADR General Session & Exhibition, Washington, D.C., USA.
- [11] Richman, A. R., Torres, E., Wu, Q., Eldridge, D., Lawson, L., Thompson, C. (2019). An assessment of HPV health literacy and HPV vaccine recommendation best practices among physicians in North Carolina [Poster presented at the American Association of Public Health Annual Meeting and Exposition, Philadelphia, PA].
- [12] Paquette, D.W., Swift, C, Gillone, A., Martinez Luna, A., Gay, I., Camargo, G.A., Wu, Q., Bell, R., Keene, K.L., Moss, M., Periodontal Health Disparities among Adults in Rural North Carolina (2019), The 2019 IADR/AADR/CADR General Session & Exhibition in Vancouver, June 2019.
- [13] Diana Dai, Heng Hong, Qiang Wu (2019), The Value of Peritoneal Washing Cytology in Staging of Ovarian Tumor: A 16-Year Institutional Experience, 2019 USCAP Annual Meeting, National Harbor, Maryland, March 16 – 21, 2019.
- [14] Richman, A. R., Torres, E., Wu, Q., Mangan, S. (2018). Physician HPV health literacy: A review of medical school curricula for HPV-related content. [Poster presented at the International Conference on Communication in Healthcare, Porto, Portugal].
- [15] Huabin Luo, Shiv Patil, Qiang Wu, Ronny Bell, Doyle Cummings, PharmD, Alyssa Adams, Bertha Hambidge, Kay Craven and Fei Gao (2018), Validation of a new health literacy test for patients with Type 2 diabetes, American Public Health Association's 2018 Annual Meeting & Expo (Nov. 10 – Nov. 14) (Epidemiology).
- [16] Pitts S, Wu Q, Lyonnais MJ, Gray W. Preliminary impact of the Partnership to Improve Community Health farmers' market initiatives in rural eastern North Carolina. *2017 Annual Meeting of the American Public Health Association*. 2017.
- [17] Pitts S, Jahns L, Wu Q, Bell R, Laska MN. Feasibility, reliability, and validity of a noninvasive assessment of skin carotenoid status as a measure of dietary carotenoid consumption in a diverse community sample. *2017 Annual Meeting of the American Public Health Association*. 2017.
- [18] Howell, C., Jilcott Pitts, S. B., Wu, Q., Payne, C., Blitstein, J., Ng, SW. (2016-2017). *Associations Between Ego Depletion, Pester Power, Habit Strength, and Fruit, Vegetable, and Sugary Beverage Consumption in Online versus Brick-and-Mortar Grocery Shopping*. ECU Research and Creative Achievement, Greenville, North Carolina.
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- [20] Richman, A. R., Torres, E. T., Wu, Q., Carlston, L., & O'Rorke, S. (n.d.). *A randomized longitudinal intervention study to assess whether electronic messaging can increase HPV vaccine completion and knowledge among adolescents in eastern North Carolina*. American Public Health Association Annual Meeting. Atlanta, GA.
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- [22] Luo, H., Bell, R. A., Wright, W. G., & Wu, Q. (n.d.). Dental and other health care visits among adults with diabetes in North Carolina. Oral Presentation. North Carolina Public Health Association Fall Education Conference, September 28th, 2017, Asheville, NC.
- [23] Pitts, Stephanie Bell Jilcott, Lyonnais, Mary Jane, Whitt, Olivia Rachel, Rafferty, Ann Patricia, Wu, Qiang, Winterbauer, Nancy, Lisa Phillips, McGuirt, Jared Thomas (2016), What characteristics of farmers' markets promote greater fruit and vegetable purchase and consumption? The APHA 2016 Annual Meeting & Expo (Oct. 29 - Nov. 2), Denver, CO.
- [24] Konstantinos Spaniolas, Qiang Wu (2016), Comparative effectiveness of Roux-en-y gastric bypass and sleeve gastrectomy in super obese patients, the Scientific Session of the SAGES 2016 Annual Meeting, Boston, MA.
- [25] Shivajirao Patil, Robert J. Tanenberg, Sandra Hardee, Niti Armistead, Qiang Wu, Meredith Hollinger (2016), A Multidisciplinary Intervention Reduced Inpatient Hypoglycemia, the American Diabetes Association's 76th Scientific Sessions, June 10-14, 2016 in New Orleans, Louisiana.
- [26] Stephanie B Jilcott Pitts, Mariel Acheson, Rachel Ward, Qiang Wu, Jared McGuirt, Alice Ammerman, Zoning to support farmers' markets in rural and urban communities, the Food and Nutrition program of the 143th APHA Annual Meeting and Exposition (October 31 - November, 2015), Chicago, IL.
- [27] Brandon N. Kyle, Claude E. Davis, Jacob Thorp, Qiang Wu, Juan Fimhaber (2014), Relation of Battery for Health Improvement 2 Scores and Spinal Cord Stimulator Surgery, 2015 SBM Annual Meeting.
- [28] Laurel M. Wentz, Qiang Wu, Jerad D. Eldred, Peter C. Chambers, Cristóbal S. Berry-Cabán (2014), Correlation of Vitamin D with Testosterone Levels in Special Operations Personnel, the Womack Research Symposium, Fort Bragg, NC, May 14, 2014.
- [29] C. Ervin Davis, Brandon N. Kyle, Jacob Thorp, Qiang Wu (2014), Prediction of Spinal Cord Stimulator Trial for Patients with Chronic Low Back Pain, 35th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Philadelphia, PA.
- [30] Tijen Karsli, Jeffrey Livingston, Samuel H Pepkowitz, Qiang Wu, and Prem S Shekhawat (2014), Assessment Of Adrenal Function By Profiling Adrenal Glucocorticoid Precursors and their ratios Using Tandem Mass Spectrometry, 2014 PAS/ASPR Joint Meeting, Vancouver, CA.
- [31] Tijen Karsli, Diana M Strickland, Jeffrey Livingston, Qiang Wu, and Prem S Shekhawat (2014), Assessment of Adrenal Size Using High Resolution 2D Ultrasound Imaging And It's Correlation With Birth Demographics And Clinical Outcomes, 2014 PAS/ASPR Joint Meeting, Vancouver, CA.
- [32] Mary Kirkpatrick, Sylvia Brown, Elaine Scott, Qiang Wu (2014), Assessing and Improving Organizational Climate, Culture and Civility, Drexel University Nursing Education Institute 2014, Philadelphia, PA.
- [33] Zarana Bayona, MD. Robert J. Tanenberg, MD. Jennifer A. Sutter, MD. Qiang Wu, PhD. (2013), The Effect of Type I Diabetes Mellitus on Final Adult Height, the American Dental Association Conference, June 21 - 25, 2013, McCormick Place Convention Center (West Building), Chicago, IL.
- [34] Yaseen Mohiuddin, Heng Hong, Qiang Wu, and Ming Yin (2013), Immunohistochemical Study of The Epithelial-to-Mesenchymal Transition Phenotype in Renal Tumors, 2013 United States & Canadian Academy of Pathology Annual Meeting or 2013 Society for Pediatric Pathology Spring Meeting.
- [35] Ervin Davis, Hannah Fisher, Lora Smith, Jacob Thorp, Brandon Kyle, Wu, Qiang (2013), Comparison of pain, disability, and psychological distress in patients with chronic low back pain being evaluated for spinal cord stimulator implant or behavioral pain management, poster presentation at the 34th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, March 20-23, 2013, San Francisco, CA.

