

Catherine Price, Ph.D., ABPP/CN

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Education:

09/02-08/04

University of Florida, Gainesville, Florida

Fellowship: NIA Funded 2-year post-doctoral clinical-research position Grant Title: Predictors of Post-Operative Cognitive Function in Older Adults Advisors: Dawn Bowers, Ph.D., Terri Monk, M.D., Christiana Leonard, Ph.D.

09/97-08/02

Drexel University, Philadelphia, Pennsylvania

Ph.D. Clinical Psychology Doctoral Program, specialty in neuropsychology
Dissertation Topic: The Role of Verb Knowledge in Sentence Comprehension Deficits of Individuals with Alzheimer's Disease and Frontotemporal Dementia Advisor: Murray Grossman, M.D., Ed.D.

07/01-06/02

University of Florida, Gainesville, Florida

Residency: Department of Clinical and Health Psychology Internship Clinical Psychology Internship Program, specialty in neuropsychology

08/95-07/97

University of Central Florida, Orlando, Florida

M.S. Clinical Psychology Master Program Thesis Topic: The Generation Effect and Alzheimer's Disease Advisor: Alvin Wang, Ph.D.

08/92-05/95

University of Central Florida, Orlando, Florida

B.S. honors Bachelor of Science, Psychology Honor's Thesis: Schizophrenia and Homographic Word Association Advisor: Alvin Wang, Ph.D.

University Positions:

07/2013-present **University of Florida, Gainesville, Florida**

Associate Professor with tenure (clinical, teaching, and research responsibilities)
Paul Satz Term Professor/ UF Preeminent Term Professor
Director, Perioperative Cognitive Anesthesia Network
Department of Clinical and Health Psychology
Joint appointment in the Department of Anesthesiology
Licensed Psychologist, Florida / Board Certified in Clinical Neuropsychology

09/05-07/2013

University of Florida, Gainesville Florida

Assistant Professor with clinical, teaching, research responsibilities
Department of Clinical and Health Psychology
Joint appointment in the Department of Anesthesiology
Licensed Psychologist, Florida

09/04-09/05

University of Florida, Gainesville, Florida

Research Assistant Professor with clinical and research responsibilities Joint appointment in the Departments of Clinical and Health Psychology/ Anesthesiology Clinical Neuropsychology specialty Licensed Psychologist, Florida

Areas of Specialization:

Adult Neuropsychology /Dementias and Movement Disorders /Post Operative Cognitive Dysfunction/ Delirium/ Structural Neuroimaging/ White Matter and Cognition/ Cardiac Disorders and Cognition

Licensure: Clinical Psychologist (Florida; PY6996); APA Board Certified in Clinical Neuropsychology

Brief Description of Current Positional Roles:

Director, UF Health Perioperative Cognitive Anesthesia Network (PeCAN):
2018

Summary of the 3 PeCAN program components: PeCAN Clinic- The PeCAN clinical program is described by international research and clinical colleagues of the American Society of Anesthesiology's Brain Health Initiative as the *model* perioperative cognitive anesthesia clinic for surgical settings. We piloted the clinical program for two years within the UFHealth presurgery anesthesia clinic prior to implementation (Amini et al., 2019). Implementation was feasible due to years of close collaboration with anesthesiology, our research and clinical science establishing need for the program, and – most importantly - the solid/strong neuropsychology training program within the Clinical and Health Psychology Department at the University of Florida. Briefly, the anesthesia staff administers a clock drawing command and copy condition with a 3-word memory repeat and recall to each adult age 65 or older presenting for elective surgery with anesthesia. Individuals who fail one of these components (or reports concern for delirium or memory concerns) are referred by anesthesiology staff to a dementia specialty neuropsychologist. The *on-site* neuropsychologist is responsible for interview, neurobehavioral exam with psychometrist, rapid feedback, and report generation to alert anesthesiology, surgeons, and primary care physicians about the patients' cognitive status and potential vulnerability for cognitive change. On average, 30 to 40 older adult patients are seen a week. Since August 7th, 2017, PeCAN has evaluated over 1500 adults over the age of 65 with suspected cognitive impairment. PeCAN Interdisciplinary Training: A unique component of the PeCAN program is the broader goal of interdisciplinary training on brain-behavior-anesthesiology interactions for anesthesiology, neuropsychology, neuroscience, surgeons, and biomedical engineering. To this end, residents and medical students at the UF College of Medicine attend periodic didactics on the utility and standardized administration of cognitive screeners. Discussions include the rationale for incorporating cognitive tools into preoperative settings and the cognitive profile, and behavioral presentation, of highly prevalent neurodegenerative conditions (e.g., Alzheimer's disease, Parkinson's disease). Psychology trainees from a various specialties, and at the doctoral and predoctoral level, have participated in didactics as well as Grand Rounds in the Department of Anesthesia, Cardiothoracic Surgery, Neurosurgery, Gastroenterology, and General Surgery. PeCAN Research: Though in its infancy, trainees affiliated with the PeCAN program have already produced numerous peer-reviewed publications and presentations at national and international conferences focused on neuropsychology, anesthesia, and Alzheimer's

disease research. The program supported by federal research, private research, donors, and clinical endeavors. For media discussions and more information on the PeCAN please see: <https://pecan.phhp.ufl.edu/>.

Research - I designed my laboratory and research around two primary aims. **First**, to understand the relative contribution of brain white matter integrity versus subcortical gray matter structure integrity on the cognitive profiles associated with neurodegenerative subcortical diseases (e.g., small vessel vascular dementia/Alzheimer's disease spectrum disorder, Parkinson's disease). **Second**, to *apply* this knowledge towards more collaborative and longitudinal research examining the predictive value of these patients' white and gray matter structure integrity on a) disease associated cognitive decline and b) vulnerability to cognitive change after elective medical interventions with anesthesia (e.g., major orthopedic surgery). Federally funded and non-profit institutions have and continue to support both of these research aims (NIA R01; NINDS R01; NINR R01; NSF; NINDS K23; NIA F-32 post-doctoral training award; Alzheimer's Association; National Parkinson Foundation). An important research **subaim** of my laboratory involves furthering appreciation for reliable and valid neuroimaging and cognitive assessment approaches for examining cognitive-structure dissociations/associations.

<https://pricelab.phhp.ufl.edu/>

Teaching Research Mentorship - Since beginning a tenure-accruing line at UF in 2005, I have served as an active research mentor (Chair) to undergraduate honor students, graduate masters and doctoral levels students, neuropsychology interns, summer research medical students, and neuropsychology post-doctoral fellows. I am also directing a research-training program called the Perioperative Cognitive Anesthesia Network (PeCAN) for Alzheimer's Disease and Related Dementias which provides information for I also serve as a committee member on graduate theses and dissertations. For UF undergraduate students, I am actively involved in mentoring UF undergraduate student honor theses and UF University Scholar Students, as well as to undergraduates who are engaging in independent research for credit (CLP 3911). All undergraduate students have progressed towards either graduate school or a medical degree. For graduate students, I currently mentor six graduate students within my home department of Clinical and Health Psychology. All of the previous doctoral students have completed internship appointments (New Mexico, Duke University, Chicago-Rush), and successfully completed post-doc or are on post-doctoral appointments. I also mentor post-doctoral trainees completing research objectives via training grants. Medical students are involved in my laboratory, as well, and are actively involved with the other trainees. My goal for all students: research project completion, project presentations, first author manuscript submission/publications, grant submission (i.e., NRSA submission for graduate students, occasional interns; F and K mechanism applications for post-doctoral fellows) and overall enjoyment for the rigors/excitement of research.

Clinical (Practicum)-Based Teaching- My clinical service to involves training and supervising predoctoral graduate students, interns, and postdoctoral trainees in 1) neuropsychological assessment of adults for various cognitive profiles and disorders, and 2) neuropsychological assessment of cognitive risk to anesthesia and surgical stressors for older adults electing surgical procedures with anesthesia. When I provide clinical mentorship to trainees on traditional neuropsychological assessment (formal full assessments), my clinical team typically includes a representative from each level (core graduate student to postdoc) as well as one or two psychometrists for Medicare billing purposes. When I provide clinical mentorship to trainees as part of the Perioperative Cognitive Anesthesia Network (PeCAN), the trainees are 1) trained in rapid neuropsychological examinations, 2) how to on-site rapidly interpret scores and profile, 3) how to provide same visit interpretative and constructive feedback to patient and family, 4) how to work collaborative with a large set of perioperative nurses/physicians/staff, and 5) how to write jargon-free physician friendly notes for anesthesiologists/surgeons/and primary care physicians to rapidly use for optimizing pre-operative patient care. My goal is for all trainees to advance their understanding of the neuropsychology of behavioral disorders and specifically dementia/movement disorders/post-operative cognitive dysfunction/cardiac disorders.

