

**CURRICULUM VITA
JARED J. TANNER, PH.D.**

PROFESSIONAL ADDRESS

College of Public Health and Health Professions

University of Florida

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EDUCATION

University of Florida, Gainesville, FL

Clinical and Health Psychology

Emphasis: Neuropsychology

Degree: Ph.D., 2013

Duke University, Durham, NC

Clinical Pre-Doctoral Internship

Emphasis: Adult Neuropsychology

2012 – 2013

Brigham Young University, Provo, UT

Major: Psychology

Degree: M.S.

Brigham Young University, Provo, UT

Major: Psychology

Minor: Gerontology

Degree: B.S.

PROFESSIONAL POSITIONS

2015-present **Research Assistant Professor**

UNIVERSITY OF FLORIDA

Director for structural imaging acquisition and processing (NIH R01 investigations). Co-mentor for honor undergraduate students completing theses. Co-mentor for graduate students completing imaging related research investigations.

Instructor

UNIVERSITY OF FLORIDA

PSB 4934 Cognitive Neuroscience of Aging

CLP 7934 Neuroimaging Applications and Analyses with Lab

HSC 4930 Introduction to Clinical Neuroanatomy

Postdoctoral Research Associate

UNIVERSITY OF FLORIDA

Associate for structural imaging acquisition and processing (NIH R01 investigations). Co-mentor for honor undergraduate students completing theses. Co-mentor for graduate students completing imaging related research investigations.

Clinical Intern

DUKE UNIVERSITY MEDICAL CENTER

Adult and geriatric neuropsychology with a specialty in memory disorders. Provided clinical assessment and treatment plans. Worked on inter-disciplinary teams (neurology, geriatrics, psychiatry, psychology). Also provided outpatient adult ADHD psychotherapy.

Instructor

UNIVERSITY OF FLORIDA

Co-instructor, Introduction to Clinical Neuropsychology, CLP 4420. Supervisor: Russell Bauer, PhD, ABPP

Instructor

BRIGHAM YOUNG UNIVERSITY

Psychology 111 (Introduction to Psychology)

Psychology 381 (Behavioral Neurobiology)

Psychology 220 (Human Development: Lifespan)

Teaching Assistantships

Postdoctoral Teaching Assistant

UNIVERSITY OF FLORIDA

Human Brain Function. Supervisor: Dawn Bowers, PhD

Teaching Assistant

BRIGHAM YOUNG UNIVERSITY

Psychology 584 (Cognitive Neuroscience). Supervisor: Ramona O. Hopkins, PhD

Psychology 220 (Human Development). Supervisor: Ramona O. Hopkins, PhD

Psychology 381 (Behavioral Neurobiology). Supervisor: Ramona O. Hopkins, PhD

Psychology 370 (Sensation and Perception). Supervisor: Ramona O. Hopkins, PhD

Psychology 111 (Introduction to Psychology). Supervisor: Claudia Clayton, PhD

Psychology 302 (Research Methods and Design). Supervisor: Claudia Clayton, PhD

Research Assistant

UNIVERSITY OF FLORIDA

Price Neuropsychology Lab

Supervisor: Catherine Price, PhD

AWARDS / HONORS

Best poster at University of Florida Department of Anesthesiology 2014 Celebration of Research
Parkinson's Action Network Leadership Forum postdoctoral researcher scholarship recipient

Brain artwork selected for permanent display at the University of Florida Center for Movement Disorders and Neurorestoration

University of Florida Department of Clinical and Health Psychology Jenny Sivinski Memorial Award for Excellence in Community Service

Outstanding Speaker, Institute of Learning in Retirement /University of Florida Student Research-on-Aging Symposium

University of Florida Alumni Graduate Fellowship

College of Family, Home, and Social Sciences Dean's List, Brigham Young University

University Scholar, Brigham Young University

Eagle Scout Award

RESEARCH EXPERIENCE & INTERESTS

I am currently a research assistant professor at the University of Florida working as a co-investigator on multidisciplinary NIH grants focused on neuroimaging and cognition in older adults with chronic pain and adults undergoing major surgery (PIs: Kimberly Sibille; Catherine Price).