- [36] Hannah Fisher, Lora Smith, Jacob Thorp, C Ervin Davis, Brandon Kyle, Qiang Wu (2012), Comparison of patient characteristics referred for different treatments in patients with chronic low back pain, 2012 NCPTA Fall Poster Presentations.
- [37] Rongqin Ren, Miriam Wildeman, Ming Yin, Qiang Wu, and Heng Hong (2013), The Role of Peritoneal Washing Cytology in Pathologic Evaluation of Ovarian Tumors, 2013 United States & Canadian Academy of Pathology Annual Meeting or 2013 Society for Pediatric Pathology Spring Meeting.
- [38] Heng Hong and Qiang Wu (2012), Analysis of Risk Factors For Positive Surgical Margins in Prostatectomy for the Treatment of Prostate Cancer by Using a Logistic Regression Model, The Pathologists' Meeting CAP 2012, September 9-12.
- [39] Hong H, Hewan-Lowe K, Sun Y, Wu Q et al: Universal HIV screening for pregnant women in a remote area in Xinjiang Uyghur Autonomous Region of China. CAP Annual Meeting, Chicago, IL, 2010.
- [40] Heng Hong, Lin Mel, Jonathan Taylor, Qiang Wu, Hugh Reeves and Amanda Allan (2010), Effect Of Robotic-Assisted Laparoscopic Prostatectomy On Surgical Pathology Specimens, United States and Canadian Academy of Pathology.
- [41] Mark Mazer, Thomson Pancoast, Charles Banglely, and Qiang Wu (2010), A Simple Method to Enhance Use of Lower Tidal Volume Mechanical Ventilation, SCCM's 40th Critical Care Congress, January 15-19, 2011.
- [42] Davis, C. Ervin, Everhart, D. Erik, Hauf, Jessica D., Wu, Qiang and Highsmith, Jonathan (2010), EEG spectral changes with complex decision making and correlations with decision making behavioral performance and executive functioning, Society for Psychophysiological Research, 50th Annual Meeting, Portland, Oregon.
- [43] Mazer, Mark A., Alligood, Chad M., and Wu, Qiang (2009), The infusion of morphine during terminal withdrawal of mechanical ventilation in the medical intensive care unit, SCCM's 39th Critical Care Congress, January 9-12, 2009.
- [44] Mazer, Mark A., Barber, Laura, and Wu, Qiang (2009), Effect of head of bed angle on ventilator weaning parameters of mechanically ventilated patients, SCCM's 39th Critical Care Congress, January 9-12, 2009.
- [45] Mayne, Linda, Wu, Qiang and Bond, Diana (2008), Creating & Measuring Social Presence in Online Graduate Nursing Courses, the Council for the Advancement of Nursing Science (CANS) 2008 State of the Science Conference in Nursing Research October 2-4, 2008, Washington D C. (funded by 2007 NLN Nursing Research Education Grant)
- [46] Sweet, R.A., Henteleff, R.A., Wu, Q., Sampson, A.R., Lewis, D.A. (2007), Evidence of Reduced Dendritic Spine Density in Auditory Cortex of Subjects with Schizophrenia, for *the Society of Biological Psychiatry* annual meeting 2007.
- [47] Hashimoto, T., Bazmi, H.H., Mirnics, K., Wu, Q., Sampson, A.R., and Lewis, D.A. (2007), Regional survey of GABA-related gene expression in the neocortex of subjects with schizophrenia, for *the ICOSR* meeting 2007.
- [48] Hashimoto, T., Bazmi, H.H., Mirnics, K., Wu, Q., Sampson, A.R. and Lewis, D.A. (2006), Expression of GABA-Related Transcripts Across Cortical Regions in Subjects with Schizophrenia, for *the Society for Neuroscience* annual meeting 2006.

Participation in expert panels

Data Analytics at ENC, 2018 Big Data at Eastern North Carolina (ENC) Symposium, College of Business, East Carolina University, April 18, 2018

eTRACS Proposals and Awards

Completed

Proposal No:24-0761 - Supplement to: 23-0309 - More PEAS Please! Building a Partnership for Science Education with Teachers and Underrepresented Minority Preschool Subaward from NCSU, Funded by North Carolina State University (NCSU) (May 1, 2024 - May 31, 2024), awarded November 23, 2022 (**\$121,719.48**), Completed, Summer 2024, Senior/Key Participant Qiang Wu with PI Archana Hegde, CoInvestigator Tammy Lee, Senior/Key Participant Jocelyn Dixon [Total Anticipated Funding: 121719.48]

Proposal No:23-0309 - More PEAS Please! Building a Partnership for Science Education with Teachers and Underrepresented Minority Preschool Subaward from NCSU, Funded by North Carolina State University (NCSU) (December 1, 2022 - May 31, 2025), awarded November 23, 2022 (**\$121,719.48**), Funded - In Progress, Summer 2024, Senior/Key Participant Qiang Wu with CoInvestigator Tammy Lee, Senior/Key Participant Jocelyn Dixon, PI Archana Hegde [Total Anticipated Funding: 121719.48]

Proposal No:22-0841 - Dr. Wu's CDC IPA, Funded by DHHS - Centers for Disease Control and Prevention (CDC) (June 1, 2022 - June 30, 2023), awarded September 6, 2022 (**\$42,424.19**), Completed, Summer 2023, PI Qiang Wu [Total Anticipated Funding: 42424.19] [Type of Grant (CHESS Code): Other]

Proposal No:21-0018 - Exploring vaccine confidence and uptake of potential COVID-19 vaccines among a cross-section of US healthcare providers and key at-risk subgroups in the rural south, Funded by Merck Sharp & Dohme (December 23, 2020 - March 31, 2023), awarded February 10, 2021 (**\$283,877.30**), Completed, Spring 2023, CoInvestigator Qiang Wu with PI Alice Richman, CoPI Essie Torres [Total Anticipated Funding: 283877.30]

Proposal No:20-1025 - Dr. Mark Moss' DentaQuest Partnership Proposal, Funded by DentaQuest Partnership for Oral Health Advancement, LLC (July 1, 2020 - May 1, 2023), awarded June 10, 2020 (**\$52,078.70**), Completed, Spring 2023, CoPI Qiang Wu with PI Mark Moss [Total Anticipated Funding: 52078.70]

Proposal No:18-0217 - Rural Urban Disparities and Determinants of Dental Services and Provider Mix, Funded by DHHS - NIH/National Institute of Dental and Craniofacial Research (NIDCR) (July 1, 2020 - June 30, 2021), awarded April 9, 2020, Completed, Summer 2021, CoInvestigator Qiang Wu with CoInvestigator Ronny Bell, PI Huabin Luo, CoInvestigator Wanda Wright [Total Anticipated Funding: 0.00]

Proposal No:18-0108 - Feasibility of an enhanced educational curriculum for medical students aimed at increasing HPV health literacy and skills in providing primary HPV-related cancer prevention, Funded by Merck Research Laboratories (September 1, 2017 - December 31, 2020), awarded August 27, 2020, Completed, Fall 2020, CoInvestigator Qiang Wu with CoInvestigator Essie Torres, PI Alice Richman [Total Anticipated Funding: 0.00]

Proposal No:15-0038 - Partners in Community Health Evaluation-ARHS, Funded by Albemarle Regional Health Services (September 30, 2014 - June 30, 2017), awarded February 8, 2017 (**\$137,677.00**), Completed, Summer 2017, CoPI Qiang Wu with PI Stephanie Pitts, CoPI Nancy Winterbauer, CoPI Ann Rafferty [Total Anticipated Funding: 137677.00] [Type of Grant (CHESS Code): Other]