Classroom-Based Teaching - My area of graduate teaching expertise is neuropsychological assessment and case integration. I have most frequently taught the graduate course ‘Neuropsychological Assessment of Adults’; (CLP 7427; 3 credits) which is required for graduate students in the neuropsychology specialty and taught once every two years. I also developed a more advanced elective course for neuropsychology specialty graduate students titled ‘Neuropsychological Theory and Case Integration’ (CLP 7934; 3 credits; next course during Summer 2020). Here advanced graduate students acquired an improved understanding for neuropsychological principles, controversies, and clinical applications. This course is devoted to discussing selected readings from classic neuropsychological/neurological literature and their relevance to clinical assessments. Teams create a podcast on one of the course topics (e.g., Kluver Bucy). Podcasts were presented at the end of the semester and then uploaded for public dissemination. As part of our department’s previous on-line psychometry training program (<http://psychom.phh.ufl.edu/courses.html>) I co-developed a secure/application-required psychometry training course targeting adult neuropsychological test administration. In general, my teaching objective for graduate students in our program is to provide a well-rounded appreciation and understanding for neuropsychological approaches and theories, in order to ensure more thoughtful and careful research application and clinical interpretation. For other departments (Anesthesiology, Neurology, and Neuroscience) I provide lectures on my research topics described above and teach associated students about principles of neuropsychology and brain-behavior relationships.

Service -

- Administrative service to the my department, college and university includes serving on the College of Public Health and Health Professions Faculty Council (ongoing since 2014-2020; Chairwoman in 2016-2017); faculty search committees; CHP Department’s graduate student and internship admissions committees; CHP neuropsychology area post-doctoral search committee (Chair); CHP Department’s executive committee; curriculum committee; two year service to the College of Public Health and Health Professions research committee. For our neuropsychology area, I served as the Neuropsychology Area Division Chief (July 2018-July 2019). I have additionally served as the primary coordinator for the student neuropsychology seminar series and as the first tier reviewer for all graduate applicants. I was the UF representative for the Association for Doctoral Education in Clinical Neuropsychology (ADECN), which is a national association, devoted to improving neuropsychological programs throughout the country. For the greater field of neuropsychology internationally, I advocate the need for sophisticated preoperative brain/cognitive research addressing individual brain/cognitive profile assessment for predicting post-operative delirium and cognitive complication risk, and the need for preoperative cognitive assessments to enhance personalized medicine for the older adult electing surgery. I am a member of the American Society of Anesthesiologists (ASA) Brain Health Initiative, and the ASA Toxicity Workgroup. For the past two years I have been an active member and presenter at the International Anesthesiology Research Society, where I organize/conduct workshops on brain-behavioral considerations for the older adult patient, symposium presentations with colleagues (from Harvard, Duke), and supported neuropsychology graduate student and medical student presentations/travel to these conferences for the dissemination of brain-behavioral knowledge relative to perioperative cognitive brain health. I have provided grand rounds on this topic at major universities throughout the US. I have recently been elected to the executive board for the Alzheimer’s Association International Society to Advance Alzheimer’s Research and Treatment (ISTAART) Perioperative Cognition and Delirium Professional Interest Area Group
- Other Local Service: For our local hospital (Shands), I am the neuropsychology faculty representative for the UF&Shands Nursing Improving Care for Healthy Elders (NICHE), provide quarterly memory screenings at a large older adult retirement community (The Villages, Florida) for improved community awareness of dementia and Parkinson’s disease, conduct quarterly lectures for support groups (National Parkinson’s Foundation, Alzheimer’s disease).
- Service to my research specialty includes grant reviews for NIH, the Alzheimer’s Association, as well as other local grant supporting agencies. Journal reviews for neuropsychology, neurology, and surgery journals.

Other Experience and Professional Memberships

1997-present International Neuropsychological Society
 1999-present American Psychological Association (APA) Division 40
 2009 Invited Presenter: Postoperative Cognitive Dysfunction, International Neuropsychological Society Conference
 2015 Invited Member, International Nomenclature Initiative
 2016 Invited Member and Speaker; Neurotoxicity Workgroup
 2016 Anesthesia Society of America (ASA) Brain Health Initiative Key Speaker
 2016-present NIH review committees; typically 4-5 per year for specialty panels or as additional reviewer

Honors

1995 University of Central Florida Psychology Undergraduate Student of the Year
 1998 Philadelphia Neuropsychology Society President's Research Award
 2003 P.E.O. Scholar Award (International women's educational organization)
 2006 University Undergraduate Scholar Mentor of the Year, UF, Gainesville, Florida
 2008 Mentor Award for University Scholar Program
 2010, 2013 NIH Loan Repayment Recipient
 2012 Research Mentor Award; Clinical and Health Psychology, University of Florida
 2013 UF Provost's Assistant Professor of Excellence Award
 2014 Paul Satz Term Professorship in Clinical Neuropsychology
 2014 UF Research Foundation Professor Award
 2018 UF Superior Accomplishment Award, Faculty, UF Division 5
 2018 UF Pre-eminent Term Professor
 2019 UF Innovation Award for the Perioperative Cognitive Anesthesia Network (PeCAN)
 2020 Fellow Status, Division 40, American Psychological Association
 2021 The Arthur Benton Award for Mid-Career Research, International Neuropsychological Society
 2021 Invited NIH study section member, Aging Systems and Geriatrics (ASG)

Current Professional Organizations:

International Neuropsychological Society, American Psychological Association (APA), Division 20, Division 40; American Society of Anesthesiology (ASA) Brain Health Initiative; Society of Advancement of Geriatric Anesthesia (SAGA); Alzheimer's Association ISTAART, elected committee member of Perioperative Cognitive and Delirium PIA

Grants:

In Review with NIA Program Officer

COVID Supplement to R01 AG055337-02 (PI, Price)

Title: Perioperative Digital Technologies for Older Adults Electing Surgeries in the COVID Era

This supplement addresses the need for digital technologies to assess how COVID+ history contributes to postoperative outcome for preoperative outcome.

Current Funding

ADRD Supplement to R01 AG055337-02 (PI, Price)

Title: SUPPLEMENT to PRECEDE: PREsurgical Cognitive Evaluation via Digital clockfacE drawing

This supplement addresses the role of baseline preoperative inflammatory and ADRD biomarkers on pre and post-operative cognitive change following surgery.

R01 AG044518 (Site PI, Price; Study PI: Inouye at Harvard) 09/2020-08/2025

2.4 calendar

Title: Better Assessment of Illness: Delirium Severity Measures for Persons with and without Dementia

I am the site PI for a 3-site study (UF, Harvard, Mt. Sinai) addressing delirium evaluation in older adults with Alzheimer's disease. This study leverages the PeCAN program to identify patients with AD who are entering the hospital and having surgery. Patients are followed longitudinally for cognitive change and delirium as part of a multi-center investigation on delirium in AD.

Role: Site PI

K07 AG066813 04/2020-09/2025 4.68 calendar
 Title: Perioperative Cognitive Anesthesia Network (PeCAN) Program for Alzheimer's Disease and Related Dementias Via the K07 mechanism and institutional support, the applicant will leverage novel perioperative clinical and state-of-the art institutional facilities to develop an institutional wide research and training program addressing these problems. The proposed program will result in improved awareness of cognition and memory status in older adults prior to surgical procedures with anesthesia, intensify collaborative research addressing brain-behavior-anesthesia interactions through both animal and human research approaches, and promote translation of research findings to clinical care.

State of Florida E&E Alzheimer's Funding 07/2019-06/2021 0.8 effort
 Impact of total knee replacement surgery on trajectory of cognitive decline in individuals with mild cognitive impairment (MCI)
 Pilot study addressing if individuals with mild cognitive impairment will randomize to two different anesthesia approaches and acquire longitudinal imaging. Data are being applied to renewal R01 to NIA (date due: January 2020).

