

# Kristen M. Kennedy, Ph.D.

Center for Vital Longevity, School of Behavioral and Brain Sciences  
The University of Texas at Dallas

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[Webpage](#); [Google Scholar](#)

## **EDUCATION:**

### **Wayne State University**

**Detroit, MI 48202**

Doctor of Philosophy in Psychology, emphasis Cognitive Neuroscience,  
Minor: Statistics, Received June 1, 2007, G.P.A.: 4.0

Dissertation: *Age and Vascular Related Differences in White Matter Integrity, Regional Brain Volumes and Cognition: A Combined DTI and Structural MRI Study*  
(Advisor: Naftali Raz, Ph.D.)

### **University of Memphis**

**Memphis, TN 38152**

Doctor of Philosophy Track in Experimental Neuropsychology, G.P.A.: 4.0

Attended one year before transfer with advisor, Naftali Raz, Ph.D.

### **Emporia State University**

**Emporia, KS 66801**

Master of Science degree in Clinical Psychology, emphasis Neuropsychology  
Received May 2000, G.P.A.: 4.0

Thesis: *Establishing Test-Retest Reliability of the Comprehensive Affect and Personality Scales* (Advisor: Stephen F. Davis, Ph.D.)

### **Hendrix College**

**Conway, AR 72032**

Bachelor of Arts degree *with Distinction* in Psychology, Minor: English  
Received June 1996, Cumulative G.P.A.: 3.6, Psychology G.P.A.: 3.92

## **PROFESSIONAL EXPERIENCE:**

### **Research:**

**11/18-present**

**Program Head**, Cognitive Neuroscience Doctoral Degree Program, School of Behavioral and Brain Sciences, University of Texas at Dallas, Dallas, TX.

**09/20- 6/21**

**Co-Chair**, Department of Psychology, School of Behavioral and Brain Sciences, University of Texas at Dallas, Dallas, TX.

**11/18-08/20**

**Area Head**, Cognition and Neuroscience, School of Behavioral and Brain Sciences, University of Texas at Dallas, Dallas, TX. (Transitioned Area organizational structure into Departmental organizational structure.)

**8/18-present**

**Associate Professor with tenure**, School of Behavioral and Brain Sciences, Center for Vital Longevity, University of Texas at Dallas, Dallas, TX.

- 8/18-present**      **Adjunct Associate Professor**, Advanced Imaging Research Center, University of Texas Southwestern Medical Center.  
Alzheimer’s Disease Center, University of Texas Southwestern Medical Center.
- 8/12-8/18**      **Assistant Professor**, School of Behavioral and Brain Sciences, Center for Vital Longevity, University of Texas at Dallas, Dallas, TX.
- 11/12-8/18**      **Adjunct Assistant Professor**, Advanced Imaging Research Center, University of Texas Southwestern Medical Center.  
Alzheimer’s Disease Center, University of Texas Southwestern Medical Center.
- 7/08 to 8/12**      **Research Associate/Postdoctoral Fellow**, Center for Vital Longevity, School of Behavioral and Brain Sciences, University of Texas at Dallas, Dallas, TX  
*Advisor: Denise C. Park, Ph.D.*
- 6/07 to 8/08**      **NIH/AHRQ Postdoctoral Fellowship in Aging and Urban Health, Institute of Gerontology, Wayne State University**, Detroit, MI.  
*Advisor: Naftali Raz, Ph.D.*
- 8/01 to 6/07**      **Cognitive Neuroscience of Aging Lab, Department of Psychology, and Institute of Gerontology, Wayne State University**, Detroit, MI  
**Graduate Research Assistant**  
Relocated the Neuropsychology of Aging Lab from University of Memphis to Wayne State University. Engaged in ongoing longitudinal and cohort group research as described below.  
*Supervisor: Naftali Raz, Ph.D.*
- 8/01 to 5/07**      **Institute of Gerontology/NIA Pre-doctoral Research Training Program in Aging, Wayne State University**, Detroit, MI  
**Pre-doctoral Trainee**  
Participated in graduate training within a multidisciplinary study of aging research and education.  
*Supervisor: Peter Lichtenberg, Ph.D., ABPP*
- 5/00 to 8/01**      **Neuropsychology of Aging Lab, Department of Psychology, University of Memphis**, Memphis, TN  
**Graduate Research Assistant**  
Administered cognitive and neuropsychological tests to research participants. Manually traced corresponding brain volumes from Magnetic Resonance Images. Collected and maintained data and performed statistical analyses for 3 longitudinal studies and 3 cohort studies.  
*Supervisor: Naftali Raz, Ph.D.*
- 5/99 to 8/99**      **Division of Psychology and Special Education, Emporia State University**, Emporia, KS  
**Graduate Research Assistant**  
Performed general office duties for department chair, including management of incoming and current student applications and records, weekly bank deposit, and other miscellaneous departmental paperwork.