Proposal No:14-0550 - NC CTG Farmer's Market Evaluation, Funded by University of North Carolina at Chapel Hill (UNC-CH) (December 1, 2012 - September 30, 2016), awarded September 11, 2014 (**\$14,841.00**), Completed, Fall 2016, CoPI Qiang Wu with PI Stephanie Pitts, CoPI Samantha Lancaster [Total Anticipated Funding: 14841.00]

Proposal No:15-0617 - Pirates for HEALTH: Healthy Eating, Active Living Through Hybrid Interventions, Funded by University of North Carolina at Chapel Hill (UNC-CH) (July 1, 2015 - June 30, 2016), awarded July 15,

2015 (**\$39,992.00**), Completed, Summer 2016, CoPI Qiang Wu with PI Bhibha Das, CoPI Stephanie Pitts, CoPI Lesley Lutes [Total Anticipated Funding: 39992.00]

Proposal No:14-0593 - The effectiveness of the Interactive Metronome with Healthy Aging Adult: a Longitudinal Study, Funded by Interactive Metronome, Inc. (May 1, 2014 - April 30, 2016), awarded November 5, 2014 (**\$59,175.00**), Completed, Spring 2016, CoPI Qiang Wu with PI Leonard Trujillo [Total Anticipated Funding: 59175.00]

Proposal No:11-1164 - Cell-Cell Junction Proteins as Biomarker Cluster for Prostate Cancer, Funded by N.C. Biotechnology Center (January 15, 2012 - August 31, 2014), awarded January 2, 2014 (**\$250,000.00**), Completed, Fall 2014, CoPI Qiang Wu with CoPI Heng Hong, CoPI Art Rodriguez, PI Qun Lu [Total Anticipated Funding: 250000.00]

Proposal No:10-9240 - Development and Validation of Pavement Deterioration Models and Analysis of Weig, Funded by North Carolina Department of Transportation (August 16, 2010 - August 15, 2012), awarded June 4, 2010 (**\$114,416.00**), Completed, Summer 2012, CoPI Qiang Wu with CoPI George Wang, PI Yuhong Wang [Total Anticipated Funding: 114416.00]

Funded - In Progress

Proposal No:23-0554 - A Multi-Level Approach to Prevent Obesity: Extension and Engagement in Across Eastern North Carolina, Funded by North Carolina State University (NCSU) (August 30, 2023 - September 29, 2025), awarded April 18, 2024 (**\$92,564.00**), Funded - In Progress, Fall 2024, CoInvestigator Qiang Wu with PI Stephanie Pitts [Total Anticipated Funding: 92564.00]

Proposal No:24-0251 - Examining associations between fruit and vegetable intake, skin carotenoids, and inflammation among racially and ethnically diverse participants., Funded by Brody Brothers' Foundation (January 1, 2024 - April 30, 2025), awarded January 29, 2024 (**\$44,638.00**), Funded - In Progress, Fall 2024, CoPI Qiang Wu with PI Stephanie Pitts [Total Anticipated Funding: 44638.00]

Proposal No:23-0077 - Speech and Language in African American Children and Adults, Funded by Bill and Melinda Gates Foundation (January 1, 2023 - December 31, 2025), awarded November 16, 2022 (**\$234,521.30**), Funded - In Progress, Summer 2024, CoInvestigator Qiang Wu with PI Yolanda Holt [Total Anticipated Funding: 234521.30]

Proposal No:24-0856 - Speech and Language in African American Children and Adults (Supplement), Funded by Bill and Melinda Gates Foundation (July 1, 2024 - December 31, 2025), awarded November 16, 2022 (**\$234,521.30**), Funded - In Progress, Summer 2024, CoInvestigator Qiang Wu with PI Yolanda Holt [Total Anticipated Funding: 234521.30]

Proposal No:23-0484 - Mitochondrial bioenergetics and colorectal cancer, Funded by DHHS - National Institutes of Health (NIH) (February 19, 2024 - January 31, 2025), awarded March 13, 2024 (**\$582,099.90**), Funded - In Progress, Spring 2024, CoInvestigator Qiang Wu with CoInvestigator Joseph McClung, PI Kelsey Fisher-Wellman, CoInvestigator Nasreen Vohra, CoInvestigator Karen Litwa [Total Anticipated Funding: 582099.90]

Proposal No:21-0035 - Soft and Hard Tissue Changes Around Implants Using Customized CAD/CAM Healing Abutments, Funded by AAIDF - American Academy of Implant Dentistry Foundation (January 1, 2021 - December 31, 2024), awarded August 10, 2021 (**\$24,950.00**), Funded - In Progress, Fall 2023, CoInvestigator Qiang Wu with CoInvestigator Alex Vadati, CoInvestigator Alex Gillone, CoInvestigator Hanan Elgendy, PI Acela Martinez Luna [Total Anticipated Funding: 24950.00]

Proposal No:18-0664 - Examining Validity and Sensitivity of Pressure-Mediated Reflection Spectroscopy as a measure of fruit and vegetable consumption in a diverse populations, Funded by DHHS - NIH/National Heart, Lung and Blood Institute (NHLBI) (June 1, 2020 - May 31, 2024), awarded April 21, 2020 (\$1,932,181.00), Funded - In Progress, Summer 2023, CoInvestigator Qiang Wu with CoInvestigator Ronny Bell, PI Stephanie Pitts [Total Anticipated Funding: 1932181.00] [Type of Grant (CHES Code): Clinical Trial]

Proposal No:21-0019 - The role of dentists in HPV vaccination: Building the infrastructure between co-located dental practices and federally qualified health centers to facilitate HPV vaccination uptake, Funded by Merck Sharp & Dohme (November 1, 2020 - December 31, 2024), awarded December 22, 2020 (\$312,148.00), Funded - In Progress, Spring 2021, CoInvestigator Qiang Wu with PI Alice Richman, PI Essie Torres, CoInvestigator Mahmoud Al-Dajani, CoInvestigator Andres Flores [Total Anticipated Funding: 312148.00]

Proposal No:19-0074 - Examining the impact of North Carolina's Statewide Healthy Food Small Retailer Policy on diet-related outcomes in rural food deserts, Funded by Robert Wood Johnson Foundation (RWJF) (December 15, 2018 - December 14, 2020), awarded November 26, 2018 (\$250,000.00), Funded - In Progress, Fall 2018, CoPI Qiang Wu with CoPI Ann Rafferty, PI Stephanie Pitts [Total Anticipated Funding: 250000.00]

Submitted - Not Funded

Proposal No:24-0451 - Child Health After Maternal Physical activity (CHAMPS), Funded by DHHS - National Institutes of Health (NIH) (January 1, 2025 - December 31, 2029), Submitted - Not Funded, Spring 2025, CoInvestigator Qiang Wu with CoInvestigator Katrina DuBose, CoInvestigator Amy Gross McMillan, CoInvestigator David Collier, CoInvestigator Oyinlola Babatunde, CoInvestigator Nicholas Broskey, CoInvestigator James deVente, PI Linda May, CoInvestigator Joseph Houmard

Proposal No:24-0828 - Evaluating External Validity of Pressure-Mediated Reflection Spectroscopy as a Dietary Biomarker of Fruit and Vegetable Intake among Diverse Populations at-Risk for Chronic Disease, Funded by DHHS - National Institutes of Health (NIH) (April 1, 2025 - March 31, 2030), Submitted - Not Funded, Spring 2025, CoInvestigator Qiang Wu with PI Stephanie Pitts