R01 AG055337-02 (PI, Price) 08/2017-07/2022 2.4
 calendar
 NIH NIA; Surgery Anesthesiology Trauma Study Section; Reviewed in 02/17
 Title: PRECEDE: PREsurgical Cognitive Evaluation via Digital clockfacE drawing
 This proposal builds upon pilot investigations demonstrating that digit clock drawing provides unique insight into cognition of older adults having major elective surgery and risk for post-operative complications.
 Role: Contact PI/ Co-PI with colleague Patrick Tighe, M.D., M.S., Department of Anesthesiology, UF

R01NS052318 (PI, Vaillancourt) 07/01/16-06/30/21 0.6 calendar
 NIH NINDS
 Scaling and Sequencing Motor Output in Humans: fMRI study

This study examines motor output and elements of cognition in older adults with Parkinson's disease. Role: Co-Investigator

R01AG054370 (PI, Sibille) 08/01/16-07/30/21 1.2 calendar

NIH NIA

Health Disparities in Osteoarthritis: Biological Aging, Stress, and Pain (Sibille).

This study examines elements of stress and pain in older adults with and without osteoarthritis. Neuroimaging modalities are incorporated as part of the methodological approach.

Role: Co-Investigator

Completed:

Completed Funding

CTSI Specialty Pilot Research 01/2019-06/2019 0 effort

UF Learning Healthcare Initiative

Title: Learning Healthcare Initiative for Delirium Monitoring of At Risk Adults

I was requested to lead this study in order to assess delirium accuracy and cognitive vulnerability of older adults entering the hospital with hip fractures. Data from this grant are showing 27% rate of delirium within the hospital. Data are being applied to changes in hospital infrastructure, and R01 (through a RFA mechanism due January 2020).

CABHI (PI, Price) 07/2019-03/2020 0.8 calendar

Title: Using intuitive eLearning to provide personalized training to informal caregivers of patients with dementia during the discharge process

UF Health Partnership with Trualta – a private industry providing educational resources to caregivers of individuals with Alzheimer's disease. This partnership was requested by private industry and UF leadership, to promote caregiver education.

R01 N5082386-01 (PI, Price) 04/01/13 to 09/30/19; in NCE 3.4 calendar

NIH NINDS

Title: White Matter Connectivity and PD Cognitive Phenotypes

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.

R01 NIH (PI, Cohen) 07/01/13-06/30/18 1.2 calendar

NIMH

Title: Obesity and type-2 diabetes: Bariatric surgery effects on brain function.

The study purpose is to examine the benefit of bariatric surgery on memory and thinking among obese adults. Role: Co-Investigator

NSF 13-543 (UF based PI, Price) 07/01/13-09/30/18 0.6 calendar

Title: SCH: EXP: Collaborative Research: THink - Inferring Cognitive State From Subtle Behaviors

This study will use smart technology to examine patterns of cognitive function relative to neuroanatomical connections in

Parkinson's disease and healthy adults.

Role: UF based PI (collaborative grant between UF and MIT)

R01 NR014810-01 (PI, Price)

09/27/12 – 06/30/18

3.4 calendar

NIH NINR

Title: Neuroimaging Biomarkers for Post-Operative Cognitive Decline in Older Adults

This study will determine the extent that preoperative white matter integrity predicts type of post-operative cognitive decline after major orthopedic surgery in older adults.

Supplement to R01NS082385-01A1 (Price/Levy) 07/01/13-06/30/18

0.0 calendar

Title: Research Supplement to Promote Diversity in Health-Related Research (Admi Supplement) to White Matter Connectivity and PD Cognitive Phenotypes

This diversity supplement will support research training for an excellent post-doctoral candidate, Shellie-Ann Levy, M.S. (current resident within our internship program).

Role: PI/ Mentor to Levy

K23NS060660_01 (PI/Trainee: Price)

2.0 calendar

NINDS

White Matter and Cognition in PD

New Investigator Training Grant to investigate the role of white matter on cognitive function in individuals with idiopathic Parkinson's disease relative to a group of healthy age matched adults. Patients are followed yearly for cognitive change.

Role: PI/ Trainee; Primary Mentor: Dawn Bowers, Ph.D.

RCI HL 100195-01 (PI: Beaver)

0.0 calendar

NHLBI

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

Role: Co-investigator; supervising student who assists with brain imaging analysis Principal Investigator: Price, Catherine, Elizabeth Clinical trial examining two different treatment options for atrial fibrillation and vascular disease contributors (i.e., white matter abnormalities).

National Parkinson Foundation (PI: Price)

0.1 calendar

Non-cardiac surgery and PD: A "Proof of Principle" Study

Role: Principle Investigator, 1% effort, pilot funds \$24,000

Supported pilot data collection to post operative cognitive dysfunction in Parkinson's disease relative to non-surgery peers.

IIRG-06-27542 (PI: Libon)

0.6 calendar

Alzheimer Association

The Effect of Leukoaraiosis in Alzheimer's Disease

Role: Co Investigator

Investigated white matter abnormalities (leukoaraiosis) on cognition in Alzheimer's disease.

NOT-OD-09-056 (PI: Price)

0.0 calendar

NINDS

White Matter and Cognition in Parkinson's disease: Summer Research Experiences for Students and Educators; Opportunity for two undergraduate students to work within my laboratory.

Inter-department Award (PI: Price)

0.0

calendar IH Anesthesia Foundation

Postoperative Salivary Cortisol Levels in Older Adults with Mild Cognitive Impairment.

Supported pilot data collection to examine how individuals with Mild Cognitive Impairment respond to non-cardiac surgery. Data are being combined with the NPF grant (see above, as it is still in progress) to discuss surgery in „at risk“ populations.

NIRG-05-14503 (PI: Price)

1.8 calendar

Alzheimer Association New Investigator Award

Non-Cardiac Surgery and AD: Cortisol and Cognitive Decline

Allows examination of whether individuals with Alzheimer's Disease are cognitively vulnerable to non-cardiac surgery and whether this vulnerability relates to elevated post-operative cortisol levels. Data from this study are being combined with other at-risk data (see NPF grant and IH Anesthesia Foundation).

NRA 03-OBPR-03 (PI: Seubert).

3.0 calendar

National Aeronautics and Space Administration (NASA)

Effects of simulated microgravity on anesthetic properties of propofol: A prospective randomized crossover study evaluating safety and efficacy as well as pharmacokinetics, pharmacodynamics and metabolism in human volunteers.

Role: Co Investigator

F32- AG021363 (Trainee: Price)

12 calendar

NIH NIA

Predictors of Post-operative Cognitive Dysfunction (POCD) in Older Adults

Training grant allowing the candidate to obtain experience with post-operative cognitive dysfunction. The study investigated neuroanatomical predictors of post-operative cognitive dysfunction in older adults following total knee replacement surgery.

Role: Trainee/ PI; Mentors: Dawn Bowers, Ph.D., Terri Monk, M.D., Christiana Leonard, Ph.D.

PUBLICATIONS

Books, Co-authored

Lamar, M. & **Price, C.**(2001). Instructor's Manual for Principles of Neuropsychology. Wadsworth/Thomson Learning: Florence, KY.