*Supervisor: Kenneth A Weaver, Ph.D., Division Chair*

**9/94 to 6/96**

**Hendrix College, Department of Psychology, Conway, AR**

**Undergraduate Assistant**

Assisted four professors by grading tests, analyzing statistics, teaching labs and small research groups. Completed paperwork for department and compiled database system for departmental information.

*Supervisors: Ralph J. McKenna, Ph.D., Timothy D. Maxwell, Ph.D.*

**Teaching:**

**Fall 2015-present**

**University of Texas at Dallas, School of Behavioral and Brain Sciences**

*4385 Neuropsychology: undergraduate elective (70 students/semester)*

**Spring 2013-present**

**University of Texas at Dallas, School of Behavioral and Brain Sciences**

*6338 Functional Neuroanatomy: graduate student core course (65 students/semester)*

**Summer '01**

**University of Memphis, Department of Psychology, Memphis, TN**

**Instructor**

Fully responsible for teaching one section of Introductory Psychology for an intensive 5-week summer session.

*Department Chair: Andy Meyers, Ph.D.*

**8/98 to 5/00**

**Division of Psychology and Special Education, Emporia State**

**University, Emporia, KS**

**Graduate Teaching Assistant**

Independently taught (prepared and delivered daily class lectures, constructed tests, directed demonstrations, graded papers, assignments, and tests) 5 sections of Introductory Psychology, and 1 section of Cognitive Psychology over the span of 4 semesters. Also guest lectured for department courses (e.g., Applied Psychology, Introductory Psychology Lab, Developmental Psychology). Participated in intensive 4-semester teaching training (*Introduction to University Teaching*)

*Supervisor: Stephen F. Davis, Ph.D.*

**Clinical:**

**8/99 to 5/00**

**Mental Health Center of East Central Kansas, Children Services,**

**and Gateway Day-treatment Facility, Emporia, KS**

**Clinical Intern**

Conducted individual, group, and family therapy sessions (total of 750 hours), developed treatment plans, wrote treatment summaries and discharge summaries, scheduled caseload, assessed and evaluated children for intellectual, social, and developmental problems. Conducted psychosocial therapy groups in a day treatment facility for Severely Emotionally Disturbed (SED) children and adolescents.

*Supervisor: Wesley Jones, Ph.D., Director Children Services*

**6/96 to 7/98**

**Psychological Consultants, P.A., Fort Smith, AR**

**Neuropsychological Tester**

Administered and scored neuropsychological testing for two clinical

neuropsychologists in a private practice setting and in several hospitals, health clinics, and a psychiatric clinic. Worked with a patient population ranging from child and adolescent to early adult and geriatric groups. Administered neuropsychological, intellectual, achievement, and personality tests to patients with head injury, stroke, dementia, attention disorder, and learning disability. Responsible for ordering testing materials, general office work, and research compilation.

*Supervisors: Ronald E. Huisman, Ph.D., Mark H. Zacharewicz, Ph.D.*

**3/96 to 6/96**

**Private Residence, North Little Rock, AR**

**Behavior Modification Therapist**

Implemented Lovaas' behavior modification techniques to facilitate learning in nonverbal autistic twins. Created reinforcement schedules and planned learning activities to decrease self-mutilation behavior and to facilitate communication and motor skills.

*Supervisors: Timothy D. Maxwell, Ph.D., Sharon Youngblood*

**3/95 to 6/95**

**Pathway Day Treatment Facility, Conway, AR**

**Volunteer Aid / Internship**

Worked with 18 formerly hospitalized patients with various mental illnesses (primarily schizophrenia) helping facilitate social skills and training for independent living and reintegration into society.