Proposal No:25-0152 - A Transportation Equity Solution for Vulnerable Older Adults in Rural NC, Funded by AARP (January 1, 2025 - December 31, 2027), Submitted - Not Funded, Spring 2025, Senior/Key Participant Qiang Wu with PI Abby Schwartz, CoPI Alice Richman

Proposal No:22-0742 - Integrating Screening, Brief Intervention, and Referral to Treatment (SBIRT) for Opioid Use Disorder into an Academic Dental Practice Network., Funded by DHHS - NIH/National Institute of Dental and Craniofacial Research (NIDCR) (January 1, 2023 - December 31, 2028), Submitted - Not Funded, Fall 2024, CoInvestigator Qiang Wu with PI Kathleen Egan, PI David Paquette, CoInvestigator Mark Moss, PI Alice Richman, CoInvestigator Andres Flores

Proposal No:23-0722 - Generation of a cell-type specific bioenergetic atlas of human tumors, Funded by CZI - Chan Zuckerberg Initiative (December 1, 2023 - November 30, 2025), Submitted - Not Funded, Fall 2024, CoInvestigator Qiang Wu with CoPI Nasreen Vohra, PI Kelsey Fisher-Wellman, CoPI Darla Liles

Proposal No:23-0706 - Improving DSMES Completion in Rural Communities: A Stakeholder-Informed Health Coaching Strategy to Promote Health Equity, Funded by DHHS - NIH/National Institute on Minority Health and Health Disparities (NIMHD) (April 1, 2024 - March 31, 2026), Submitted - Not Funded, Fall 2024, CoInvestigator Qiang Wu with CoInvestigator Nancy Winterbauer, CoInvestigator Shivajirao Patil, CoInvestigator Doyle Cummings, CoInvestigator Lei Xu, PI Huabin Luo

Proposal No:22-0070 - Leveraging cancer specific OXPLOS regulation to predict/combat chemotherapy resistance in acute myeloid leukemia, Funded by DOD - Department of the Army (ARMY) (June 1, 2022 - May 31, 2026), Submitted - Not Funded, Summer 2024, CoInvestigator Qiang Wu with CoInvestigator Myles Cabot, CoInvestigator Joseph McClung, CoInvestigator Darla Liles, PI Kelsey Fisher-Wellman

Proposal No:22-0641 - Leveraging cancer bioenergetics to counteract treatment resistance in acute myeloid leukemia, Funded by ACS - American Cancer Society (January 1, 2023 - December 31, 2026), Submitted - Not Funded, Summer 2024, CoInvestigator Qiang Wu with CoInvestigator Darla Liles, CoInvestigator Joseph McClung, CoInvestigator Myles Cabot, PI Kelsey Fisher-Wellman

Proposal No:24-0026 - Evaluating external validity of pressure-mediated reflection spectroscopy as a dietary biomarker of fruit and vegetable intake among diverse populations at-risk for chronic disease, Funded by DHHS - National Institutes of Health (NIH) (July 1, 2024 - June 30, 2029), Submitted - Not Funded, Spring 2024, CoInvestigator Qiang Wu with PI Stephanie Pitts

Proposal No:24-0157 - Stress and Hyperinflammatory Phenotype (SHIP) Study of Oral and Systemic Health among Black/African American Adults from Eastern North Carolina, Funded by DHHS - National Institutes of Health (NIH) (July 1, 2024 - June 30, 2029), Submitted - Not Funded, Spring 2024, CoInvestigator Qiang Wu with CoInvestigator Ford Grant, CoInvestigator Wanda Wright, CoInvestigator David Paquette, CoInvestigator Carol Anderson, CoInvestigator Samuel Sears, CoInvestigator Megumi Williamson, PI Ikramuddin Aukhil, CoInvestigator Mark Moss

Proposal No:22-0236 - Person-Centered Long-Term Care and Positive Outcomes for People Living with Dementia, Funded by DHHS - NIH/National Institute on Aging (NIA) (July 1, 2022 - June 30, 2024), Submitted - Not Funded, Fall 2023, CoInvestigator Qiang Wu with PI Rashmita Basu, CoInvestigator Huabin Luo

Proposal No:23-0744 - Development and validation of a nutrition security measure to address cardiometabolic health disparities, Funded by DHHS - National Institutes of Health (NIH) (April 1, 2024 - March 31, 2028), Submitted - Not Funded, Fall 2023, CoInvestigator Qiang Wu with PI Stephanie Pitts, CoInvestigator Oyinlola Babatunde

Proposal No:21-0262 - Understanding the role of personal networks of US-born and foreign-born adults in cancer screening adherence, Funded by DHHS - National Institutes of Health (NIH) (July 1, 2021 - June 30, 2023), Submitted - Not Funded, Summer 2023, CoInvestigator Qiang Wu with PI Leslie Cofie

Proposal No:23-0084 - Targeting mitochondria in refractory acute myeloid leukemia, Funded by DOD - Department of the Army (ARMY) (June 1, 2023 - May 31, 2026), Submitted - Not Funded, Spring 2023, CoInvestigator Qiang Wu with CoInvestigator Debajit Bhowmick, CoInvestigator Myles Cabot, CoInvestigator Darla Liles, CoInvestigator Cameron Schmidt, PI Kelsey Fisher-Wellman

Proposal No:23-0092 - Development and validation of a nutrition security measure to address cardiometabolic health disparities, Funded by DHHS - National Institutes of Health (NIH) (July 1, 2023 - June 30, 2028), Submitted - Not Funded, Spring 2023, CoInvestigator Qiang Wu with PI Stephanie Pitts, CoInvestigator Oyinlola Babatunde

Proposal No:22-0759 - ECU STEER - SARS-CoV-2 research & Transformative Engagement to Enhance community Representation in biomedical research., Funded by DHHS - NIH/National Institute of Dental and Craniofacial Research (NIDCR) (May 1, 2023 - April 30, 2028), Submitted - Not Funded, Fall 2022, CoInvestigator Qiang Wu with PI Vanessa Pardi, PI Ramiro Murata, PI Kristin Black, CoInvestigator Keith Keene, PI Rachel Roper, PI Mark Moss

Proposal No:21-0503 - Investigating DSMES completion barriers and facilitators to improve diabetes care in Medicaid recipients, Funded by DHHS - National Institutes of Health (NIH) (September 1, 2021 - August 31, 2023), Submitted - Not Funded, Fall 2022, CoInvestigator Qiang Wu with CoInvestigator Shivajirao Patil, PI Huabin Luo, CoInvestigator Lei Xu, CoInvestigator Nancy Winterbauer

Proposal No:21-0543 - Hypertension Related Engagement Support Technology (H-REST): A community-based healthy lifestyle support system for engaging and empowering young adults at risk for high blood pressure, Funded by DHHS - Agency for Healthcare Research and Quality (AHRQ) (September 1, 2021 - August 31, 2023), Submitted - Not Funded, Fall 2022, CoInvestigator Qiang Wu with CoInvestigator Oyinlola Babatunde, CoInvestigator Linda Bolin, PI Oghale Asagbra