Books, Contributor of Chapter(s)

1. Price, C.C., McCraney, S., Wiggins, M.E., Alonso, C.H., Dion, C., Arias, F., Hamlet, K., Tighe, P. (In press) Perioperative Cognitive Disorders. In Urman & Kaye. (Eds.) Cambridge Handbook of Anesthesiology. Cambridge University Press.
2. Price, C.C. (2020). Call to Arms for Perioperative Cognitive Medicine Specialists. The Specialist for the American Board of Professional Psychology.
3. Wiggins, M.E., Hernaiz, C., Fahey, B.G., Price, C.C. (2020). Dementia and elective surgeries: Considerations for neuropsychologists. In D. J. Libon, M. Lamar, R.A. Swenson, and K. M. Heilman (Eds.) Vascular Disease, Alzheimer's Disease, and Mild Cognitive Impairment. Oxford University Press.
4. Wiggins, M., Price, C.C. (2019). Leukoencephalopathy. In D. Gu and M.E. (Eds). Dupre Encyclopedia of Gerontology and Population Aging. Springer Publishing.
5. Wiggins, M., Price, C.C. (2019). Mini-mental status examination. In D. Gu and M.E. (Eds). Dupre Encyclopedia of Gerontology and Population Aging. Springer Publishing.
6. Hardcastle, C., Taylor, B., Price, C.C. (2019). Global deterioration scale. In D. Gu and M.E. (Eds). Dupre Encyclopedia of Gerontology and Population Aging. Springer Publishing.
7. Wiggins, M., Price, C.C. (2019). Vascular dementia. In D. Gu and M.E. (Eds). Dupre Encyclopedia of Gerontology and Population Aging. Springer Publishing.
8. Arias, F., Sibille, K., **Price, C.C.** (2019). Post-operative cognitive improvement. In Eckenhoff and Terrando (Eds). The Perioperative Cognitive Disorders, Cambridge University Press.
9. Arias, F., **Price, C.**, Tighe, P. (2019). Delirium and Pain. In Buckenmaiaer, Kent, M., Brookman, J.C., Tighe, P., Mariano, E.R. (Eds). Acute Pain Medicine: Clinical Practice Considerations. Oxford University Press.
10. Libon, D.J., Lamar, M., **Price, C.C.**, Jefferson, A., Swenson, R., Au. R. (2018). Neuropsychological evaluation for vascular dementia. APA Handbook of Dementia. American Psychological Association.
11. **Price, C.C.**, Libon, D.J. (2018). Utilization behavior. Encyclopedia of Clinical Neuropsychology. Springer Publishing
12. Lopez-Zorrilla, A., de Valasco-Vazquez, M., Serradilla-Casado, O., Rao-Barco, L., Grana, M., Chyzyk, D., **Price, C.C.** (2017). Brain white matter lesion segmentation with 2D/3D CNN. In IWINAC, Part 1, LCNS, pp. 392-403.
13. Lopez-Zorrilla, A., de Valasco-Vazquez, M., Seradilla-Casado, O., Rao-Barco, L., Grana, M., Chyzyk, D., **Price, C.C.** (2017). A 2D/3D convolutional neural network for brain white matter lesion detection in multimodal MRI. Proceedings of the 10th International Conference on Compute Recognition Systems CORES 2017, Advances in Intelligent Systems and Computing, 578, DOI 10.1007/978-3-319-59162-9 39.

14. Schwab, N., Monk, T., **Price, C.C.** (2016). Delirium. Encyclopedia of Geropsychology. Springer.
15. **Price, C. C.**, Nguyen, P., Lamar, M., Libon, D. (2015). White Matter Disease, Stroke, and the Heterogeneity of Vascular Dementia. In Waldstein & Elias (Eds.), Neuropsychology of Cardiovascular Diseases (2nd ed.). Taylor and Francis, Phil, PA.
16. Garrett, D. K., **Price, C. C.**, Lamar, M., Giovannetti, T., Delano-Wood, L., Penney, D. L., Swenson, R., Bondi, M.
17. W., Delis, D. C., Libon, D. J. (2012). Assessing verbal and visual serial learning: The California Verbal Learning Test and the Philadelphia (Repeatable) Verbal Learning Test. In Libon, D. J. (Ed.) The Boston Process Approach to Neuropsychological Assessment: A Practitioner's Guide. Oxford University Press.
18. Giovannetti, T., Seter, C., Lamar, M., **Price, C. C.**, Swenson, R., Libon, J. D. (2012). A process approach to understanding concept formation using the Similarities Test. In Libon, D. J. (Ed.). The Boston Process Approach to Neuropsychological Assessment: A Practitioner's Guide. Oxford University Press.
19. Grande, L. J., Rudolph, J. L., Davis, R., Penney, D., **Price, C. C.**, Swenson, R., Libon, D. J., Milberg, W. (2012). Clock drawing: Standing the test of time. In Libon, D. (Ed), The Boston Process Approach to Neuropsychological Assessment: A Practitioner's Guide. Oxford University Press.
20. Libon, D. J., Lamar, M., **Price, C. C.**, Garrett, D. K., Giovannetti, T., Delano-Wood, L., Penney, D. L., Eppig, J., Nieves, C., Bondi, M. W., Swenson, R. (2012). The dysexecutive syndrome associated with Alzheimer/Vascular spectrum dementia syndromes and mild cognitive impairment: An analysis of process and error. In Libon, D. (Ed), The Boston Process Approach to Neuropsychological Assessment: A Practitioner's Guide. Oxford University Press.
21. Lamar, M., Wortzel, H., Libon, D.J., Wambach, D., **Price, C.C.** & Kumar, A. (2012). Section II: Clinical and research findings: Dementia. In Simpson, J. (Ed) Neuroimaging in Forensic Psychiatry. Ealing, UK: WileyBlackwell.
22. **Price, C. C.**, Tanner, J., Monk, T. G. (2012). Post operative cognitive disorders. In G. Mashour (Ed), Neuroscientific Foundations of Anesthesiology, Oxford University Press.
23. Libon, D. J., **Price, C.**, Swenson, R. A., Penney, D., Haake, B., Pennisi, A. (2009). Vascular Cognitive Impairment. In J.R. Festa & R.M. Lazar (Eds.), Neurovascular Neuropsychology (pp. 75-86). New York, NY: Springer.
24. Monk, T. G., & **Price, C.** (2009). How can we prevent postoperative cognitive dysfunction? In L. A. Fleisher (Ed.) Evidence-Based Practice of Anesthesiology: Second Edition (pp. 276-290). Philadelphia, PA: Saunders Elsevier.
25. **Price, C.** & Gravenstein, J. S. (2007). Post Operative Cognitive Dysfunction. In E.B. Lobato, N. Gravenstein, R. R. Kirby (Eds.), Complications in Anesthesia, Hagerstown MD: Lippincott-Williams & Wilkins.
26. **Price, C.** & Monk, T. (2004). Postoperative Cognitive Dysfunction. In C. L. Lake (Chief Ed.), Advances in Anesthesia: vol. 22 (pp. 1-27). Louisville KY: Elsevier Science.

Refereed Publications – *denotes that Price was a primary or co-mentor to the first author trainee; study from Price laboratory

Complete List of Published Work in MyBibliography:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/catherine.price.1/bibliography/40875324/public/?sort=date&direction=ascending>

In Press/ Published (* denotes mentored manuscript)

1. *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*, 111470. doi:<https://doi.org/10.1016/j.exger.2021.111470>
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121. **Price, C.**, Garrett, K., Cosentino, S.A., Jefferson, A.L., Penney, D., Kaplan, E., Swenson, R., Thomas, D. & Libon, D. (2002). Differential cognitive substrates underlying delayed verbal recognition memory in dementia [abstract]. Archives of Clinical Neuropsychology, 17(8), 730-731.
122. **Price, C.**, Davis, K.L., Moore, P., Hills, Campea, S., and Grossman, M. (2001). A proposed modification for the clinical diagnosis of FTD [abstract]. Neurology, 56, A176.
123. Libon, D. J., Lamar, M., Davis, K.L., **Price, C.**, (2001). Aspects of frontal systems dysfunction in dementia [abstract]. Journal of the International Neuropsychological Society, 7 (2), 138.