*Supervisor: Timothy D. Maxwell, Ph.D., Sammye Ryas, M.A.*

**Awards and Honors:**

- 2019**      **Age Møller Distinguished Teaching Award**, Behavioral and Brain Sciences, UT Dallas
- 2018**      **Foreign Travel Award**, Behavioral and Brain Sciences, UT Dallas
- 2017**      **Foreign Travel Award**, Behavioral and Brain Sciences, UT Dallas
- 2016-2017**      **Faculty Research Initiative Grant**, Behavioral and Brain Sciences, UT Dallas
- 2016**      **Foreign Travel Award**, Behavioral and Brain Sciences, UT Dallas
- 2015**      **Foreign Travel Award**, Behavioral and Brain Sciences, UT Dallas
- 2013**      **Foreign Travel Award**, Behavioral and Brain Sciences, UT Dallas
- 2013**      **Rising Star Award**, American Psychological Society
- 2013**      **Young Investigator Travel Award**, Human Amyloid Imaging Conference
- 2012-2013**      **Faculty Research Initiative Grant**, Behavioral and Brain Sciences, UT Dallas
- 2012**      **Young Research Fellow Award**, Alzheimer's Association, Greater Dallas Chapter
- 2011**      **Young Investigator Travel Award**, Human Amyloid Imaging Conference
- 2010-2015**      **NIH/NIA K99/R00 Grant # 1K99AG-036818-01**, Principal Investigator
- 2010-2013**      **Clinical Loan Repayment Program (LRP) Competitive Renewal**, National Institute on Aging
- 2009**      **Educational Travel Award**, to attend 17<sup>th</sup> annual International Society for Magnetic Resonance in Medicine meeting, Honolulu, HI
- 2008-2010**      **Clinical Loan Repayment Program (LRP) awardee**, National Institutes on Aging
- 2007**      **Dissertation Research Award**, American Psychological Association
- 2006**      **First Place**, Graduate Poster Session, Institute of Gerontology Open House and Poster Session, Wayne State University, Detroit
- 2006**      **APA International Travel Grant**, American Psychological Association Office of International Affairs
- 2006**      **Vivian Smith Advanced Studies Institute of the International Neuropsychological Society**

- Summer Institute Fellowship**, Xylocastro, Greece.
- 2005 COGDOP Scholarship**, awarded by the American Psychological Foundation (APF) to 11 doctoral students nationwide
- 2005 Second Place**, Graduate Poster Session, Institute of Gerontology Open House and Poster Session, Wayne State University, Detroit
- 2005 Adult Development and Aging Proposed Research Award**, American Psychological Association Division 20
- 2005 Outstanding Predoctoral Scientist Research Proposal Award**, 6th Schloessmann Seminar on Cognitive Neuroscience of Human Ontogeny, Max Plank Institute for Human Development, Berlin, Germany
- 2005 6th Schloessmann Seminar on Cognitive Neuroscience of Human Ontogeny Fellowship**, Max Plank Institute for Human Development, Berlin, Germany
- 2005-2006 Competitive Thomas C. Rumble Fellowship**, College of Science, Wayne State University
- 2005 Senior Coordinating Aging Network (SCAN) Scholarship**, awarded to 4 students in the field of aging, Oakland County, Michigan
- 2005 Outstanding Graduate Student Award**, awarded to 5 outstanding graduate students each year campus-wide, Dean of Students Office, Wayne State University
- 2004 Completed Doctoral Qualifying Examination**, with *Highest Distinction*
- 2004 Everett J. Soop Award**, Michigan Society for Gerontology
- 2004 Psychology Graduate Student Poster session award**, Cognitive and Social Psychology Across the Lifespan division, Wayne State University, Detroit
- 2004 First Place**, Graduate Poster Session, Institute of Gerontology Open House and Poster Session, Wayne State University, Detroit
- 2004-2005 Graduate-Professional Scholarship**, Wayne State University Graduate School
- 2003 Vivian Smith Advanced Studies Institute of the International Neuropsychological Society Summer Institute Fellowship**, Xylocastro, Greece.
- 2002 NIH Summer Institute in Cognitive Neuroscience Fellowship**, Dartmouth College, Hanover, NH.
- 2002-05, 07 College of Science Graduate Travel Awards**, Wayne State University.
- 2002 National Science Foundation Travel Award** to attend Symposium for Neuroscience, Aging, and Cognition, San Francisco, CA.
- 2000 Psychology Outstanding Graduate Student Award**, awarded to 1 outstanding graduate student in Psychology each year by the Teachers' College, Emporia State University
- 2000 Graduate Student Research Award**, awarded to 1 excellent research project each year by the Teachers' College, Emporia State University
- 1999 Laurence C. Boylan Scholar Award**, awarded to 1 outstanding graduate student each year, campus-wide, Emporia State University
- 1999 Academic Achievement Award**, awarded to 10 outstanding graduate teaching assistants each year, campus-wide, Emporia State University
- 1999 Paper chosen for inclusion in *The Best of ESU: An Anthology of Graduate Essays - The Search for Excellence* (Kennedy, K. M. (1999). Seasonal Affective Disorder: Alleviation of the winter blues through phototherapy., Vol 2, pp. 44-49).**
- 1999 First Place**, Graduate Paper Session, Great Plains Student Psychology Convention, Wichita, KS
- 1999 First Place**, Graduate Poster Session, Great Plains Student Psychology Convention, Wichita, KS
- 1996 Graduated with Distinction in Psychology**, Hendrix College
- 1996 Margaret E. Fitch Award in Psychology**, awarded to 1 outstanding graduating psychology student of the year, Hendrix College