My current research focuses primarily on the effects of aging and disorders associated with aging have on brain structure, function, cognition, and pain. I am interested in understanding how individual brain and cognitive variable (e.g., localized and widespread atrophy, cerebrovascular disease, health history, physical activity) contribute to the aging brain. I research individual cognitive and neurological factors influencing variability in response to acute brain stressors and aging. To conduct my research, I utilize a range of clinical neuropsychological and neuroimaging methodologies. I have considerable experience with structural MRI methodologies (volumetric, diffusion, and quantitative fiber tracking) and additional experience with functional MRI. My research thus involves working as part of multi-disciplinary teams involving colleagues in clinical psychology, biochemistry, bioengineering, neurology, anesthesiology, surgery, and nursing. I assess relationships between gray and white brain matter and cognitive, memory, and behavioral functions in intact and impaired older adult populations. I co-supervise graduate, undergraduate, and post-baccalaureate research assistants.

One of my areas of interest is how sociodemographic variables play a role in aging and medical outcomes. My short and long-term goals are to continue developing theoretically-driven research, using validated and novel neuroimaging methods to identify biomarkers – changes to the structure and function of the brain – of early and clinically relevant memory and cognitive decline in older adults. Each identified biomarker can be used to create a profile of individual brain integrity, which can then be used to better characterize and predict cognitive and behavioral changes with aging. This will be accomplished in part through building databases of age and education corrected normative neuroimaging metrics. Neuroimaging data will then be combined with cognitive and medical profiles to provide a more comprehensive profile of individuals.

GRANTS

Ongoing

R01AG054370-05S1 (PIs: Tanner, Sibille)

NIH NIA

Chronic Pain Severity, Biomarkers of Dementia, and Ethnic/Race Group Differences: Predicting Alzheimer's Disease Vulnerabilities

08/01/20-05/31/22

6.00 calendar

This study investigates the relationship between demographic disparities on health outcomes for individuals with osteoarthritis and potential risk of dementia.

R01AG054370 (PI: Sibille)

NIH NIA

Health Disparities in Osteoarthritis: Biological Aging, Stress, and Pain

09/01/16-05/31/22

3.00 calendar

This study investigates the relationship between demographic disparities on health outcomes for individuals with osteoarthritis.

As a Co-investigator, Dr. Tanner is involved in the neuroimaging and cognitive elements of the investigation. He is completing the neuroimaging component and provides input on brain regions of interest relative to psychological elements in the sample.

4K22NS102334-03 (PI: Terry)

NIH NINDS

1.2 calendar

Neural Mechanisms Underlying Psychosocial Contributions to Ethnic Group Differences in Pain

The grant is focused on pain catastrophizing and mechanisms of pain processing. Dr. Tanner is involved in neuroimaging and statistical analysis, manuscript writing, and didactic experiences revolving around neuroimaging.

Previous Research Activities on Grants

7AZ01 (Smith)

Florida Department of Health – Ed and Ethel Moore Alzheimer’s Disease Research Program
Physical Exercise and Cognitive Engagement Outcomes For Mild Neurocognitive Disorder
(PEACEOFMND)

07/2017 – 06/2018

1.00 calendar

The \$450,000 grant will establish a collaboration between the Florida Department of Health funded Memory Disorders Centers at UF, Mayo Clinic Jacksonville, and Tallahassee Memorial Healthcare to study neuroimaging impacts of behavioral interventions in Mild Cognitive Impairment.

Role: Co-investigator involved in neuroimaging acquisition, data management, and image processing.

R01 N5082386 (PI: Price)

NIH NINDS

White Matter Connectivity and PD Cognitive Phenotypes

09/25/13-08/30/18

The goal of this research project is to determine if cognitive phenotypes and cognitive trajectory can be partially explained by frontal and temporal circuit integrity. We will perform this investigation using two recruitment pools encompassing > 700 individuals with idiopathic PD, novel structural and functional imaging approaches, and repeated cognitive assessments.

As a Co-Investigator, Dr. Tanner is involved primarily with neuroimaging acquisition, management, and processing. Dr. Tanner is also involved in student supervision, database management, manuscript writing, and presentations.