124. Davis, K. L., **Price, C.**, Moore, P. N., Campea, S., and Grossman, M. (2001). Evaluating the clinical diagnosis of frontotemporal lobar degeneration: A re-examination of Neary et al (1998) [abstract]. Neurology, 56, A144-145.
 125. Consentino, S., Jefferson, A., **Price, C.**, & Spiers, M. (2000). The Cognitive Screening for Medication SelfManagement (CSMS): Performance in older adults [abstract]. The Gerontologist, 40, Special Issue II.
 126. Cosentino, S.A., Jefferson, A.L., Carey, M.E., **Price, C.**, Davis, K.L., Libon, D. J. (2000). An analysis of different diagnostic criteria for vascular dementia [abstract]. Archives of Clinical Neuropsychology, 15 (8), 729-730.
 127. Ryan, L.M., Hill, S.K., **Price, C.**, Berbesque, J.C., Winter, L., Malamut, B.L. (1999). Neuropsychological tests predict independent activities of daily living in patients with dementia [abstract]. Archives of Clinical Neuropsychology, 18(8), 627.
 128. Davis, K. L., **Price, C.**, Fralick Ball, S., & Libon, D. J. (1999). An analysis of errors made by patients with Alzheimer's disease and subcortical Ischaemic Vascular dementia on the 9-word dementia version of the California Verbal Learning Test [abstract]. In A.D. Korczyn (Ed.) Proceedings of the First International Congress on Vascular Dementia in Geneva, Switzerland, v1, Bologna: Italy, 135-139.
 129. **Price, C.**, Davis, K.L., Fralick Ball, S., Libon, D. J. (1999). Towards and operational definition of bradyphrenia. In A.D. Korczyn (Ed.) Proceedings of the First International Congress on Vascular Dementia in Geneva, Switzerland, v1, Bologna: Italy, p. 157-161.
 130. Libon, D., **Price, C.**, Davis, K. L., Fralick Ball, S. (1999). Associations between the Leukoaraiosis scale of Junque and neuropsychological measures. In A. D. Korczyn (Ed.) Proceedings of the First International Congress on Vascular Dementia in Geneva, Switzerland, v1, Bologna: Italy, 87-90.
 131. **Price, C.**, Winters, L., Gitlin, L., Ryan, L., & Malamut, B. (1999). Predicting IADL functioning with the Mini Mental Status Exam [abstract]. The Gerontologist, 39, Special Issue, San Francisco, CA.
 132. **Price, C.**, Lamar, M., Moelter, S., & Spiers, M.V. (1999). The prescription memory task as a predictor of age-related changes in memory [abstract]. Archives of Clinical Neuropsychology, 14(1), 56.
 133. **Price, C.**, Spiers, M., & Lamar, M. (1998). Cognitive screening for medication self-management [abstract]. The Gerontologist, 38, Special Issue. **Reviews**
1. **Price, C.C.**, Fahey, B. (2018). The dementia brain: Considerations for anesthesiologists. International Anesthesia Research Society Review Lecture Publication
 2. **Price, C.**, & McCoy, K. (2004). A primer on the transition from normal aging to Alzheimer's Disease. The Clinical Neuropsychologist, 18 (2), 204-207.
 3. **Price, C.**, (2008, December). A Challenging but Informative Text Reviewing Neuroactive Steroids and Associated Disorders [Review of the book Neuroactive Steroids in Brain Function, Behavior and Neuropsychiatric Disorders]. Psych

Published Refereed Research Abstracts of Papers Presented in Symposia Format (*student mentored)

Not updated with 2019-20 presentations.

1. **Price, C.** (2018, abstract in press). Symposium organizer and presenter: Your patient has memory problems: now what? International Anesthesia Research Society, Chicago, IL.
2. **Price, C.** (2018). Symposium Presenter: The present and future of technology in neuropsychological assessment: What is feasible (and fundable) today, tomorrow and in years to come. Organizer: Melissa

- Lamar, Ph.D. *Journal of the International Neuropsychological Society*, 24(S1), A-325.,p. 91, doi:10.1017/S1355617718000528
3. **Price, C.** (2017). Symposium Organizer/Chair: Interdisciplinary approaches to understanding post-operative cognitive complications in older adults. *Journal of the International Neuropsychological Society*, 23(S1), I-366. doi:10.1017/S1355617717000558
 4. **Price, C.** (2012). Symposium Organizer/Chair: Considerations for structural neuroimaging in neurodegenerative disorders. *Journal of the International Neuropsychological Society*, 18(S1), 114. 40th Annual meeting for the International Neuropsychological Society, Montreal, Canada.
 5. **Price, C.** (2012). Symposium: Controversial topics in neuroimaging: PD as a disconnection syndrome? *Journal of the International Neuropsychological Society*, 18(S1), 200. 40th Annual meeting for the International Neuropsychological Society, Montreal, Canada.
 6. *Tanner, Nguyen, Triplett, Mareci, **Price** (2012). Symposium: Fiber tracking Alexander, Delong & Strick circuits: Considerations for reliability and applications to neurodegenerative diseases. *Journal of the International Neuropsychological Society*, 18(S1), 115. 40th Annual meeting for the International Neuropsychological Society, Montreal, Canada.
 7. Libon, D.J., Penney, D.L., Lamar, M., **Price, C.C**, Swenson, R., Eppig, J., Nieves, C., Garrett, K.D., and Davis, R. (2011). Assessing constructional decision making and response latencies to differentiate patients with dementia and mild cognitive impairment (MCI) using new digital technology. *5th Congress of the International Society for Vascular, Cognitive and Behavioural Disorders (VAS-COG)*, Lille, France.
 8. Libon, D.J., Penney, D.L., Lamar, M., **Price, C.C**, Swenson, R., Eppig, J., Nieves, C., Garrett, K.D., and Davis, R. (2011). Assessing constructional decision making and response latencies to differentiate patients with dementia and mild cognitive impairment (MCI) using new digital technology. In D.J. Libon (ed.) *Neuropsychology and Vascular Cognitive Impairment: Combining Neuropsychological Assessment, Digital Technology, and Brain Imaging to Differentiate Between Dementia, Depression, and Mild Cognitive Impairment*. Symposium the 5th *Biannual Meeting of The International Society of Vascular Behavioural and Cognitive Disorders (VAS-COG)*, Lille, France.
 9. J. Libon, D. L. Penney, M. Lamar, C. C. **Price**, R. Swenson, J. Eppig, C. Nieves,C., K. D.Garrett, R. Davis (2011). Assessing Dementia with the Clock Drawing Test. *5th Congress of the International Society for Vascular, Cognitive and Behavioural Disorders (VAS-COG)*, Lille, France.
 10. **Price, C.**, Brumback, B., Towler, S., Tanner, J., Mitchell, S., Lamar, M., Giovannetti, T., Schmalfuss, I., Heilman, K., Libon, D. J. (2011). Symposium: Re-Examination of the 25% Threshold for Symptomatic Leukoaraiosis. *Journal of the International Neuropsychological Society*, 17(S1), 280. 39th Annual meeting for the International Neuropsychological Society, Boston, Mass.
 11. *Tanner, J., **Price, C.**, Towler, S., Mitchell, S., Lamar, M., Giovannetti, T., Schmalfuss, I., Heilman, K., Libon, D. J. (2011). Symposium: Dissociating Gray and White Matter Contributions to Verbal List Learning and Memory in Dementia. *Journal of the International Neuropsychological Society*, 17(S1), 280. 39th Annual meeting for the International Neuropsychological Society, Boston, Mass.
 12. **Price, C.**, Ward, J., Okun, M. S., Fernandez, H. H., Malaty, I., Gearen, P. (2009). Non-cardiac Surgery, cognitive decline, and PD: A “Proof of Principle” study. *National Parkinson Foundation*, Miami Leadership Conference, Miami, Fl.
 13. **Price, C.**, Moffett, K., Laudanski, K., Gang, Z., Herman, M. (2009). Pilot study on pre-surgery memory impairment and frequency of post-operative cognitive decline. *American Society of Anesthesiology*, New Orleans, La.
 14. *Tanner, J. J., Mitchell, S. M., Towler, S., Mahfood, D., **Price, C.**, and Libon D. J. (2007). Symposium: Dissociations between regional Leukoaraiosis on learning and memory. Presented at the 3rd biannual meeting of the *International Society for Vascular Behavioural and Cognitive Disorders*, San Antonio, Tx.
 15. **Price, C.**, Garrett, K.D., Jefferson, A.L., Cosentino, S. Bettcher, B.M., Giovannetti, T., Penney, D.L., Swenson, R. and Libon, D.J. (2007). Symposium: When does leukoaraiosis (LA) indicate a subcortical

dementia? Comparison of LA groups to Huntington's disease on a list-learning paradigm. 3rd biannual meeting of the International Society for Vascular Behavioural and Cognitive Disorders, San Antonio, TX.

16. **Price, C.**, Garvan, C., & Monk, T (2003). Symposium: Neurocognitive performance of older adults with Post Operative Cognitive Dysfunction (POCD) [abstract]. Anesthesiology, A-899, online publication, <http://www.asaabstracts.com>, Annual Meeting for the American Society of Anesthesiologists, San Francisco, CA.