Proposal No:22-0430 - Comparison of Peri-implant Microbiome in Patients Treated with Implant-supported Fixed Complete Dental Prostheses versus Implant-retained Overdenture, Funded by Osseointegration Foundation (April 1, 2022 - March 31, 2023), Submitted - Not Funded, Summer 2022, Senior/Key Participant Qiang Wu with CoInvestigator Maged Abdelaal, PI Xiaoxi Cui, CoInvestigator Moamen Sheba, CoInvestigator Alex Gillone, CoInvestigator Acela Martinez Luna

Proposal No:22-0455 - Center of Excellence, Funded by DHHS - HRSA/Bureau of Health Workforce (BHW) (July 1, 2022 - June 30, 2027), Submitted - Not Funded, Summer 2022, Other Qiang Wu with Other Jo Anne Murray, CoInvestigator Mark Moss, CoInvestigator Azeez Aileru, Other Vanessa Pardi, Other Keith Keene, CoInvestigator Margaret Wilson, PI Wanda Wright [Type of Grant (CHESS Code): Other]

Proposal No:22-0120 - Oral Microbiome in Older Adults with Periodontitis Recruited from Diverse Rural Communities, Funded by DHHS - NIH/National Institute of Dental and Craniofacial Research (NIDCR) (July 1, 2022 - June 30, 2024), Submitted - Not Funded, Spring 2022, CoInvestigator Qiang Wu with PI David Paquette, PI Ramiro Murata, CoInvestigator Vanessa Pardi

Proposal No:20-1790 - Investigating DSME completion barriers and facilitators to improve diabetes care in Medicaid recipients, Funded by DHHS - National Institutes of Health (NIH) (July 1, 2021 - June 30, 2023), Submitted - Not Funded, Spring 2022, CoInvestigator Qiang Wu with CoInvestigator Nancy Winterbauer, CoInvestigator Lei Xu, CoInvestigator Shivajirao Patil, PI Ronny Bell, PI Huabin Luo

Proposal No:22-0063 - Impact of implantoplasty on surface roughness and fracture resistance of yttria-stabilized zirconia (ceramic) and titanium-zirconia alloy implants., Funded by ITI - International Team for Implantology (April 1, 2022 - March 31, 2023), Submitted - Not Funded, Fall 2021, CoInvestigator Qiang Wu with PI Alex Gillone, CoInvestigator David Paquette, CoInvestigator Acela Martinez Luna, CoInvestigator Maged Abdelaal, CoInvestigator Saulo Geraldelli, CoInvestigator Moamen Sheba

Proposal No:21-0697 - Elucidating potential targets for chemoprevention of oral cancer, Funded by DHHS - NIH/National Institute of Dental and Craniofacial Research (NIDCR) (April 1, 2022 - March 31, 2024), Submitted - Not Funded, Fall 2021, CoInvestigator Qiang Wu with CoInvestigator David Paquette, PI Andres Flores

Proposal No:21-0925 - The effects of a dyadic versus caregiver targeted music therapy program on quality of life and emotional well-being of persons with dementia and their caregivers, Funded by RRF - Retirement Research Foundation (September 1, 2021 - August 31, 2023), Submitted - Not Funded, Fall 2021, CoInvestigator Qiang Wu with PI Rashmita Basu, CoPI Adrienne Steiner-Brett, CoInvestigator Donna Roberson

Proposal No:21-0488 - Oral Microbiome and Immune Responses among African Americans and Hispanic/Latinos with Periodontitis from Rural Communities, Funded by DHHS - National Institutes of Health (NIH) (April 1,

2022 - March 31, 2024), Submitted - Not Funded, Fall 2021, CoInvestigator Qiang Wu with CoInvestigator Mark Moss, PI Ramiro Murata, PI David Paquette, CoInvestigator Essie Torres

Proposal No:20-1032 - Hypertension Related Engagement Support Technology (H-REST): A community-based decision support system for engaging young adults at risk for high blood pressure in their communities, Funded by DHHS - Agency for Healthcare Research and Quality (AHRQ) (October 1, 2020 - September 30, 2022), Submitted - Not Funded, Summer 2021, CoInvestigator Qiang Wu with PI Oghale Asagbra, CoInvestigator Oyinlola Babatunde, CoInvestigator Linda Bolin

Proposal No:21-0193 - Age-Related Differences in the Oral Microbiome and Immune Responses in Patients with Periodontitis, Funded by DHHS - National Institutes of Health (NIH) (July 1, 2021 - June 30, 2023), Submitted - Not Funded, Spring 2021, CoInvestigator Qiang Wu with PI David Paquette, PI Ramiro Murata, CoInvestigator Rachel Roper

Proposal No:21-0050 - Early Detection of COVID-19 in the Underserved Dental Care Setting, Funded by DHHS - National Institutes of Health (NIH) (November 1, 2020 - October 31, 2025), Submitted - Not Funded, Spring 2021, CoInvestigator Qiang Wu with CoInvestigator David Paquette, CoInvestigator Ramiro Murata, PI Rachel Roper, PI Mark Moss

Proposal No:20-0239 - Investigating DSME completion barriers and facilitators to improve diabetes care in Medicaid recipients, Funded by National Institutes of Health (NIH) (July 1, 2020 - June 30, 2022), Submitted - Not Funded, Spring 2021, CoPI Qiang Wu with PI Huabin Luo, CoPI Xiaoming Zeng, CoPI Lei Xu, CoPI Nancy Winterbauer, CoPI Ronny Bell

Proposal No:20-0030 - Epigenetic and social determinants contributing to disparities in periodontal disease, diabetes, and cardiovascular disease, Funded by National Institutes of Health (NIH) (August 1, 2020 - July 31, 2025), Submitted - Not Funded, Spring 2021, CoPI Qiang Wu with CoPI Michael Brewer, CoPI Ronny Bell, CoPI Acela Martinez Luna, CoPI Charles Ellis, PI Keith Keene, CoPI Mark Moss, CoPI David Paquette

Proposal No:21-0173 - Technology Transfer Initiative for Detection of COVID using Breath Samples (T2 ID COVID Breath), Funded by DHHS - National Institutes of Health (NIH) (December 1, 2020 - November 30, 2022), Submitted - Not Funded, Spring 2021, CoInvestigator Qiang Wu with CoInvestigator Molly Jacobs, PI Mark Moss, CoInvestigator David Paquette, CoInvestigator Paul Cook, CoInvestigator Alex Vadati, CoInvestigator Rachel Roper, CoInvestigator Ramiro Murata

Proposal No:19-0662 - Telepractice versus in-person delivery of dysphagia therapy for rural stroke survivors, Funded by National Institutes of Health (NIH) (December 1, 2019 - November 30, 2021), Submitted - Not Funded, Fall 2020, CoPI Qiang Wu with PI Balaji Rangarathnam [Type of Grant (CHESS Code): Clinical Trial]

Proposal No:21-0064 - Dr. Flores Elsa U Pardee Foundation Proposal, Funded by Elsa U Pardee Foundation (January 1, 2021 - December 31, 2021), Submitted - Not Funded, Fall 2020, CoInvestigator Qiang Wu with PI Andres Flores, CoInvestigator David Paquette

Proposal No:19-0958 - Feasibility of concomitant HPV vaccination and screening strategies among a rural women ages 27-45 in eastern North Carolina, Funded by Merck & Co., Inc. (October 1, 2019 - September 30, 2021), Submitted - Not Funded, Fall 2020, CoPI Qiang Wu with CoPI Haiyong Liu, PI Essie Torres, CoPI Alice Richman