- 1996 **Psychology Club Academic Scholarship Award**, awarded to 1 outstanding psychology undergraduate each year, Hendrix College
- 1995, 1996 **Excellence in Leadership Awards**, Hendrix College
- 1992-1996 **Dean's List**, Hendrix College
- 1992-1996 **Arkansas Academic Challenge Scholarship Award**

### Organizations and Positions Held:

- 2015-2019 International Society for Behavioral Neuroscience, *Executive Committee Member (Vice President, second elected term)*
- 2011-2015 International Society for Behavioral Neuroscience, *Executive Committee Member (Member at Large, two terms)*
- 2009-2001-2007 International Society for Behavioral Neuroscience  
Graduate Student Organization for Institute of Gerontology, *EAR Representative (02-03), President (03-04, 04-05)*
- 1999-2005 American Psychological Association for Graduate Students – Advocacy Coordinating Team (APAGS-ACT), *Campus Representative*, Emporia State University (1999-2000) and Wayne State University (2002-2005)
- 2001-2005 Graduate Student Organization for Psychology, *Member*
- 2002-2003 Art of Aging Successfully Conference, *Steering Committee*, Wayne State University
- 2002-2005 Issues on Aging Conference, *Steering Committee*, Wayne State University
- 2001-2005 Gerontological Society of America, *Student Member*
- 2001-2007 Cognitive Neuroscience Society, *Student Member*
- 2001-2005 Cognitive And Social Psychology Across the Lifespan (CASPAL) Brown Bag Speaker Committee, Wayne State University, *Member*
- 2001-2007 Student Neuroscience Society, Wayne State University, *Member*
- 2001-2007 Society for Neuroscience, *Student Member*
- 1998-2007 American Psychological Association, *Student Affiliate*  
Member Divisions: 2 Society for the Teaching of Psychology,  
6 Behavioral Neuroscience and Comparative Psychology, 20 Adult Development and Aging,  
40 Clinical Neuropsychology
- 1998-2007 American Psychological Society, *Student Affiliate*
- 1998-2000 Southwestern Psychological Association, *Student Member*
- 1998-2000 Association for Psychological and Educational Research in Kansas, *Student Member, Steering Committee Member*
- 1998-2000 Psi Chi National Honor Society *Vice-President*, Emporia State University  
(Founded chapter and *Charter member* of Psi Chi at Hendrix College, 1996)
- 1998-2000 Psychology Club, *Graduate Advisor*, Emporia State University
- 1997 National Association of Psychometrists, *Professional Associate*
- 1997 Midwestern Neuropsychological Group, *Student Affiliate*
- 1994-1996 Psychology Club, *President* (1996), Hendrix College
- 1996 Potpourri Literary Magazine, *Editor*, Hendrix College

### Service to the Profession:

- 2022 *Grant Reviewer*, National Institutes of Health/National Institute on Aging, Brain Disorders and Related Neurosciences F31/F32 Review Section. October Session.
- 2022 *Grant Reviewer*, National Institutes of Health/National Institute on Aging, P01 PPG Review Section.