R01 NR014810 (PI: Price)

NIH NINR

Neuroimaging Biomarkers for Post-Operative Cognitive Decline in Older Adults

09/27/12-06/30/17

This study examines the extent that preoperative regional white matter integrity and specific white matter connections predict type of post-operative cognitive decline after major orthopedic surgery in older adults. As a Co-Investigator, Dr. Tanner is involved with many elements of the project including weekly meetings with the neuroimaging team, recruitment, neuroimaging acquisition, management, and processing, data analyses, manuscript writing, and presentations.

NINDS K23NS060660 (PI: Price)

09/31/07-09/30/12

NIH NINDS

Title: White Matter and Cognition in Parkinson’s Disease.

Project was focused on investigating the role of white matter on cognitive function in idiopathic nondemented Parkinson’s disease relative to age and education matched healthy adults by using novel diffusion MRI methodologies (HARDI).

Role: research assistant involved acquisition of neuroimaging data, processing of neuroimaging data including volumetric and fiber tracking analyses, and acquisition of neuropsychological data.

NHLBI RCI HL 100195-01 (PI: Beaver)

Title: Invasive Surgical Pulmonary Vein Isolation versus Medical Management in Patients with Atrial Fibrillation.

Role: research assistant with responsibilities for neuroimage processing to examine changes in white matter on cognitive function in individuals randomly placed into one of two treatment groups.

PUBLICATIONS

PEER REVIEWED ARTICLES

Dion, C., **Tanner**, J. J., Crowley, S. J., Wiggins, M. E., Mareci, T., Ding, M., Price, C. C., & Manini, T. (2021). Functional connectivity of key resting state networks and objectively measured physical activity in older adults with joint pain: A pilot study. *Experimental Gerontology*.

Impact Factor: 3.38

Tanner, J. J., Hanchate, S., Price, C. C., Garvan, C., Lai, S., Staud, R., ... & Sibille, K. T. (2021). Relationships between chronic pain stage, cognition, temporal lobe cortex, and sociodemographic variables. *Journal of Alzheimer's Disease*, (Preprint), 1-13.

Impact Factor: 3.909

Dion, C., Frank, B. E., Crowley, S. J., Hizel, L. P., Rodriguez, K., **Tanner**, J., ... & Price, C. C. (2021). Parkinson's Disease Cognitive Phenotypes Show Unique Clock Drawing Features when Measured with Digital Technology. *Journal of Parkinson's disease*, (Preprint), 1-13.

Impact Factor: 5.568

Tanner, J. J., Johnson, A. J., Terry, E. L., Cardoso, J., Garvan, C., Staud, R., ... & Sibille, K. T. (2021). Resilience, pain, and the brain: Relationships differ by sociodemographics. *Journal of Neuroscience Research*, 99(5), 1207-1235.

Impact Factor: 4.699

Jones, J., Nielson, S. A., Trout, J., Swenson, M., Reiley, J., **Tanner**, J., ... & Kay, D. B. (2021). A Validation Study of PROMIS Sleep Disturbance (PROMIS-SD) and Sleep Related Impairment (PROMIS-SRI) Item Banks in Individuals with Idiopathic Parkinson's Disease and Matched Controls. *Journal of Parkinson's Disease*, (Preprint), 1-7.

Impact Factor: 5.568

Crowley, S. J., Banan, G., Amin, M., **Tanner**, J. J., Hizel, L., Nguyen, P., ... & Price, C. C. (2020). Statistically defined Parkinson's Disease executive and memory cognitive phenotypes: demographic, behavioral, and structural neuroimaging comparisons. *Journal of Parkinson's disease*, (Preprint), 1-15.

Impact Factor: 5.568

Terry, E. L., **Tanner**, J. J., Cardoso, J. S., Sibille, K. T., Lai, S., Deshpande, H., ... & Fillingim, R. B. (2020). Associations of pain catastrophizing with pain-related brain structure in individuals with or at risk for knee osteoarthritis: sociodemographic considerations. *Brain Imaging and Behavior*, 1-9.

Impact Factor: 3.391; 5-year Impact Factor: 3.461

Wiggins, M. E., Jones, J., **Tanner**, J. J., Schmalfluss, I., Hossein Aalaei-Andababili, S., Heilman, K. M., ... & Price, C. C. (2020). Pilot investigation: older adults with atrial fibrillation demonstrate greater brain leukoaraiosis in infracortical and deep regions relative to non-atrial fibrillation peers. *Frontiers in Aging Neuroscience*, 12, 271.

