

# Drs. Ruth Tappen and David Newman Awarded \$5.3 Million Grant to Address Cognitive Change in Older Drivers

About one in 10 older adults in the U.S. have Alzheimer's disease and another 15 to 20% have mild cognitive impairment, a third of whom will develop dementia within 5 years. Individuals with dementia eventually become unable to perform complex everyday activities, including driving. Drs. Ruth Tappen and David Newman received a \$5.3 million dollar grant from the National Institute on Aging - National Institutes of Health for "In-Vehicle Sensors to Detect Cognitive Change in Older Drivers." This study will lead to long-term tests of an array of vehicle sensors to determine the ability to detect cognitive change, examine what changes are detected and which sensor data is most sensitive to these changes. Furthermore, they plan to develop interpretable age, gender and vehicle-specific driving behavior devices and evaluate the acceptability of the sensor system to the user for translation of the results into widespread use of sensor technology for this purpose. The possible early detection of dementia offers a number of medical, emotional and financial benefits for the individual, family and society, opening a window to intervene in the progression of this disease. ■

## NEW EXTRAMURAL GRANT FUNDING: JUNE 2019 - SEPTEMBER 2020

1. **Name:** Drs. Deborah D'Avolio and Sareen Gropper  
**Title:** A Stress Reduction and Nutrition Telehealth Coaching Intervention for Older Adults with Dementia and their Family Caregivers: A dyad approach  
**Sponsor:** McLean Hospital / Institute of Coaching  
**Amount:** \$35,361
2. **Name:** Dr. Karethy Edwards  
**Title:** Caring-based Academic Program in Excellence (CAPE): Creating a Part-time Pre-licensure Bachelor of Science in Nursing (BSN) Path for Working Professionals with a Degree in another Discipline  
**Sponsor:** Florida Blue Foundation  
**Amount:** \$300,000
3. **Name:** Dr. Karethy Edwards  
**Title:** Nurse Education Practice Quality Retention Registered Nurse in Primary Care COVID  
**Sponsor:** Health Resources and Services Administration  
**Amount:** \$78,751
4. **Name:** Dr. Safiya George  
**Title:** Prevention, Treatment, and Recovery Strategies for Individuals with Opioid and Methamphetamine Use Disorder in Rural Alabama  
**Sponsor:** HRSA – University of Alabama  
**Amount:** \$199,421
5. **Name:** Dr. Debra Hain  
**Title:** Kidney Disease Management Workshops for Community Health Workers  
**Sponsor:** American Nephrology Nurses Association  
**Amount:** \$15,000
6. **Name:** Dr. Dawn Hawthorne  
**Title:** Effect of a Mobile Mindfulness-based Intervention on Decreasing Stress and Anxiety in High-Risk Pregnant Women  
**Sponsor:** Association of Women's Health, Obstetrics, & Neonatal Nurses  
**Amount:** \$5,000
7. **Name:** Dr. Tarsha Jones  
**Title:** Multicenter Trial of Decision Support for Breast Cancer Chemoprevention  
**Sponsor:** National Institutes of Health – Columbia University  
**Amount:** \$21,993
8. **Name:** Dr. Beth King  
**Title:** Nurse Education Practice Quality Retention Veteran Nurses In Primary Care COVID  
**Sponsor:** Health Resources and Services Administration  
**Amount:** \$64,285
9. **Name:** Dr. Beth King  
**Title:** Substance Abuse Disorder (SUD) Curriculum Grant  
**Sponsor:** American Psychiatric Nurses Association  
**Amount:** \$5,000
10. **Name:** Dr. Cheryl Krause-Parello  
**Title:** All Hands on Deck: Community Convening to Improve Research on Veteran Suicide Prevention  
**Sponsor:** National Institutes of Health – University of Texas at Austin  
**Amount:** \$15,810
11. **Name:** Dr. Cheryl Krause-Parello  
**Title:** Social and Chronic Pain: Veterans Sharing a Path in Developing a Patient-Centered Response to COVID-19 Pandemic  
**Sponsor:** Patient-Centered Outcomes Research Institute (PCORI)  
**Amount:** \$149,997
12. **Name:** David Newman  
**Title:** Assessing and Supporting Effective and Safe Use of Medical Marijuana for Older Adults with Chronic Pain  
**Sponsor:** Consortium for Medical Marijuana Clinical Outcomes Research  
**Amount:** \$67,500
13. **Name:** Dr. María Ordóñez  
**Title:** Boca Raton Regional Hospital Community Outreach Grant  
**Sponsor:** Florida Atlantic University Foundation  
**Amount:** \$55,000
14. **Name:** Dr. María Ordóñez  
**Title:** Opening and Sustaining Loving, Caring Conversations on Advance Care Planning for Patients and Families Living with Alzheimer's Disease (LCC-ACP-AD)  
**Sponsor:** Florida Department of Health  
**Amount:** \$100,000
15. **Name:** Drs. Ruth Tappen and David Newman  
**Title:** In-Vehicle Sensors to Detect Cognitive Change in Older Drivers  
**Sponsor:** National Institutes of Health  
**Amount:** \$5,367,822