- Teleconference. July Session.
- 2022** *Panelist*, DEI Workshop: Developing an Effective Diversity Statement, Cognitive Neuroscience Society, San Francisco, CA
- 2021** *External Reviewer*, Canada College of Reviewers, Government of Canada
- 2021** *Grant Reviewer*, National Institutes of Health/National Institute on Aging, P01 PPG Review Section. Teleconference. September Session.
- 2021** *Grant Reviewer*, National Institutes of Health/National Institute on Aging, “Neuropsychiatric Disorders Study Section”, Teleconference. July Session.
- 2021** *Grant Reviewer*, National Institutes of Health/National Institute on Aging, “Fellowships: Learning, Memory, Language, Communication, and Related Neuroscience Study Section”, Teleconference. June Session.
- 2020** *Grant Reviewer*, National Institutes of Health/National Institute on Aging “Aging Systems and Geriatrics (ASG) Study Section”, Moved to teleconference due to COVID-19. October.
- 2020** *External Grant Reviewer*, Riksbankens Jubileumsfond, The Swedish Foundation for Humanities and Social Sciences, Mail
- 2020** *Senior Editor* at the journal *NeuroImage*
- present
- 2020** *Grant Reviewer*, National Institutes of Health/National Institute on Aging “Aging Systems and Geriatrics (ASG) Study Section”, Moved to teleconference due to COVID-19. June.
- 2020** *Symposium Organizer, Chair*, “Longitudinal Change in Brain Function”, Cognitive Aging Conference, Atlanta, GA (postponed due to COVID-19).
- 2019** *External Dissertation Reviewer*, Australia National University
- 2019** *Grant Reviewer*, National Institutes of Health/National Institute on Aging “Cognition and Perception (CP) Study Section”, Bethesda, MD. January session.
- 2019** *External Grant Reviewer*, Riksbankens Jubileumsfond, The Swedish Foundation for Humanities and Social Sciences, Mail
- 2019** *Grant Reviewer*, National Institutes of Health/National Institute on Mental Health “Novel Mechanism Research on Neuropsychiatric Symptoms (NPS) in Alzheimer's Dementia” Teleconference. October session.
- 2019** *Grant Reviewer*, National Institutes of Health/National Institute on Aging “Grants for Early Medical/Surgical Specialists’ Transition to Aging Research (GEMSSTAR)”, Bethesda, MD. May session.
- 2018** *Grant Reviewer*, National Institutes of Health/National Institute on Aging “Next Generation Clinical Researchers in AD/ADRD Studies Panel”, Bethesda, MD
- 2018** *Grant Reviewer*, National Institutes of Health/National Institute on Aging, “Aging and Dementia Studies Panel”, Teleconference
- 2018** *Symposium Co-Organizer (with Nancy Dennis)*, on *Individual Difference factors in Neural Modulation and Adaptive Plasticity in Normal and Pathological Aging*, International Society for Behavioural Neuroscience annual meeting, Anchorage, AK
- 2018** Associate Editor for the *Journal of Alzheimer's Disease*
- 2016** *Grant Proposal Reviewer*, National Science Foundation
- 2015-2020** Handling Editor for the journal *NeuroImage*
- 2015** *Conference Co-organizer (with Karen Rodrigue)*, International Society for Behavioral Neuroscience annual meeting, Kona, HI
- 2015** *Grant Proposal Reviewer*, National Science Foundation, Cognitive Neuroscience section
- 2015** Abstract Reviewer, Organization for Human Brain Mapping annual meeting
- 2015** Expert Consultant, “A Topical Approach to Life-Span Development”, J. Santrock, 8<sup>th</sup> Ed textbook published by McGraw-Hill
- 2014** Symposium chair, “Human Cognition: White Matter and Functional Connectivity”, Society for

- Neuroscience, Washington, DC
- 2014** Editorial Board for *NeuroImage*
- 2014** Symposium chair, “Lifespan Development”, Organization for Human Brain Mapping, Hamburg, Germany
- 2013** External Grant Reviewer for Research Commission, Heinrich Heine University, Düsseldorf, Germany
- 2013** *Organizer*, Center for Vital Longevity Science Luncheon Series, UT Dallas
- 2013** *Co-organizer (with Denise Park)*, Dallas Aging and Cognition Conference
- 2013** *Grant proposal Reviewer ad hoc*, VA Special Emphasis Review Panel for Gulf War Research
- 2013** Edited book proposal reviewer for Wiley and Sons
- 2012** Edited book chapter reviewer for Wiley-Blackwell
- 2009-2010** APA Division 20 Early Career Task Force Member
- 2007-present** *ad hoc Reviewer*:
- Neurobiology of Aging\* • Neuropsychologia\* • NeuroImage\* • Cerebral Cortex\* • Neuropsychology\* • European Journal of Cognitive Psychology • Bipolar Disorders • Brain Research\* • Psychiatry Research: Neuroimaging\* • Behavioral Research Methods • Brain and Cognition\* • Human Brain Mapping\* • Journal of Geriatric Psychiatry and Neurology • Behavioural Brain Research\* • Biochimica et Biophysica Acta (BBA - Molecular Basis of Disease) • Diabetes • Memory • Scandinavian Journal of Psychology • Frontiers in Human Neuroscience\* • Biological Psychiatry\* • The Lancet • Aging, Neuropsychology and Cognition • Diabetes Care • Experimental Brain Research • Journal of Psychological Inquiry\* • Journal of Alzheimer's Disease\* • Journal of Neuroscience\* • Archives of Gerontology and Geriatrics • NeuroImage: Clinical\* • Brain Connectivity • Developmental Psychology • Cortex • Schizophrenia Research • Psychoneuroendocrinology • PLOSone\* • Journal of Gerontology: Psychological Sciences • Journal of the American Aging Association\* • British Journal of Cancer • Brain and Behavior • Brain Imaging and Behavior • Schizophrenia Research: Cognition • Cognitive, Affective, and Behavioral Neuroscience • European Journal of Neurology • Journal of Clinical Hypertension • Journal of the International Neuropsychological Society • Journal of Anxiety Disorders • Neuroscience • Behavioral Neuroscience • Journal of Cognitive Neuroscience\* • Nature Communications • Aging and Mental Health • Journal of Mental Health and Clinical Psychology • Proceedings of the National Academy of Sciences\* • eNeuro\* • Behavioral Neuroscience • Brain Structure and Function • Developmental Cognitive Neuroscience • eLife\* • Alzheimer's Research and Therapy • PLOS biology • Neuropsychology Review
- \*Denotes invitation to review on multiple occasions.
- 2005-2007** *Reviewer*, Student Grant Competition, American Psychological Society
- 2004-2007** *Reviewer*, Student Research Competition, American Psychological Society
- 2003-2008** *Reviewer*, GSA Conference abstracts, Behavioral and Social Sciences section
- 2002-2004** *Reviewer*, Margaret Clark Essay Award, American Association of Anthropology
- 1999-2003** *Reviewer*, Journal of Psychological Inquiry
- 1998-2003** *Reviewer*, Psi Chi Journal of Undergraduate Research