Impact Factor: 4.504

Trifilio, E., **Tanner**, J. J., Butterfield, L., Mangal, P., Maye, J. E., Marsiske, M., ... & Bowers, D. (2020). A tale of two stories: validity of an alternative story memory test in a sample of older adults. *The Clinical Neuropsychologist*, 1-16.

Impact Factor: 1.58; 5-Year Impact Factor: 2.10

Cruz-Almeida, Y., Crowley, S. J., Tanner, J., & Price, C. C. (2020). Pain severity and interference in different Parkinson's disease cognitive phenotypes. *Journal of pain research*, 13, 3493.

Impact Factor: 2.581

Trout, J., Christiansen, T., Bulkley, M. B., **Tanner**, J. J., Sozda, C. N., Bowers, D., & Kay, D. B. (2020). Cognitive Impairments and Self-Reported Sleep in Early-Stage Parkinson's Disease with Versus without Probable REM Sleep Behavior Disorder. *Brain Sciences*, *10*(1), 9.

Impact Factor: 2.786

Alonso, C. H., **Tanner**, J. J., Wiggins, M. E., Sinha, P., Parvataneni, H. K., Ding, M., ... & Price, C. C. (2019). Proof of principle: Preoperative cognitive reserve and brain integrity predicts intra-individual variability in processed EEG (Bispectral Index Monitor) during general anesthesia. *PLoS one*, *14*(5), e0216209.

Impact Factor: 2.766; 5-Year Impact Factor: 3.079

Hardcastle, C., Huang, H., Crowley, S., **Tanner**, J., Hernaiz, C., Rice, M., ... & Price, C. C. (2019). Mild Cognitive Impairment and Decline in Resting State Functional Connectivity after Total Knee Arthroplasty with General Anesthesia. *Journal of Alzheimer's Disease, (Preprint)*, 1-16.

Impact Factor: 3.517

Tanner, J. J., Amin, M., Hardcastle, C., Parvataneni, H., Vaillancourt, D. E., Mareci, T. H., & Price, C. C. (2019). Better Brain and Cognition Prior to Surgery Is Associated With Elevated Postoperative Brain Extracellular Free-Water in Older Adults. *Frontiers in aging neuroscience*, *11*.

Impact Factor: 3.582; 5-Year Impact Factor: 3.855

Kluger, B. M., Zhao, Q., **Tanner**, J. J., Schwab, N. A., Levy, S. A., Burke, S. E., ... & Price, C. (2019). Structural brain correlates of fatigue in older adults with and without Parkinson's disease. *NeuroImage: Clinical*, *22*, 101730.

Impact Factor: 3.943, 5-year Impact Factor: 4.833

Hizel, L. P., Warner, E. D., Wiggins, M. E., **Tanner**, J. J., Parvataneni, H., Davis, R., ... & Price, C. C. (2019). Clock drawing performance slows for older adults after total knee replacement surgery. *Anesthesia & Analgesia*, *129*(1), 212-219.

Impact Factor: 3.489

Wan, L., Huang, H., Schwab, N., **Tanner**, J., Rajan, A., Lam, N. B., ... & Ding, M. (2019). From eyes-closed to eyes-open: Role of cholinergic projections in EC-to-EO alpha reactivity revealed by combining EEG and MRI. *Human brain mapping*, *40*(2), 566-577.

Impact Factor: 4.554

De Wit, L., O'Shea, D., Chandler, M., Bhaskar, T., **Tanner**, J., Vemuri, P., ... & Smith, G. (2018). Physical exercise and cognitive engagement outcomes for mild neurocognitive disorder: a group-randomized pilot trial. *Trials*, *19*(1), 573.

Impact Factor: 1.975, 5-year Impact Factor: 2.258

Wiggins, M. E., **Tanner**, J., Schwab, N., Crowley, S. J., Schmalfuss, I., Brumback, B., ... & Price, C. C. (2018). Regional leukoaraiosis and cognition in non-demented older adults. *Brain imaging and behavior*, 1-9. DOI: <https://doi.org/10.1007/s11682-018-9938-5>

Impact Factor: 3.418

Kay, D., **Tanner**, J., & Bowers, D. (2018). Sleep Disturbances and Depression Severity in Patients with Parkinson's Disease. *Brain and Behavior*, e00967. DOI: <https://doi.org/10.1002/brb3.967>

Impact Factor: 2.157

Huang*, H., **Tanner***, J. J.,...Price, C. C. (2018). Impact of Total Knee Arthroplasty with General Anesthesia on Brain Networks: Cognitive Efficiency and Ventricular Volume Predict Functional Connectivity Decline in Older Adults. *Journal of Alzheimer's Disease*, *62*(1), 319-333.