Proposal No:20-1570 - Impact of implantoplasty on surface roughness and fracture resistance of yttria-stabilized zirconia (ceramic) and titanium-zirconia alloy implants, Funded by Straumann (July 1, 2020 - June 30, 2021),

Submitted - Not Funded, Summer 2020, CoInvestigator Qiang Wu with PI Alex Gillone, CoInvestigator Saulo Geraldini, CoInvestigator David Paquette, CoInvestigator Acela Martinez Luna

Proposal No:17-0546 - Examining validity of a non-invasive biomarker of carotenoid consumption in a diverse community sample, Funded by International Life Sciences Institute (ILSI) (June 1, 2017 - May 31, 2018), Submitted - Not Funded, Spring 2020, CoPI Qiang Wu with CoPI Ronny Bell, PI Stephanie Pitts

Proposal No:17-0547 - Evaluating impact of state and federal healthy food retail legislation on rural economies, diabetogenic community characteristics and diet (Component A), Funded by University of North Carolina at Chapel Hill (UNC-CH) (September 30, 2017 - September 29, 2022), Submitted - Not Funded, Spring 2020, CoPI Qiang Wu with CoPI Ronny Bell, PI Stephanie Pitts, CoPI Ann Rafferty

Proposal No:19-0347 - Targeting cisplatin neuropathy in a syngeneic tumor mouse model, Funded by National Institutes of Health (NIH) (July 1, 2019 - June 30, 2024), Submitted - Not Funded, Spring 2020, CoPI Qiang Wu with CoPI Yan-Hua Chen, PI Qun Lu, CoPI Paul Walker

Proposal No:19-0258 - Rural and poverty stressors as modifiers of epigenomes and human health, Funded by National Institutes of Health (NIH) (July 1, 2019 - June 30, 2024), Submitted - Not Funded, Spring 2020, CoPI Qiang Wu with CoPI Michael Brewer, PI Keith Keene, CoPI Doyle Cummings, CoPI Ronny Bell, CoPI Essie Torres, CoPI David Paquette, CoPI Acela Martinez Luna, CoPI Mark Moss

Proposal No:19-0017 - Examining Validity and Sensitivity of Pressure-Mediated Reflection Spectroscopy as a measure of fruit and vegetable consumption in a diverse populations, Funded by NIH National Heart, Lung, and Blood Institute (NHLBI) (June 1, 2019 - May 31, 2023), Submitted - Not Funded, Spring 2020, CoPI Qiang Wu with PI Stephanie Pitts, CoPI Ronny Bell

Proposal No:18-0223 - The Impact of Blood Based Testing for Genomic Mutations in Patients with Non- Small Lung Cancer in a Thoracic Oncology Program, Funded by UNC-CH Lineberger Comprehensive Cancer Center (January 1, 2018 - December 31, 2018), Submitted - Not Funded, Spring 2020, Senior/Key Participant Qiang Wu with PI Mark Bowling

Proposal No:18-0747 - Evaluating the efficacy of web-based autism genetics training modules for parents of children with autism spectrum disorder, Funded by National Institutes of Health (NIH) (May 16, 2019 - May 15, 2021), Submitted - Not Funded, Spring 2020, CoPI Qiang Wu with PI Lei Xu, CoPI Essie Torres, CoPI Alice Richman, CoPI Huabin Luo

Proposal No:20-0144 - Prediabetes-Periodontal Disease (PD2) Cohort Study Involving Adults from Rural Communities, Funded by National Institutes of Health (NIH) (July 1, 2020 - June 30, 2025), Submitted - Not Funded, Spring 2020, CoPI Qiang Wu with CoPI Shivajirao Patil, CoPI Alex Gillone, PI David Paquette, CoPI Doyle Cummings, CoPI Mark Moss

Proposal No:19-0322 - Investigating the role of social determinants on participation in Diabetes Self-Management Education and Support, (DSME/S), Self-efficacy, diabetes self-management behaviors, outcomes, and costs, Funded by National Institutes of Health (NIH) (July 1, 2019 - June 30, 2022), Submitted - Not Funded, Spring 2020, CoPI Qiang Wu with CoPI Lei Xu, CoPI Nancy Winterbauer, CoPI Xiaoming Zeng, PI Huabin Luo, CoPI Ronny Bell

Proposal No:17-0515 - Examining Validity and Sensitivity of Pressure-Mediated Reflection Spectroscopy as a measure of carotenoid-containing fruit and vegetable consumption in a diverse community sample, Funded by

National Institutes of Health (NIH) (July 1, 2018 - June 30, 2022), Submitted - Not Funded, Spring 2020, CoPI Qiang Wu with PI Stephanie Pitts, CoPI Ronny Bell

Proposal No:16-0841 - Examining the impact of online shopping and healthy primes to reduce unhealthy impulse purchases among low-income caregivers, Funded by Robert Wood Johnson Foundation (RWJF) (November 15, 2016 - May 14, 2018), Submitted - Not Funded, Fall 2019, CoPI Qiang Wu with PI Stephanie Pitts [Type of Grant (CHESS Code): Other]

Proposal No:16-0106 - Rural Urban Disparities and Determinants of Dental Services and Provider Mix, Funded by National Institutes of Health (NIH) (October 1, 2016 - September 30, 2018), Submitted - Not Funded, Fall 2019, CoPI Qiang Wu with CoPI Hope Landrine, PI Gloria Mejia Delgado, CoPI Huabin Luo

Proposal No:16-0836 - Healthy Steps to Weight Loss, Funded by NIH National Heart, Lung, and Blood Institute (NHLBI) (January 1, 2017 - December 31, 2019), Submitted - Not Funded, Fall 2019, CoPI Qiang Wu with PI Robert Carels, CoPI Melani Duffrin, CoPI Damon Swift [Type of Grant (CHESS Code): Clinical Trial]

Proposal No:18-0762 - Interactive Survivorship Care Plans to Support Breast Cancer Survivors using a Personalized Web-Based Educational and Self-Management Tool, Funded by National Institutes of Health (NIH) (April 1, 2019 - March 31, 2021), Submitted - Not Funded, Fall 2019, CoPI Qiang Wu with PI Akshat Kapoor, CoPI Ann Schreier

Proposal No:17-0527 - Healthy Steps to Weight Loss, Funded by National Institutes of Health (NIH) (August 1, 2017 - July 31, 2020), Submitted - Not Funded, Fall 2019, CoPI Qiang Wu with CoPI Melani Duffrin, CoPI Damon Swift, PI Robert Carels [Type of Grant (CHESS Code): Clinical Trial]

Proposal No:18-0233 - Evaluating the efficacy of an enhanced training curricula for dental students to increase HPV-related oropharyngeal cancer knowledge and intention to engage in primary and secondary prevention, Funded by National Institutes of Health (NIH) (July 1, 2018 - June 30, 2021), Submitted - Not Funded, Fall 2019, CoPI Qiang Wu with CoPI Alice Richman, CoPI Wanda Wright, PI Essie Torres, CoPI Hope Landrine

Proposal No:18-0792 - Periodontal Disease, Prediabetes and Incident Type 2 Diabetes in Adults Seeking Dental Care in Rural North Carolina and Wisconsin, Funded by National Institutes of Health (NIH) (April 1, 2019 - March 31, 2024), Submitted - Not Funded, Fall 2018, CoPI Qiang Wu with PI David Paquette, CoPI Mark Moss, CoPI Shivajirao Patil, CoPI Doyle Cummings, CoPI Isabel Gay