International Refereed Research Poster Presentations (unpublished)

1. Ahn, A., Tanner, J., Okun, M., **Price, C. C.** (2014). Parkinson's disease is associated with enhanced pain-related disability and the selective loss of gray matter in subcortical regions of the brain related to pain processing. American Academy of Neurology.
2. Giovannetti, T., Fanning, M., Ratcliffe, S., Price, C., Messe, S., Selnes, O., Acker, M.A., Floyd, T. (2014). Cognitive Dysfunction in Aged Adults Following Aortic Valve Replacement for Calcific Aortic Stenosis: A Prospective Cohort Controlled Study. American Academy of Neurology
3. Huang, H., Nguyen, P., Price, C., Ding, M. (2014). Functional Connectivity Analysis of Dorsal and Ventral Caudate in Humans. Society for Neuroscience.
4. Hizek, L. P., Tanner, J. J., Nguyen, P. T., Schwab, N., Lininger, S., & Price, C. E. (2014). Organizational and neuroanatomical contributions to Rey-Osterrieth Complex Figure recall in healthy non-demented older adults. Poster presented at American Academy of Clinical Neuropsychologists Conference. New York, NY.
5. Waters, M., Hedna, S.V., Khanna, K., Miles, W., Price, C., Schmalfuss, I., Robertson, D., Karimi, A., Beaver, T. M. (2014). Thoracoscopic pulmonary vein isolation and atrial appendage ligation (TPVIAL) versus medical management in atrial fibrillation patients with prior stroke. American Academy of Neurology.
6. Penney, Lamar, Libon, Price, Swenson, Scala, Eppig, Nieves, Macaulay, Garrett, Au, Devine, Delano-Wood, Davis (2013). The Digital Clock Drawing Test (dCDT)-Hooklets: A novel graphomotor measure of executive function. International Congress on Vascular and Cognitive Behavioural Disorders. Toronto, CA.
7. Penney, D., Libon, D.J., Lamar, M., **Price, C.C.**, Swenson, R., Eppig, J., Nieves, C., Garrett, K.D., Davis, R. (2011). The Digital Clock Drawing Test (dCDT) - I: Information Contained Within the "Noise". 5th Congress of the International Society for Vascular, Cognitive and Behavioural Disorders (VAS-COG), Lille, France.
8. Libon, D.J., Penney, D.J., Lamar, M., **Price, C.C.**, Swenson, R., Eppig, J., Nieves, C., Garrett, K.D., Davis, R. (2011). The Digital Clock Drawing Test (dCDT) - II: Clock Face Size and Latency in Dementia and Mild Cognitive Impairment. 5th Congress of the International Society for Vascular, Cognitive and Behavioural Disorders (VASCOG), Lille, France.
9. Libon, D.J., Penney, D., Lamar, M., Price, C.C., Swenson, R., Eppig, J., Nieves, C., Garrett, K.D., Davis, R. (2011). The Digital Clock Drawing Test (dCDT) - III: Total Ink on the Page in Dementia and Mild Cognitive Impairment. 5th Congress of the International Society for Vascular, Cognitive and Behavioural Disorders (VAS-COG), Lille, France.
10. Penney, D., Libon, D.J., Lamar, M., **Price, C.C.**, Swenson, R., Sacala, R., Eppig, J., Nieves, C., Garrett, K.D., Davis, R. (2011). The Digital Clock Drawing Test (dCDT) - IV: Clock Drawing Time and Hand Placement Latencies in Mild Cognitive Impairment and Dementia. 5th Congress of the International Society for Vascular, Cognitive and Behavioural Disorders (VAS-COG), Lille, France.
11. *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. 3rd Congress of the International Society for Vascular Behavioural and Cognitive Disorders (VAS COG), San Antonio, Tx.

12. Libon, D.L., **Price, C.**, Mitchell, S.M., Penney, D.L., Swenson, R., and Giovannetti, T. (2007). Assessing Executive Control Deficits in Patients with Subcortical Vascular Disease IV: The Clock Drawing Test. 3rd Congress of the International Society for Vascular Behavioural and Cognitive Disorders (VAS COG), San Antonio, TX.
13. Lamar, M. **Price, C.**, Heilman, K.M., Penney, D.L., and Libon, D.J. (2007). Assessing Executive Control Deficits in Patients with Subcortical Vascular Disease I: The Impact of Region Specific Leukoaraiosis on Working Memory Deficits. 3rd Congress of the International Society for Vascular Behavioural and Cognitive Disorders (VAS COG), San Antonio, TX.
14. Lamar, M., **Price, C.**, Hopkins, M.W., Loring, D.W., Penney, D.L., Swenson, R., and Libon, D.J. (2007). Assessing Executive Control Deficits in Patients with Subcortical Vascular Disease II: The Object Span Test. 3rd Congress of the International Society for Vascular Behavioural and Cognitive Disorders (VAS COG), San Antonio, TX.
15. Bettcher, B.M., Giovannetti, T., **Price, C.**, Penney, D.L., Swenson, R., and Libon, D.J. (2007). Assessing executive control deficits in patients with subcortical vascular disease III: The letter and 'animal' fluency tests. 3rd Congress of the International Society for Vascular Behavioural and Cognitive Disorders (VAS COG), San Antonio, TX.
16. *André, R., Krieger, K., **Price, C.**, Pereira, D., & Herman, M. (2007). Depression and deficits in executive function in older women undergoing surgery for the removal of gynecologic tumors. Annals of Behavioral Medicine, 33, Supplement. 28th Annual Meeting of the Society of Behavioral Medicine, Washington, D.C.
17. *Wood, M., **Price, C.**, Montijo, H., Bowers, D., Schmalzfuss, I., Leonard, C. (2005). Reliability of entorhinal volumetric analysis: A comparison of three approaches. Alzheimer's Association International Convention on Prevention of Dementia, Washington, DC
18. **Price, C.**, Libon, D.J., Schmalzfuss, I., Heilman, K.M. (2005). Severity of subcortical, deep, and periventricular leukoaraiosis: Relationships to cognitive abilities. 2nd Congress of the International Society for Vascular Behavioural and Cognitive Disorders (VAS COG), Florence, Italy.
19. Schmidt, K., **Price, C.**, Libon, D. J., Gallo, J., Penney, D.L., Jefferson, A., and Garrett, K.G. (2005). Assessing the effect of subcortical vascular disease using the '25 percent rule'. 2nd Congress of the International Society for Vascular Behavioural and Cognitive Disorders (VAS COG), Florence, Italy.
20. Lamar, M., **Price, C.**, Schmidt, K., Gallo, J., Penney, D.L., Giovannetti, T., and Libon, D.J. (2005). Working Memory Deficits in Subcortical Dementia. 2nd Congress of the International Society for Vascular Behavioural and Cognitive Disorders (VAS COG), Florence, Italy.
21. Libon, D.J., **Price, C.**, Heilman, K.M., and Grossman, M. (2005) Alzheimer's contribution to our understanding of vascular dementia. 2nd Congress of the International Society for Vascular Behavioural and Cognitive Disorders (VAS COG), Florence, Italy.
22. **Price, C.**, Jefferson, A. L., Monk, T., Libon, D. J. (2003). Providing operational guidelines for the 'Research criteria for Subcortical Vascular Dementia': Part II. 1st Congress of the International Society for Vascular Behavioural and Cognitive Disorders, Goteborg, Sweden.
23. Jefferson, A. L., **Price, C.**, Libon, D. J. (2003). Providing operational guidelines for the 'Research criteria for Subcortical Vascular Dementia': Part I. 1st Congress of the International Society for Vascular Behavioural and Cognitive Disorders, Goteborg, Sweden.

National (Refereed; unpublished)

1. **Price, C.**, Mikos, A. E., Keiski, M., Fernandez, H., Okun, M., Bowers, D. (September 21, 2008). Intact Global Cognition on the DRS-2 in Parkinson Disease may be Misleading. Parkinson Study Group, Salt Lake City, Utah.
2. *Mitchell, S. M., **Price, C.**, Grossman, M. (2006). Verb and noun processing in healthy older adults. Annual Cognitive Aging Conference, Atlanta, Ga.

3. **Price, C.,** LaBarba, R., Cannon-Bowers, J., & Bowers, C. (1996). Decision making in a dual-task environment [abstract]. American Psychologist, Separate Program, American Psychological Association, New York, New York.
4. **Price, C., & Wang, A.** (1995). Schizophrenia and the generation effect with Homographic and nonhomographic stimuli. American Psychologist, Separate Program, APA 003 1995.

