

# Mitchell Roberts

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protocol

Delegation of project tasks in an organized fashion to ensure reporting, recruitment, and internal auditing is completed accurately and in advance of deadlines

Developing quality assurance protocols that meet FDA clinical trial guidelines

Troubleshooting and resolving technical issues related to software and EEG technology

Preparation of reports to track progress towards study goals using SPSS and Excel

Community presentations in The Villages to audiences ranging from 5-250 regarding information about participating in research opportunities

## Project Leadership

March-April 2020

Developed and hosted a one-day immersive training experience for over 100 medical, nursing and public health students

Collaborated with an interdisciplinary team of public health officials, university faculty and health providers to design and implement safe and efficient COVID-19 drive-thru testing at The Villages Polo Fields

Helped oversee completion of over 3,680 COVID-19 tests for local community members and managed logistics to ensure smooth testing experience for medical volunteers and community test recipients

Designed and implemented a real-time data capture tool using iPads to collect health records for test recipients

Analyzed testing results and followed up with local department of health officials to contact trace

2021-Present

Role: Senior Research Coordinator



C., VandeWeerd, M. Roberts, E. Sappington, A. Fiscella, A. Yalcin, J. Lowenkron, J. Castaldo; O. Kehat, G. Issachar, Z. Peremen, & A. Geva. Evaluating Brain Health: Early Findings on the Utility of a Novel Technology to Assess Brain Health in Late Life. In Press. \*Winner of the 2018 Erickson Foundation Award for Excellence in Aging Research, American Public Health Association. San Diego, California, September 2018.

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Longo, C., Roberts, M., Sappington, E., Poon, L., Lowenkron, J., VandeWeerd, C. Examining repeat Covid-19 test takers in an active lifestyle retirement community. Presented at the University of Florida College of Medicine Research Day, April 2022.

VandeWeerd, C., Sappington, E., Roberts, M., Poon, L., Iheanyi-Okeahialam, C. A comparison of traditional remote monitoring (RPM) devices versus a novel, toilet seat-based monitoring device. To be presented at The Gerontological Society of America's Meeting November 2022.

VandeWeerd, C., Roberts, M., Collins, L., Sappington, E., Poon, L., Lowenkron, J. Cardiovascular monitoring systems for aging in place: current perspectives and a novel toilet seat-based system. Presented at The Gerontological Society of America's Meeting November 2021.

Roberts, M., Sappington, E., Guerra, L., Collins, L., Yalcin, A., Lowenkron, J., VandeWeerd, C. Discriminant COVID-19 outcomes based on safety adherence in an active lifestyle retirement community. Presented at The Gerontological Society of America's Meeting November 2021.

VandeWeerd, C., Roberts, M., Sappington, E., Parker, M., Lowenkron, J. Examining the longevity and symptomatology of

Peremen, Z., VandeWeerd, C., Lowenkron, J., Sappington, E., Roberts, M., Shani-Hershkovich, R., ... & Issachar, G. (2018, January). Machine Learning Based Electrophysiological Measures (EEG/ERP) for Memory Impairment. In (Vol. 77, No. 3, pp. 139-139). Allschwilerstrasse 10, CH-4009 Basel, Switzerland

VandeWeerd, C., Agu, N., Aden-Buie, G., Yetisener, E., Radwan, C., Lent, K., Watkins, C., Roberts, M., Behzadnia, P., & Yalcin, A. Ambient Sensor Monitoring: Detecting Loneliness and Depression in Older Adults via Passive Home Sensing. Poster presented at the 144th Annual Scientific Meeting of the American Public Health Association, Denver, CO, November 2016.

VandeWeerd, C., Lent, K., Agu, N., Sappington, E., Roberts, M., Behzadnia, P., & Yalcin, A. Assessing Older Adults' Socio Behavioral Health Using Electronic Health Record Data. Poster presented at the 69th Annual Scientific Meeting of the Gerontological Society of American, New Orleans, LA, November, 2016.

VandeWeerd, C., Agu, N., Aden-Buie, G., Yetisener, E., Radwan, C., Lent, K., Watkins, C., Roberts, M., Behzadnia, P., & Yalcin, A. Detecting Mental Health Changes in Seniors via Ambient Sensor Monitoring. Poster presented at the 69th Annual Scientific Meeting of the Gerontological Society of American, New Orleans, LA, November, 2016.

Dobbs, D., Meng, H., Hyer, K., Roberts, M. Consumers Have Spoken: Quality as Measured by Complaint Data in Florida Assisted Living Communities. Poster presented at the 69th Annual Scientific Meeting of the Gerontological Society of American, New Orleans, LA, November, 2016.

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**University of South Florida Advanced Training Travel Grant** August 2018, August, September 2019  
Visited with 1 potential research partner (The Sagol Center for Hyperbaric Medicine) and 1 current research partner (EIMinda) to explore avenues for expanding brain health research for older adults. Participated in hands on analytic training, using advanced techniques with clinical and health outcomes data. Developed field appropriate communication skills with leading industry experts.

**Erickson Foundation Research Award in Positive Aging** November 2018  
This American Public Health Association (APHA) award recognizes high-caliber research that significantly advances our understanding of physical, social, psychological, financial, and/or civic dimensions of positive aging on either the individual or community level.

**Florida High Tech Corridor Excellence in Graduate Research Award** May 2018  
Recognized for excellence in a student leadership role within partnership with the USF College of Engineering and The Villages Health. The winning project is titled: "Using Technology to Improve Service Delivery and Health Outcomes for Older Adults" and it includes three sub-projects-a study using the Brain Network Activation program to create a big data brain mapping repository using EEG signals, a project using HomeSense, a wireless sensor system, to collect data on activities of daily living, sleep/wake patterns and lifestyle of The Villages residents, and finally the Hospitalist Evaluation sub-project, where data are collected on discharged patients to track post-discharge health outcomes.

**Harold L. Sheppard Endowed Memorial Scholarship** April 2016, April 2017  
The scholarship is to be presented each year to the student in the M.A. program in Gerontology who has demonstrated the highest level of academic performance and promise as a gerontologist.

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Integrating technology into healthcare delivery for older adults  
Translational research with community and industry partners to promote successful aging  
Active (e.g. smartwatches, wearable) and passive (e.g. smart home) gerontechnologies