### **Consulting/Training Provided:**

- 2002 Provided manual brain morphometry training to graduate students from Beckman Institute at University of Illinois-Urbana-Champaign (*PI: Arthur Kramer, Ph.D.*)
- 2005 Visiting consultant at Karolinska Institute/ Huddinge Hospital, Stockholm, Sweden, provided manual brain morphometry training for SNACK Project (*PIs: Lars Bäckman, Ph.D., Lars-Olaf Wahlund, M.D., Ph.D.*)
- 2007, 2009 Visiting Scientist, Max Planck Institute for Human Development, Berlin, Germany, provided manual brain morphometry training for LIP projects (*PIs: Ulman Lindenberger, Ph.D., Martin*



*Lövdén, Ph.D.)*

- 2012-2013 Visiting consultant at University of Washington, Seattle, WA, provided Diffusion Tensor Imaging training for Seattle Longitudinal Study of Aging (*PIs: Sherry Willis, Ph.D., Warner Schaie, Ph.D.*)
- 2014 Consultant for structural neuroimaging methods for CEASAR project at Georgia Institute of Technology (*PI: Christopher Hertzog, Ph.D.*)

## **Funding:**

### **Principal Investigator:**

2017-2023 1 R01 AG-056535 from NIH/National Institute on Aging  
*"Dopaminergic and Neuroplastic Influences on Longitudinal Change in Cognitive and Brain Aging"*  
 PI: Kristen M. Kennedy, PhD

This R01 is funded to longitudinally follow across two more time points the lifespan sample collected from the previous NIA R00 award to evaluate the influence of dopaminergic and neuroplasticity factors on individual change over time in brain function, brain structure, and cognition.

2020-2023 1 R21 AG069267-01 from NIH/National Institute on Aging  
*"The Effects of Cognitive Map Building on the Development of Alzheimer's Disease"*  
 PI: Kristen M. Kennedy, PhD. and May Yuan, PhD

This R21 is funded to utilize national datasets to explore the role of environmental complexity and spatial occupational history on diagnosis, age at onset and progression of AD and AD related dementias.

2017-2018 BvB Dallas foundation grant  
*"Longitudinal Change in Beta-Amyloid Accumulation over Time: Genetic Influences"*  
 Co-PIs: Kristen Kennedy and Karen Rodrigue

This \$80,000 foundation grant allows us to follow-up individuals over time to examine change in amyloid burden and to examine potential genetic influences in change in beta-amyloid.

2016-2017 Faculty Research Initiative Grant from University of Texas at Dallas  
*"In Vivo Neuroimaging of Synaptic Plasticity Across the Adult lifespan"*  
 PI: Kristen M. Kennedy, Ph.D.

This Faculty Initiative Research grant provides funds for pilot data to examine the feasibility of using multislice acquisition of three shell diffusion imaging in an aging sample as support for an R01 submission.

2015-2016 BvB Dallas foundation grant  
*"The Connected Brain: Genetic and Aging Effects"*  
 PI: Kristen M. Kennedy, PhD.

This \$200,000 grant will be used to cover costs of new doctoral students, a postdoctoral fellow, and to help offset costs of DNA sequencing and genotyping for my larger NIH grant projects.

2015-2016 Dallas Foundation grant from AWARE  
*"The Genetic and Lifestyle Profile of Aging Well: Preventing Alzheimer's Disease"*  
 PI: Kristen M. Kennedy, Ph.D.

This \$25,000 grant from the Dallas Foundation/AWARE allows me to add genotyping of my research participant cohort collected from my NIH grant. This will help detect the best candidate genes to proceed with investigation in future extramural project applications.