Invited Seminars and Participation as Panelist

1. Price, C. C. (2020). Preoperative Cognitive Considerations and Anesthesia Surgical Outcome.
2. Price, C.C. (2019). Pre-operative screening for and evaluation of cognitive impairment. In Eckenhoff's FAER Panel-Perioperative Considerations in the Cognitively Impaired Patient. American Society of Anesthesiology, Orlando, Florida
3. Nye, H., McIsaac, D., **Price, C.**, Zafirova, Z (panel for 2019). Op on pop: A multidisciplinary approach to geriatric perioperative care. International Anesthesia Research Society, Montreal, CA.
4. **Price, C.** (2018). Vascular Dementia. Invited speaker and panelist for the 2012 Florida Neurological Society's Annual Conference, Orlando, Florida
5. **Price, C.** (2018) Co-Chair for TED Talk Learning Lounge---An Interactive Guide to Neuroimaging in Psychology American Psychological Association, Washington, D.C., July, 2018.
6. **Price, C.,** Garvan, C. (2018). Perioperative Cognitive Anesthesia Network. Invited presented for the 1Florida Alzheimer's Disease Research Center, Los Angeles, CA.
7. **Price, C.** (2018). Perioperative Cognitive Disorders and dementia. Invited Visiting Professor. Tufts University.
8. **Price, C.** (2018). Your Patient Has Memory Problems: Now What? International Anesthesia Research Society, Chicago, IL
9. **Price, C.,** Giovannetti, T., Lamar, M. (2018). Interactive Bootcamp for Brief Perioperative Cognitive Assessment. International Anesthesia Research Society, Chicago, IL.
10. **Price, C.** (2018). Artificial Intelligence to Enhance Non-Artificial Cognitive Assessment. Invited speaker with Patrick Tighe and Parisa Rashidi for the Society for Technology in Anesthesia (STA), Turnberry Isle Miami in Aventura, Florida.
11. **Price, C.** (2016). Aging and Surgery Concerns. Invited speaker and panelist of the 2016 Florida Neurological Society's Annual Conference, Orlando, Florida.
12. **Price, C.** (2015). Neuroimaging and Cognitive Considerations for Post Operative Cognitive Decline. Vanderbilt University.
13. **Price, C.** (2012). Executive Disconnexion Syndromes. Invited speaker and panelist for the 2012 Florida Neurological Society's Annual Conference, Orlando, Florida.
14. **Price, C.** (2012). White Matter and Parkinson's Disease. Invited speaker for the 2012 Southeastern Neurological Society, Juniper Beach, Florida
15. **Price, C.** (2011). White Matter and TBI. Invited speaker and panelist for the 2011 Florida Neurological Society's Annual Conference, Orlando, Florida.
16. **Price, C.** (2010). Attention and Executive Function in Aging. Invited speaker and panelist for the 2010 Florida Neurological Society's Annual Conference, Orlando, Florida.
17. **Price, C.,** (2009). Assessing Executive Function. Invited speaker and panelist for the 2009 Florida Neurological Society's Annual Conference, Orlando, Florida.
18. **Price, C.,** (2007) Vascular Dementias: Large and Small Vessel. Invited speaker and panelist for the 2008 Florida Neurological Society's Annual Conference, Gainesville, Florida.
19. **Price, C.,** (2005). Vascular Dementia: Clinical Findings. Invited speaker and panelist for the 2005 Florida Neurological Society's Annual Conference, Orlando, Florida.

Platform Presentations

1. *Schwab, N. A., Tanner, J. J., Faust, M. A., Nguyen, P. T., Coronado, N., **Price, C. C.** (2012). Temporal lobe involvement on delayed verbal memory performance in idiopathic non-demented Parkinson's disease. Florida Society of Neurology, Orlando, FL.
2. *Nguyen, P., Tanner, J., Schwab, N., Ward, J., Hwynn, N., Okun, M., **Price, C.** (2010). Cortical and sub-cortical volumes in cognitively intact right-onset Parkinson's Disease. Florida Society of Neurology, Orlando, FL.

Local Research Posters

1. *Tanner, J. Waters, M., Audette, A., Parvataneni, H., Rice, M., Price, C. (2014, abstract). Preliminary Study: Relationship Between Patent Foramen Ovale and Cerebral Emboli During Total Knee Arthroplasty in Older Adults. Anesthesia Inter-Departmental Conference **Winner of second place award
2. *Nguyen, P., Tanner, J., Schwab, N., Mareci, T., Price, C. (2013) Reliability and validity of diffusion imaging methods assessing caudate to frontal lobe function. College of Public Health and Health Professions Annual Research Fair at the University of Florida, Gainesville, FL.
3. *Slonena, L., Tanner, J., Nguyen, P., Schwab, N., Okun, M., Price. (2013) Blood pressure and side of symptom onset in Parkinson's disease. College of Public Health and Health Professions Annual Research Fair at the University of Florida, Gainesville, FL.
4. *Jamillo, J., Tanner, J., Schwab, N., Nguyen, P., Price, C. (2013) Semantic fluency in Parkinson's disease. College of Public Health and Health Professions Annual Research Fair at the University of Florida, Gainesville, FL.
5. *Mitchell, S. M., **Price, C.**, Tanner, J.J., Towler, S. D., Mahfood, D.M., Heilman, K.M., & Libon, D. J. (2009). Neuroanatomical influences on executive functioning in dementia. 22nd College of Public Health and Health Professions Annual Research Fair at the University of Florida, Gainesville, FL.
6. *Moran, S. M., **Price, C.**, Mitchell, S. M., Towler, S.D., & Tanner, J. J. (2009). The relationship between hippocampal atrophy and leukoaraiosis in Alzheimer's Disease and Ischemic Vascular Dementia. 22nd College of Public Health and Health Professions Annual Research Fair at the University of Florida, Gainesville, FL.
7. *Towler, S. D., **Price, C.**, Mitchell, S. M., & Libon, D. J. (April 16, 2009). Reliability of white matter hyperintensity quantification in brain MRI. Poster session presented at the University of Florida. 22nd Annual College of Public Health and Health Professions Research Day, Gainesville, Florida.
8. *Towler, S. D., **Price, C.**, Mitchell, S. M., & Libon, D. J. (2008). Measuring white matter lesions on brain MRI: A reliability study. Scholars on Aging Community Day, University of Florida, Gainesville, Florida.
9. *Mitchell, S. M., **Price, C.**, Tanner, J. J., Towler, S. D., Mahfood, D. M., Heilman, K. M., Libon, D. J. (2008). The relationships between regional leukoaraiosis, brain structure, and cognition in dementia. Scholar's on Aging Community Day sponsored by the University of Florida Institute for Learning and Retirement, Gainesville, Florida

Teaching/Mentoring:

Graduate Committee Activities:

Applicant's Role	Student	Home Dept.	Complete Date
Chair, Ph.D Committee	Catherine Dion	Clinical and Health Psychology	2023; anticipated
	Elle Wiggins	Clinical and Health Psychology	2022; anticipated
	Samuel Crowley	Clinical and Health Psychology	2021
	Nadine Schwab	Clinical and Health Psychology	2019
	Loren Hizel	Clinical and Health Psychology	2019
	Peter Nguyen	Clinical and Health Psychology	2015
	Mathew Cohen	Clinical and Health Psychology	2013
	Jared Tanner	Clinical and Health Psychology	2013
	Sandra Mitchell	Clinical and Health Psychology	2011
Member, Ph.D. committees	Sabyasachi Bandyopadhyay	Biomedical Engineering	2022
	Manish Anim	Physics	2020
	Sarah Burke	Neuroscience	2018
	Jaylyn Clark	Clinical and Health Psychology	2018
	Earl Crew	Clinical and Health Psychology	2018
	Haiqing Huang	Biomedical Engineering	2018
	Janelle Letzen	Clinical and Health Psychology	2017
	Jacob Jones	Clinical and Health Psychology	2016
	Joseph Gullett	Clinical and Health Psychology	2016
	Wendy Yoder	Psychology	2015
	Wajiha Akhtar	Epidemiology	2015
	Laura Wanderer	Clinical and Health Psychology	2014
	Seema Patidar	Clinical and Health Psychology	2012
	Christopher Sozda	Clinical and Health Psychology	2012
	Jacob Williams	Clinical and Health Psychology	2012
	Ilana Levy	Clinical and Health Psychology	2011
William Watson	Clinical and Health Psychology	2010	