***Share first authorship**

Impact Factor: 3.731; 5 Year Impact Factor: 4.39.

- Colon-Perez, L. M., **Tanner**, J. J., Couret, M., Goicochea, S., Mareci, T. H., Price, C. C. (2018). Cognition and connectome in non-dementia idiopathic Parkinson's disease. *Network Neuroscience*, 1-41.
- Crowley, S. J., **Tanner**, J. J., Ramon, D., Schwab, N. A., Hixel, L. P., Price, C. C. (2018). Reliability and utility of manual and automated estimates of total intracranial volume. *Journal of the International Neuropsychological Society*, 24(2), 206-211.
Impact Factor: 2.63; 5 Year Impact Factor: 3.23
- Crowley, S., Huang, H., **Tanner**, J., Zho, Q., Schwab, N., Hixel, L., Ramon, D., Brumback, B., Ding, M., Price, C. (2018). Considering total intracranial volume in brain voxel based morphometry in idiopathic PD. *Brain Imaging and Behavior*, 12(1), 1-12.
Impact Factor: 4.60; 5 Year Impact Factor: 2.19
- Tanner**, J. J., McFarland, N. R., & Price, C. C. (2017). Striatal and Hippocampal Atrophy in Idiopathic Parkinson's Disease Patients without Dementia: A Morphometric Analysis. *Frontiers in neurology*, 8(139), 1-10.
Impact Factor: 3.18; 5 Year Impact Factor: 3.18
- Huang, H., Nguyen, P. T., Schwab, N. A., **Tanner**, J. J., Price, C. C., & Ding, M. (2017). Mapping Dorsal and Ventral Caudate in Older Adults: Method and Validation. *Frontiers in aging neuroscience*, 9, 91.
Impact Factor: 4.35; 5 Year Impact Factor: 4.52
- Jones, J. D., **Tanner**, J. J., Okun, M., Price, C. C., & Bowers, D. (2017). Are Parkinson's Patients More Vulnerable to the Effects of Cardiovascular Risk: A Neuroimaging and Neuropsychological Study. *Journal of the International Neuropsychological Society*, 23(4), 322-331.
Impact Factor: 2.63; 5 Year Impact Factor: 3.23
- Tanner**, J. J., Levy, S. A., Schwab, N. A., Hixel, L. P., Nguyen, P. T., Okun, M. S., & Price, C. C. (2016). Marked brain asymmetry with intact cognitive functioning in idiopathic Parkinson's disease: A longitudinal analysis. *The Clinical Neuropsychologist*, 1-22.
Impact Factor: 1.58; 5 Year Impact Factor: 2.10
- Price, C. C., **Tanner**, J., Nguyen, P. T., Schwab, N. A., Mitchell, S., Slonena, E., ... & Bowers, D. (2016). Gray and White Matter Contributions to Cognitive Frontostriatal Deficits in Non-Demented Parkinson's Disease. *PLoS ONE*, 11(1), e0147332.
Impact Factor: 3.54; 5 Year Impact Factor: 4.24.
- Price, C.C., Levy, S., **Tanner**, J. J., Garvan, C., Ward, J., Akbar, F., Bowers, D., Rice, M., Okun, M. (2015). Orthopedic surgery and post-operative cognitive decline in idiopathic Parkinson's disease: Considerations from a pilot study. *Journal of Parkinson's disease*, 5, 893-905.
Impact Factor: 1.10
- Tanner**, J. J., Mareci, T. H., Okun, M. S., Bowers, D., Libon, D. J., Price, C. C. (2015). Temporal lobe and frontal-subcortical dissociations in non-demented Parkinson's disease with verbal memory impairment. *PLoS ONE*. 10(7): e0133792. doi: 10.1371/journal.pone.0133792
Impact Factor: 3.53; 5 Year Impact Factor: 4.24.
- Price, C. C., **Tanner**, J. J., Schmalfluss, I. M., Brumback, B., Heilman, K. M., Libon, D. J. (2015). Dissociating Statistically-Determined Alzheimer/ Vascular Dementia Neuropsychological Syndromes Using White and Gray Neuroradiological Parameters. *Journal of Alzheimer's Disease*, 48(3), 833-847.
Impact Factor: 3.731; 5 Year Impact Factor: 4.39.