2010-2015 4 R00 AG-036818-05 from NIH/National Institute on Aging  
*"Role of White Matter Integrity in Age-Related Functional Reorganization"*

PI: Kristen M. Kennedy, Ph.D.

This "Pathway to Independence" training grant is a 5-year, two-stage mechanism from NIH (K99 portion for 2 postdoctoral years, R00 for 3 tenure-track years). It allows me to pair past training in structural methods with current training in functional neuroimaging methods. Specifically the project seeks to investigate the role of white matter integrity degradation with aging on the reorganization of cortical activation patterns seen in older adults.

2014-2015 3R01AG021927-10S1 from NIH/National Institute on Aging  
*"Functional Change in Mild Cognitive Impairment"*

PI of Subaward: Kristen M. Kennedy, PhD; PI of Parent Grant: Daniel Marson, MD, University of Alabama at Birmingham

This subaward is to collaborate on analyzing white matter connectivity in MCI, AD, and healthy aging as it impacts financial capacity decisions.

2014-2015 Individual unrestricted gift from private donor

PI: Kristen M. Kennedy, Ph.D.

This unrestricted gift of \$25,000 was generously donated by a local private individual and is being used to offset cost of genotyping participants in the NIA grant funded sample being collected.

2012-2013 Faculty Research Initiative Grant from University of Texas at Dallas  
*"The Connected Brain: Genetic and Aging Effects"*

PI: Kristen M. Kennedy, Ph.D.

This Faculty Initiative Research grant provides funds for pilot data to examine candidate gene single nucleotide polymorphisms that play a role in aging of white matter integrity and neural structure and function, especially as it relates to connectivity.

**Co-Investigator:**

2021-2026 NIH 1R01 MH-127317 from NIH/National Institute of Mental Health  
*"Aging and Disease Course: Contributions to Lifespan Neurobiology of Schizophrenia"*

(PI: Elena Ivleva, MD, PhD; Site PI Michael Rugg, PhD)

The purpose of this grant is to follow older individuals longitudinally who are aging with or without Schizophrenia to disentangle possible accelerated aging effects due to disease from normal aging course across several brain structural, functional, and neurometabolite measures.

2019-2023 NSF 1923173 from National Science Foundation  
*"Age differences in when - not whether - sensory regions are recruited during memory retrieval"*

(PIs Elizabeth Kensinger, PhD, Jaclyn Ford, PhD)

The purpose of this grant is to investigate whether BOLD response delay during memory retrieval in sensory (e.g., visual) regions is a salient factor in aging of the memory system.

2018-2023 NIA R01 AG-057537 from NIH/National Institute on Aging  
*"Mechanisms and Predictors of Brain Aging in Healthy Aging, Preclinical AD and MCI"*

(PI: Karen M. Rodrigue, PhD)

The purpose of this grant is to compare early predictors and biomarkers of brain aging among normally aging individuals, in individuals with elevated beta-amyloid (preclinical Alzheimer's Disease) and those with Mild Cognitive Impairment using several structural and functional MRI techniques as well as PET imaging.

2017-2022 5 R37 AG-006265 from NIH/National Institute on Aging  
*"Dallas Lifespan Brain Study-Wave 3: Neurodegeneration & Resilience in Cognition"*

(PI: Denise C. Park, PhD)

The purpose of this research is to determine healthy patterns of neural function across the lifespan. To accomplish this goal the projects integrate structural measures of the brain with functional measures to determine their joint relationship to cognitive performance. A further goal is to determine which structural/functional mechanisms are important at different stages of the life cycle.

2009-2012 3 R37 AG-006265-25S1 from NIH/NIA (Challenge Grant)  
*"Impact of Amyloid Burden on Neurocognition in a Lifespan Sample"*

(PI: Denise C. Park, Ph.D.)

This ARRA Stimulus grant study seeks to characterize the role of beta-amyloid deposition across the adult lifespan of healthy adults and to determine its association with brain structure, function and cognitive performance.

*Role:* Co-Investigator

2009-2012 1RC1 AG-036003-02 from NIH/NIA (Challenge Grant)  
*"Impact of Exercise and Engagement on Cognition in Older Adults"*

(PI: Denise C. Park, Ph.D.)

This ARRA Stimulus grant study seeks to compare the effects of exercise training to the effects of social/cognitive engagement and their combination as an intervention to stem neural and cognitive aging.

*Role:* Co-Investigator

#### **Key Personnel:**

2008-2012 5 R37 AG-006265-25 from NIH/National Institute on Aging  
*"Neuroimaging of Dedifferentiation and Memory Across the Lifespan"*

(PI: Denise C. Park, PhD)

The purpose of this research is to determine healthy patterns of neural function across the lifespan. To accomplish this goal the projects integrate structural measures of the brain with functional measures to determine their joint relationship to cognitive performance. A further goal is to determine which structural/functional mechanisms are important at different stages of the life cycle.