Proposal No:19-0170 - Heavy Metal Elements in Extracted and Exfoliated Teeth - ECU Tooth Fairy Project, Funded by NCSU Center for Human Health and the Environment (November 15, 2018 - November 14, 2019), Submitted - Not Funded, Fall 2018, Senior/Key Participant Qiang Wu with PI Anne Spuches, CoPI Gregory Kearney, Senior/Key Participant Jack Pender, CoPI Mark Moss

Proposal No:18-0508 - Legislation to improve small store food environments: Examining the impact of North Carolina's Statewide Healthy Food Small Retailer Program on obesity-related dietary outcomes, Funded by National Institutes of Health (NIH) (September 1, 2018 - August 31, 2023), Submitted - Not Funded, Summer 2018, CoPI Qiang Wu with PI Stephanie Pitts, CoPI Ann Rafferty, CoPI Ronny Bell

Proposal No:18-0439 - Examining the impact of a text-messaging intervention with linkages to local food and physical activity opportunities on obesity prevention behaviors among low-income, rural women and their children, Funded by DHHS Health Resources and Services Administration (HRSA) (July 1, 2018 - June 30, 2021), Submitted - Not Funded, Summer 2018, CoPI Qiang Wu with CoPI Linda May, PI Stephanie Pitts

Proposal No:17-0585 - Rural Urban Disparities and Determinants of Dental Services and Provider Mix, Funded by NIH National Institute of Dental and Craniofacial Research (NIDCR) (July 1, 2017 - June 30, 2019), Submitted - Not Funded, Spring 2018, CoPI Qiang Wu with PI Huabin Luo, CoPI Ronny Bell, CoPI Wanda Wright

Proposal No:17-0912 - Legislation to improve small store food environments: Evaluation of North Carolina's Healthy Food Small Retailer Program (House Bill 1030 Section 13.4), Funded by National Institutes of Health (NIH) (December 1, 2017 - November 30, 2022), Submitted - Not Funded, Spring 2018, CoPI Qiang Wu with CoPI Ann Rafferty, CoPI Ronny Bell, PI Stephanie Pitts

Proposal No:17-0626 - Feasibility of an enhanced educational curriculum for dental students aimed at increasing their role in primary and secondary HPV-related oropharyngeal cancer prevention, Funded by National Institutes of Health (NIH) (September 1, 2017 - August 31, 2020), Submitted - Not Funded, Spring 2018, CoPI Qiang Wu with CoPI Alice Richman, PI Essie Torres, CoPI Wanda Wright, CoPI Hope Landrine

Proposal No:17-0309 - Evaluation of North Carolina's Healthy Food Small Retailer Program (House Bill 1030, Section 13.4, Funded by National Institutes of Health (NIH) (April 1, 2017 - March 31, 2021), Submitted - Not Funded, Spring 2018, CoPI Qiang Wu with CoPI Ronny Bell, PI Stephanie Pitts [Type of Grant (CHESS Code): Other]

Proposal No:17-0762 - Application of Novel Modeling Approaches to Identify Key Indicators of Bone Stress and Design Safe Return to Play Workloads, Funded by General Electric (GE) (August 1, 2017 - July 31, 2020), Submitted - Not Funded, Spring 2018, CoPI Qiang Wu with PI Stacey Meardon, CoPI John Willson

Proposal No:16-0610 - Reactance to smoking and HIV disparities communication among sexual and gender minority adults, Funded by National Institutes of Health (NIH) (July 1, 2017 - June 30, 2019), Submitted - Not Funded, Spring 2017, CoPI Qiang Wu with PI Joseph Lee, CoPI Paige Averett, CoPI Hope Landrine, CoPI Ryan Martin

Proposal No:17-0384 - Naltrexone for Symptoms of Gulf War Illness: Determinants of Response versus Non-Response, Funded by Department of Defense (DOD) (July 3, 2017 - June 30, 2020), Submitted - Not Funded, Spring 2017, CoPI Qiang Wu with CoPI Jennifer Parker-Cote, PI William Meggs

Submitted for Review

Proposal No:25-0395 - Building Lean Offspring through Optimal Maternal exercise (BLOOM), Funded by DHHS - National Institutes of Health (NIH) (January 1, 2026 - December 31, 2030), Submitted for Review, Spring 2025, CoInvestigator Qiang Wu with CoInvestigator Amy Gross McMillan, CoInvestigator James deVente, PI Linda May, CoInvestigator Espen Spangenburg, CoInvestigator Nicholas Broskey, CoInvestigator David Collier, CoInvestigator Katrina DuBose

Proposal No:25-0542 - PhytoRx Families: A Food Is Medicine Protocol and Sustainable Approach to Improve Diet and Health in Rural North Carolina, Funded by North Carolina State University (NCSU) (July 1, 2025 - June 30, 2026), Submitted for Review, Spring 2025, CoInvestigator Qiang Wu with PI Stephanie Pitts

Proposal No:25-0105 - Testing a Behavioral and Nicotine Replacement Therapy-Supported Intervention to Decrease Electronic Nicotine Delivery System Use in Vehicles, Funded by DHHS - National Institutes of Health (NIH) (July 1, 2025 - June 30, 2030), Submitted for Review, Fall 2024, Senior/Key Participant Qiang Wu with CoInvestigator Sinan Sousan, PI Eric Soule

Proposal No:25-0259 - Characterizing accuracy and variability in speech sound productions across bidialectal and bilingual preschoolers, Funded by University of Toronto (U of T) (July 1, 2025 - June 30, 2030), Submitted for Review, Fall 2024, CoInvestigator Qiang Wu with PI Yolanda Holt

Proposal No:25-0308 - Addition of a Reverse Amide to Methacrylate-Based Dental Materials to Inhibit Microbial Biofilm Formation., Funded by DHHS - NIH/National Institute of Dental and Craniofacial Research (NIDCR) (July 1, 2025 - June 30, 2027), Submitted for Review, Fall 2024, CoInvestigator Qiang Wu with PI Saulo Geraldeli

Proposal No:25-0022 - An Equitable Approach to Advancing Health and Food Security in Rural North Carolina, Funded by North Carolina State University (NCSU) (October 1, 2024 - September 30, 2026), Submitted for Review, Summer 2024, CoInvestigator Qiang Wu with PI Stephanie Pitts

Proposal No:24-0404 - Addition of a Reverse Amide to Methacrylate-Based Dental Materials to Inhibit Microbial Biofilm Formation., Funded by DHHS - NIH/National Institute of Dental and Craniofacial Research (NIDCR) (September 1, 2024 - August 31, 2026), Submitted for Review, Spring 2024, CoInvestigator Qiang Wu with PI Saulo Geraldeli

Proposal No:24-0594 - PhytoRx Families: Addressing Food Security in Rural North Carolina, Funded by North Carolina State University (NCSU) (September 1, 2024 - August 31, 2029), Submitted for Review, Spring 2024, CoInvestigator Qiang Wu with PI Stephanie Pitts

Proposal No:24-0606 - ECU Site: Effects of maternal psychosocial stress during pregnancy on offspring heart health, Funded by Ohio State University (OSU) (December 1, 2024 - November 30, 2029), Submitted for Review, Spring 2024, CoInvestigator Qiang Wu with PI Linda May, CoInvestigator Stacey Applegate

Proposal No:24-0642 - ECU Site: Therapeutic potential of maternal exercise for maternal psychosocial stress, Funded by Ohio State University (OSU) (July 1, 2024 - June 30, 2026), Submitted for Review, Spring 2024, CoInvestigator Qiang Wu with CoInvestigator Stacey Applegate, PI Linda May