Tanner, J. J., Mellott, E., Dunne, E. M., & Price, C. C. (2015). Integrating Neuropsychology and Brain Imaging for a Referral of Possible Pseudodementia: A Case Report. *The Clinical Neuropsychologist*, 29(2), 272-292. doi: <http://dx.doi.org/10.1080/13854046.2015.1008047>

Impact Factor: 1.58; 5 Year Impact Factor: 2.10

Readers may earn CE credit for reading the article

Schwab, N. A., **Tanner, J. J.**, Nguyen, P. T., Schmalfluss, I. M., Bowers, D., Okun, M., Price, C. C. (2015). Proof of principle: Transformation approach alters caudate nucleus volume and structure-function associations. *Brain Imaging and Behavior*, 9(4), 744-753. DOI 10.1007/s11682-014-9332-x

Impact Factor: 4.60; 5 Year Impact Factor: 2.19

Price, C. C., **Tanner, J. J.**, Schmalfluss, I., Garvan, C. W., Gearen, P., Dickey, D.,... & Monk, T. G. (2014). A pilot study evaluating presurgery neuroanatomical biomarkers for postoperative cognitive decline after total knee arthroplasty in older adults. *Anesthesiology*, 120(3), 601–613. doi:10.1097/ALN.0000000000000080

Impact Factor: 5.16; 5 Year Impact Factor: 5.30

Seidel, G. A., Giovannetti, T., Price, C. C., **Tanner, J.**, Mitchell, S., Eppig, J., & Libon, D. J. (2013). Neuroimaging correlates of everyday action in dementia. *Journal of clinical and experimental neuropsychology*, 35(9), 993-1005.

Impact Factor: 2.08; 5 Year Impact Factor: 2.48

Price, C. C., Mitchell, S. M., Brumback, B., **Tanner, J. J.**, Schmalfluss, I., Lamar, M., Giovannetti, T., Heilman, K. M., & Libon, D. J. (2012). MRI-leukoaraiosis thresholds and the phenotypic expression of dementia. *Neurology*, 79(8), 734-740. doi: 10.1212/WNL.0b013e3182661ef6

Impact Factor: 8.25; 5 Year Impact Factor: 8.40

Price, C. C., Favilla, C., **Tanner, J. J.**, Towler, S., Jacobson, C. E., Hass, C. J....& Okun, M. S. (2011). Lateral ventricle volume is poor predictor of post unilateral DBS motor change for Parkinson's disease. *Parkinsonism & related disorders*, 17(5), 343-347. doi:10.1016/j.parkreldis.2011.01.018

Impact Factor: 3.27; 5 Year Impact Factor: 3.36

Price, C., Garrett, K. D., Jefferson, A., Cosentino, S., **Tanner, J.**, Penney, D., Swenson, R., et al. (2009). Leukoaraiosis Severity and List-Learning in Dementia. *The Clinical Neuropsychologist*, 23(6), 944–961. doi:10.1080/13854040802681664

Impact Factor: 1.58; 5 Year Impact Factor: 2.10

BOOK CHAPTERS

Price, C. C., **Tanner, J.**, Monk, T. G. (2011). Post operative cognitive disorders. In G. Mashour (Ed), *Neuroscientific Foundations of Anesthesiology*, Oxford University Press.

REFEREED PUBLISHED ABSTRACTS

Hardcastle, C., Huang, H., **Tanner, J.J.**, Parvataneni, H.K., Ding, M., Price, C. C. (2019). The left angular gyrus and dorsal anterior cingulate cortex: Key regions for pre-post operative functional resting state decline? *Anesthesia & Analgesia*, 128 (5), p.433.

Crowley, S.J., Rodriguez, K., **Tanner, J.J.**, Ding, M., Price, C. (2019). Considerations for individuals with Parkinson's disease: Basal nucleus of meynert resting state connectivity associates with executive deficits. *Anesthesia & Analgesia*, 128 (5), p.399.