	Shannon Sisco	Clinical and Health Psychology	2010
	Ann E Mikos	Clinical and Health Psychology	2009
	Adrienne Morgan	Clinical and Health Psychology	2008
Chair, Masters Committees	Catherine Dion	Clinical and Health Psychology	2019
	Elle Wiggins	Clinical and Health Psychology	2018
	Samuel Crowley	Clinical and Health Psychology	2016
	Loren Hizel	Clinical and Health Psychology	2015
	Nadine Schwab	Clinical and Health Psychology	2014
	Peter Nguyen	Clinical and Health Psychology	2011
	Rachel Andre	Clinical and Health Psychology	2007
	Ida Kellison	Clinical and Health Psychology	2007
Member, Masters Committees	Lauren Kennedy	Clinical and Health Psychology	2020
	Erin Trifilio	Clinical and Health Psychology	2017
	Renee Degener	Clinical and Health Psychology	2014
	Melissa Laitner	Clinical and Health Psychology	2014
	Lauren Hearn	Clinical and Health Psychology	2014
	Paul Mangal	Clinical and Health Psychology	2014
	Talia Seider	Clinical and Health Psychology	2014
	Landrew Sevel	Clinical and Health Psychology	2014
	Sarah Westen	Clinical and Health Psychology	2014
	Marissa Gowey	Clinical and Health Psychology	2012
	Jacob Jones	Clinical and Health Psychology	2012
	Page Klitzman	Clinical and Health Psychology	2012
	Danielle Lespinasse	Clinical and Health Psychology	2012
	Stacey Maurer	Clinical and Health Psychology	2012
	Samantha Minski	Clinical and Health Psychology	2012
Adam Reid	Clinical and Health Psychology	2012	

	Laura Telpak	Clinical and Health Psychology	2012
	Leah Clionsky	Clinical and Health Psychology	2009
	Nathan Ewigman	Clinical and Health Psychology	2009
	Ryan Fussell	Clinical and Health Psychology	2009
	Kathryn Ross	Clinical and Health Psychology	2009
	Amanda Seib	Clinical and Health Psychology	2009
	Christopher Sozda	Clinical and Health Psychology	2009

OTHER RESEARCH MENTORSHIP COMMITTEES

Medical School Students	Sarah Lopez	College of Medicine	2020-present
	Erin L	College of Medicine	2020-present
	Mitchell Zhang	College of Medicine	2017-2018
	Bailey Frei	College of Medicine	2017-2018
	Kristin Woodward	College of Medicine	2017-2018
	Holly Cunningham	College of Medicine	2012
	Amirah Khan	College of Medicine	2011
	Sarah Mourn	College of Medicine	2011
	Christopher Favilla	College of Medicine	2010
Chair, University Scholar	Sidney Rouse	Health Professions	2017-2018
	Ansley Dennison	Health Professions	2015
	Juliana Jamillo	Health Professions	2013
	Lauren Kelley	Health Professions	2009
	Mary Wood	Interdisciplinary Studies	2006
Chair, Honors Theses	Peter Zeblicky	Health Professions	2018
	Aisha Stevens	Health Professions	2016
	Carlos Hernaiz	Health Professions	2016
	Allison Choi	Health Professions	2015

	Samantha Evans	Health Professions	2015
	Elizabeth Slonena	Psychology	2013
	Kaitlyn O'Sullivan	Psychology	2012
	Nicole Coronado	Psychology	2011
	Tyler Sparks	Interdisciplinary Studies	2011
	John Collazo	Biology	2010
	Holly Cunningham	Biology	2010
	Sena Moran	Psychology	2009
	Sylvia Orozco	Interdisciplinary Studies	2009
	Daniel Mahfood	Interdisciplinary Studies	2008
	Dawn Joseph	Interdisciplinary Studies	2007
Co-Chair,	Michelle Paggi	Psychology	2008
Honor Theses	Jacqueline Nicosia	Psychology	2008

Clinical and Courses

- 10/05-present* **Clinical Practicum Instructor, University of Florida, Gainesville, Florida**
- 2019, 2020* **Developer and Instructor, University of Florida, Gainesville, Florida. Course CLP 7460, 'Neuropsychological Theory and Case Integration'**
- 08/12-present* **Co-Developer and Lecturer, University of Florida, Gainesville, Florida. Psychometry On-line Course, 'Adult Neuropsychological Test Administration'**
- 08/2008* **Instructor, University of Florida, Gainesville, Florida. Course: CLP 640 'Adult Neuropsychological Assessment'**
- 09/06-12/06* **Co-Instructor, University of Florida, Gainesville, Florida Course: CLP 640 'Adult Neuropsychology'**
- 09/02-12/02* **Teaching Assistant, University of Florida, Gainesville, Florida Course: CLP 640 'Adult Neuropsychology'**
- 06/99-08/99* **Adjunct Instructor, Drexel University, Philadelphia, Pennsylvania Course: PSY 140 'Approaches to Personality'**
- 05/98-09/98* **Adjunct Instructor, Drexel University, Philadelphia, Pennsylvania Course: PSY 240 'Abnormal Psychology'**

- 09/97-05/98 **Teaching Assistant, Drexel University**, Philadelphia, Pennsylvania Course: PSY 101 'Intro. to Psychology'; independently taught 11 laboratory sections
- 08/96-12/96 **Teaching Assistant, University of Central Florida**, Orlando, Florida Course: Psych 6216 'Advanced Research Methods' ; taught laboratory portion of the course with SPSS v 7.0, assignment/ test construction.
- 05/90-05/92 **Teaching Assistant, Indian River Community College Marine Science Center**, Ft. Pierce, Florida Course: Marine Ecology for Elementary Students; elementary students completed day-long educational workshops on marine ecology

University Governance and Service:

Department and College Committees

Neuropsychology area head (07/01/18-06/30/19); PPHP Faculty Council (2015-present; 2015-present Vice-Chair);
 Neuropsychology Post-Doctoral Search Committee (09/12-present); 10/08-07/10 College of Public Health and Health
 Profession's Research Committee; 01/08-01/10 Compliance Committee; 01/08-present Psychometry Task Force;
 01/06-01/10 Curriculum Committee; 01/06-05/07 Admissions Committee; 07/10-present Graduate Admissions Committee; 07/10-present Coordinator for Neuropsychology Conference Series; 07/2007-present: Quarterly presenter on post-operative cognitive dysfunction at the UF Anesthesiology Department's Anesthesiology Course for Engineers and Marketers.

Association of Doctoral Education in Neuropsychology: 2012-present Committee Member

UF&Shands Committees: 12-2019 – present: UFHealth Delirium Workgroup; 09/09-2015 NICHE – Nursing Improving Care for Healthsystem Elders; Delirium Task Force

Conference/ Grant Review Committees NIH reviewer multiple years; Abstract Reviewer International Stroke Conference (ISC), American Heart Ass; Grant reviewer for the Alzheimer's Association; 2005 ,2011 Abstract submission reviewer for the International Neuropsychological Society

Journal/ Manuscript/ Book Peer-Review Participation - 2011-2015: An Associate Editor for the Journal of the International Neuropsychological Society; 2011-present: Journal of Contemporary Psychotherapy; Cortex; 2008present Neurology ; 2008-present Movement Disorders; 2008-present PsychCritiques; 005-present Journal of the International Neuropsychological Society; 2004-present Cognitive and Behavioral Neurology; 2009-present Journal of Thoracic Surgery; 2015-present Journal of Alzheimer's Disease (Associate Editor beginning January 1 2016); 2017present;Anesthesia and Analgesia; 2007-present Anesthesiology

Media:

MEDIA INTERVIEW: "Older adults should pay close attention to mental health - - especially during pandemic"; written by M 2020; <https://www.orlandosentinel.com/health/os-ne-medicare-guide-mental-health-coverage-20201021-4qtsddry4nhglliv>

MEDIA INTERVIEW: "Research round-up with Catherine Price, Ph.D., Co-Director of the Perioperative Cognitive Anesthesia Society of Anesthesiologists. Completed interview on November 18, 2020, <https://www.asahq.org/brainhealthinitiative/new>

MEDIA INTERVIEW for NIH website: "Researchers test new approaches to prevent delirium in older adults". Released June 2020; <https://www.nih.gov/news-events/press-releases/2020/06/23-researchers-test-new-approaches-prevent-delirium-older-adults>