Proposal No:24-0760 - Advancing Diabetes Care to Address Health Disparities in Rural North Carolina, Funded by North Carolina State University (NCSU) (October 1, 2024 - September 30, 2029), Submitted for Review, Spring 2024, CoInvestigator Qiang Wu with PI Stephanie Pitts

Proposal No:24-0771 - ECU Site: Pass the PEAS (Preschool Education in Applied Sciences), Funded by North Carolina State University (NCSU) (August 1, 2025 - July 31, 2030), Submitted for Review, Spring 2024, Senior/Key Participant Qiang Wu with CoInvestigator Tammy Lee, PI Archana Hegde, CoInvestigator Yolanda Holt

Proposal No:24-0130 - Targeting ATP synthase reversal to combat chemotherapy resistance in acute myeloid leukemia, Funded by DOD - Department of the Army (ARMY) (October 1, 2024 - September 30, 2027), Submitted for Review, Fall 2023, CoInvestigator Qiang Wu with CoInvestigator Myles Cabot, CoInvestigator Joseph McClung, PI Kelsey Fisher-Wellman, CoInvestigator Darla Liles

Proposal No:24-0308 - SAVOR (Supporting Adherence to fruit & Vegetable Optimization foR life) Your Health, Funded by AHA - American Heart Association (January 1, 2024 - June 30, 2025), Submitted for Review, Fall 2023, CoInvestigator Qiang Wu with CoInvestigator Doyle Cummings, PI Lauren Sastre [Type of Grant (CHESS Code): Clinical Trial]

Proposal No:24-0328 - Physical Activity to Mitigate PreEclampsia Risk (PAMPER), Funded by Burroughs Wellcome Fund (June 1, 2024 - March 31, 2028), Submitted for Review, Fall 2023, CoInvestigator Qiang Wu with CoInvestigator Jacqueline Muhammad, PI Linda May, CoInvestigator Nicholas Broskey, CoInvestigator James Whiteside, CoInvestigator James deVente

Institutional services

Graduate student's thesis and dissertation committee

• Keila Marlin, Public Health	2025
• Brenda Sharpe, Public Health	2025
• Missy Stancil, Public Health	2023-2024
• Alec Ducharme, Occupational Therapy	2022-2023
• Meagan Denny, Occupational Therapy	2022-2023
• Juliette Lucia Leonardo, Thesis, Occupational Therapy	2019-2021
• Melissa Rae Dale, Thesis, Occupational Therapy	2019-2021
• Sarah Burkholder, Thesis, Nutrition Science	2018-2019
• Sharon Smith, Dissertation, Biology	2011-2017
• Steven Weber, Dissertation, Education	2012-2016
• Joshwa Thigen, Thesis, Biology	2014-2016
• Fuliang Xie, Dissertation, Biology	2012-2014
• Kylie Gearhart, Nutrition Science	2012-2013
• Matthew Butler, Biology	2011-2013
• Jonnie Corinne Seay, Rehabilitation Studies	2011
• William Leigh Atherton, Rehabilitation Studies	2011
• Skye Lewis, Communication Sciences and Disorders	2010
• Helen Houston, Occupational Therapy	2010
• Kristal Mills, thesis, Communication Sciences and Disorders	2009
• John Mohan, thesis, Biology	2008
• Doctoral competency exam for Kristal Mills, Communication Sciences and Disorders	2009-2010
• Doctoral competency exam Christina Figueroa, Communication Sciences and Disorders	2008-2009
• Doctoral competency exam Janel Cosby, Communication Sciences and Disorders	2008-2009

Workshops at ECU Center for Faculty Excellence, Department of Biostatistics and others

• An introduction to LATEX	2024
• Multicategorical data analysis	2024
• Complex sample survey data analysis	2023
• T-test and ANOVA	2022
• Contingency table and logistic regression	2022
• Statistical Comparisons of Groups of Data	2019
• SAS Intro	2019
• Measurement and descriptive statistics	2018
• Regression and correlation	2018
• Introduction to SPSS	2018
• Poisson and negative binomial regression	2017
• Regression and correlation	2017
• Introduction to SAS	2017
• Bivariate Analysis	2016
• Bayesian Analysis	2016
• Factor, Cluster, and Discriminant Analysis	2015
• Introduction to SAS	2015, 2016
• Sampling Distributions and Inference	2014
• Modeling and Advanced Topic in R	2014
• Using Excel	2013
• Introduction to JMP	2013
• Sampling Distributions and Inference	2013
• Logistic and ordinal regression	2012

- Bootstrap and resampling 2012
- Working with missing data 2010, 2011
- Statistical inference using SAS 2010, 2011, 2012
- Nonparametric tests 2009, 2010
- Linear and logistic regression 2009
- Exploring data and making comparisons in SAS 2009
- A SAS workshop series of Department of Biostatistics 2009
- Pathology Grand Rounds at Department of Pathology and Laboratory Medicine 2009

Institutional committee member

- Public Health BIOS search committee 2024 – present
- Public Health Tenure and Promotion committee 2022 – present
- University and Medical Center IRB alternate member 2019 – present
- Faculty council member in College of Allied Health Sciences 2010 – 2013, 2019-2022
- Diversity Committee in College of Allied Health Sciences 2008 – 2010, 2015 – 2019
- Alternate hearing and appeal committee in College of Allied Health Sciences 2009

Professional services

- A guest reviewer for Journal of Stats 2023
- A guest reviewer for Journal of Computational and Graphical Statistics 2022
- A guest reviewer for Communications in Statistics 2019
- A guest reviewer for Electronic Journal of Statistics 2017
- A guest reviewer for BMC Public Health 2016
- A guest reviewer for BMC Pediatrics 2016
- A guest reviewer for Dependence Modeling 2015
- A guest reviewer for Journal of Immigrant and Minority Health 2015
- A guest reviewer for a text by WHFreeman 2015
- A guest reviewer for a text by Macmillan – the Practice of Statistics in the Life Sciences 2017
- A guest reviewer for Entropy 2014
- A guest reviewer for the American Statistician 2012, 2013, 2014
- A guest reviewer for the R journal 2010
- An editorial board member for the Journal of Occupational Therapy in Health Care 2010 – present

Miscellaneous

Continuing education

- Writing your own R package from scratch, The 2019 ASA Conference on Statistical Practices February, 2019
- Successful data mining in practice, The 2019 ASA Conference on Statistical Practices February, 2019
- Innovation in online instruction in statistics: engaging and challenging e-learners, an USCOTS pre-conference workshop, Cary, NC May, 2013
- Computationally intensive methods in teaching introductory statistics, a USCOTS pre-conference workshop funded by NSF grants, SAS Institute Inc. May, 2011
- Analysis of ordinal categorical data, JSM 2010 August, 2010
- Analysis of clinical trials: theory and applications, JSM 2008 August, 2008
- The Annual Jean Mills Symposium, ECU February, 2010, 2011, 2012

Professional memberships

- American Statistical Association 2004 – present
- Institute of Mathematical Statistics 2004 – present

- International Biometric Society – ENAR

2007 – present

Meeting travel awards

[1] Eleventh Meeting of New Researchers in Statistics and Probability 2008, July 29 - August 2, 2008, University of Colorado, Boulder, CO and NCAR.

[2] ENAR Workshop for Junior Biostatisticians in Health Research 2010, March 10 -20, Hilton New Orleans Riverside, New Orleans, LA.