Dion, C., Wiggins, M., Hardcastle, C., Huang, H., Amini, S., Penney, D., Davis, R., Ding, M., **Tanner, J.J.**, Price, C. (2019). Understanding functional connectivity contributions to digital cognitive

preoperative screening tests: Digital clock drawing (dCDT) graphomotor features. *Anesthesia & Analgesia*, 128 (5), p. 449.

Wiggins, M., Dion, C., Hardcastle, C., Huang, H., **Tanner**, J.J., Penney, D., Davis, R., Ding, M., Price, C. (2019). Understanding functional connectivity contributions to digital cognitive preoperative screening tests: The digital maze (dMaze). *Anesthesia & Analgesia*, 128 (5), p. 496

Cardoso, J. S., Terry, E. L., **Tanner**, J. J., Sibille, K. T., Lai, S., Deshpande, H. Deutsch, G., Goodin, B. R., Bradley, L. A., Price, C. C., Fillingim, R. B., & UPLOAD Team. (2018, Nov). Differences in the association of neuropathic pain with altered amygdala and postcentral gyrus morphology in individuals from different race groups with or at risk for knee osteoarthritis. Poster presented at the Society for Neuroscience, San Diego, CA.

DeFeis, B., **Tanner**, J., O'Shea, D., De Wit, L., Mejia, A., Amofa, P., Mayewski, S., Chandler, M., Smith, G., (2018, Nov). Mediation of periventricular white matter hyperintensity burden, cognition, depression, and quality of life in older adults with amnesic Mild Cognitive Impairment. Poster presented at the Society for Neuroscience, San Diego, CA.

Wiggins ME, Jones J, **Tanner** JJ, Schmalfuss I, Aalaei-Andabili SH, Beaver T, Price CC. Atrial Fibrillation Patients have Unique Regional Leukoaraiosis and Cognitive Profiles Relative to Non-Atrial Fibrillation Peers. Poster presented at the 2019 International Anesthesia Research Society Meeting, Chicago, Illinois, April 2019.

Tanner, J. J., Fillingim, R. B., Price, C. C., UPLOAD-2 Teams at UF and UAB, & Sibille, K. T. (2019). Ethnic and Sociodemographic Group Differences in Non-frontal Brain Regions. *Journal of the International Neuropsychological Society*, 25(S1), I-422. doi:10.1017/S1355617719000663

Dion, C., Amin, M., Hizel, L., Hardcastle, C., Crowley, S., Wiggins, M., Davis, R., **Tanner**, J., Mareci, T., & Price, C. (2019). Implications of frontal and parietal structural connectomics in total completion time of the Digital Clock Drawing Test. *Journal of the International Neuropsychological Society*, 25(S1), I-422. doi:10.1017/S1355617719000663

Hardcastle, C., Amin, M., Crowley, S., Vanderbilt, D., Wiggins, M., Dion, C., Hizel, L., **Tanner**, J., Vaillancourt, D., Mareci, T., & Price, C. (2019). Hippocampal free water and episodic memory in Mild Cognitive Impairment. *Journal of the International Neuropsychological Society*, 25(S1), I-422. doi:10.1017/S1355617719000663

O'Shea, D., **Tanner**, J., Chandler, M., De Wit, L., Mejia, A., DeFeis, B., Amofa, P.A., & Smith, G. (2019). Prediction of response to behavioral interventions with MRI-based hippocampal subfields in Mild Cognitive Impairment: Preliminary findings. *Journal of the International Neuropsychological Society*, 25(S1), I-422. doi:10.1017/S1355617719000663

Crowley, S., Zeblysky, P., **Tanner**, J., Ding, M., & Price, C. (2019). Differences in basal nucleus of Meynert resting state connectivity between statistically-derived cognitive subtypes of Parkinson's disease. *Journal of the International Neuropsychological Society*, 25(S1), I-422. doi:10.1017/S1355617719000663

Huang, H., Tanner, J., Parvataneni, H., Price, C., Ding, M. (2018, Nov). Changes in Inter-Network Functional Connectivity Following Orthopedic Surgery. Poster presented at the Society for Neuroscience, San Diego, CA. Poster International 10/23/2018

Terry, E. L., **Tanner**, J. J., Cardoso, J. S., Sibille, K. T., Lai, S., Deshpande, H. Deutsch, G., Goodin, B. R., Bradley, L. A., Price, C. E., Fillingim, R. B., & UPLOAD Team. (2018, Nov). Experiences of discrimination is differentially associated with pain-related brain structure in male and female individuals from different race groups with or at risk for knee osteoarthritis. Poster presented at the Society for Neuroscience, San Diego, CA.

- Johnson, A. J., **Tanner**, J. J., Terry, E. L., Cardoso, J. S., Garvan, C., Staud, R., Deutsch, G., Deshpande, H., Lai, S., McEwen, B., Goodin, B. R., Price, C., Fillingim, R. B., & Sibille, K. (2019, April). Resilience and Pain-Related Areas in the Brain: Consideration of Sex and Ethnic/Race Differences. Poster presented at the American Pain Society Conference, Milwaukee, WI.
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- Tanner**, J. J., Mitchell, S. M., Towler, S., Mahfood, D., Price, C. C., Heilman, K. M., Libon, D. J. (2007). *Dissociations between regional leukoaraiosis on learning and memory*. Abstract presented at the 3rd biannual meeting of the International Society for Vascular Behavioural and Cognitive Disorders

Mitchell, S.M., **Tanner**, J.J., Price, C., Loring, D.W., Heilman, K.M., and Libon, D. J. (2007). The Contribution of Regional Leukoaraiosis to Executive Dysfunction in Dementia. Information Processing Speed and Graphomotor Impairment. Abstract presented at the 3rd biannual meeting of the International Society for Vascular Behavioural and Cognitive Disorders.

SPEECHES AT PROFESSIONAL CONFERENCES / MEETINGS

Fiber Tracking Alexander, DeLong, & Strick Circuits: Considerations for Reliability and Applications to Neurodegenerative Diseases. Symposium on Considerations for Structural Neuroimaging in Neurodegenerative Disorders, INS, Montreal, Canada, 2012.

Dissociating Gray and White Matter Contributions to Verbal List Learning and Memory. The International Neuropsychological Society (INS). Boston, MA, 2011.

Dissociations between regional leukoaraiosis on learning and memory. The International Society for Vascular Behavioural and Cognitive Disorders (VAS-COG), San Antonio, TX, 2007.

OTHER PROFESSIONAL PRESENTATIONS

Verbal memory in idiopathic non-demented Parkinson's disease: A structural MRI and quantitative white matter tractography analysis. Presented at Postdoctoral Investigator Poster Session of the Parkinson's Action Network (PAN) Leadership Forum, February 2014, Washington, D.C.

Dissociating Gray and White Matter Contributions to Verbal List-learning and Memory. Institute of Learning in Retirement, UF Student Research-on-Aging Symposium, 2011.

Investigating the regional influences of white matter abnormalities on Cognition in dementia
Co-presentation given February 2008 at the University of Florida Center for Neuropsychological Studies.

DISSERTATION

Tanner, J. J. (2013). *Verbal memory in idiopathic non-demented Parkinson's disease: A structural MRI and quantitative white matter tractography analysis.* Advisor: Catherine C. Price, PhD, University of Florida

MASTER'S THESIS

Tanner, J. J. (2006). *Measuring Reliable Change of Neuropsychological Test Scores in Patients with Acute Respiratory Distress Syndrome.* Advisor: Ramona O. Hopkins, PhD, Brigham Young University.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

2006 – present International Neuropsychological Society

2007 – 2012 The International Society for Vascular Behavioural and Cognitive Disorders (VAS-COG)

PROFESSIONAL ACTIVITIES

- Ad hoc peer reviewer for Journal of Gerontology: Biological Sciences, Brain Structure & Function, Movement Disorders, Neuropsychology, NeuroImage, NeuroImage: Clinical, Archives of Clinical Neuropsychology, Psychiatry Research: Neuroimaging, The Journal of the International Neuropsychological Society, The Clinical Neuropsychologist, and PLOS ONE
- Member of International Neuropsychological Society 2015 Program Committee

- Attended 2010 FreeSurfer course at Massachusetts General Hospital for training in brain MRI processing and analysis
- Member of Clinical and Health Psychology student Neuropsychology Seminar Committee (2007-2008)
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