*Role:* Postdoctoral Fellow

2009-2012 IIRG-09-135087 from The Alzheimer's Association  
(PI: Denise C. Park, PhD)

*"Beta-Amyloid Deposition, Aging, and Neurocognitive Function"*

This study was designed to begin to investigate the role of beta-amyloid deposition in healthy adults and to determine its association with brain structure, function and cognitive performance in a non-demented population.

*Role:* Postdoctoral Fellow

**Publications:**

Yuan, M., **Kennedy, K. M.** (2023). Utility of environmental complexity as a predictor of Alzheimer's disease diagnosis: A big-data machine learning approach. *Journal of Prevention of Alzheimer's Disease*, <http://dx.doi.org/10.14283/jpad.2023.18>.

Hennessee, J. P., Webb, C. E., Chen, X., **Kennedy, K. M.**, Wig, G. S., Park, D. C. (2022). Relationship of prefrontal brain lateralization to optimal cognitive function differs with age. *NeuroImage*, 264, 119736. <https://doi.org/10.1016/j.neuroimage.2022.119736>.

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### **Manuscripts Submitted:**

Smith, E. T., Hennessee, J. P., Wig, G., Frank, S., Gonzalez, H., Bacci, J., Chan, M., Carreno, C. A., **Kennedy, K. M.**, Rodrigue, K. M., Hertzog, C., Park, D. C. (under revision). Longitudinal Changes in Grey Matter Correspond to Changes in Cognition Across the Lifespan: Implications for Theories of Cognition. Manuscript revision under re-review at *Neurobiology of Aging*.

### **Manuscripts in Preparation:**

Taka ASL, DTI paper

Taka Cog Aging Fitness Chapter

Boylan, M. A., Rodrigue, K. M., Webb, C. E., Pongpipat, E. E., **Kennedy, K. M.** (in prep). Influence of  $\beta$ -Amyloid and Age on BOLD Variability during *n*-back. Manuscript in preparation.

**Kennedy, K. M.**, Pongpipat, E. E., Lung, T-C., Foster, C. M., Webb, C. E., Rodrigue, K. M. (in prep). Four Year Longitudinal Change in Task-Related Functional Activation across the Adult Lifespan. Manuscript in preparation.

Foster, C. M., **Kennedy, K.M.**, Rodrigue, K. M. (in prep). Four-year longitudinal volume change differs across hippocampal subfields in cognitively normal adults. Manuscript in preparation.

Rodrigue, K. M., Matijevic, S., Hoagey, D. A., **Kennedy, K. M.** (in prep). Differential Aging and Blood Pressure Effects in Regional Corpus Callosum Microstructure. Manuscript in preparation.

Pongpipat, E. E., **Kennedy, K. M.**, Rodrigue, K. M. (in prep). Comparison of BOLD features in predicting age-related working memory performance: BOLD modulation, synchronization, and variability. Manuscript in preparation.

Lung, T-C., Rodrigue, K. M., **Kennedy, K. M.** (in prep). Contribution of White Matter Connectivity to Age-Related Differences in Positive and Negative Bold Modulation to Cognitive Difficulty. Manuscript in preparation.

Boylan, M., Rodrigue, K. M., **Kennedy, K. M.** (in preparation). Effect of DRD2 C957T polymorphism on modulation of activation to working memory load across the adult lifespan. Manuscript in preparation for *Journal of Neuroscience*.

Rodrigue, K. M., Trieu L., Owens S., Hoagey, D. A., **Kennedy, K. M.** (in preparation). White Matter Hyperintensity Burden in a Healthy Aging Sample: Effects on Inhibitory Processing. Manuscript in preparation for *Neuropsychology*.

**Kennedy, K. M.**, Rast, P., Gross, A. L., Rodrigue, K. M., Robinson, P., Barrera-Martinez, L., Schaie, K. W., Willis, S. L. (in preparation). Longitudinal change in association white matter tract integrity is related to cognition in healthy midlife and older adults: Findings from Seattle Longitudinal Study. Manuscript in preparation for *Cerebral Cortex*.

**Kennedy, K. M.**, Rieck, J. R., Park, D. C. (in preparation). Age-related decreases in regional white matter integrity predict reduced neural modulation to task processing demands: A combined DTI and fMRI lifespan aging study. Manuscript in preparation for *Cerebral Cortex*.

### **Presentations:**

**Kennedy, K. M.** (2022, Sept). Aging and Brain Health: Normal Aging and Risk for Neurodegenerative Disease. Invited talk at Department of Neurology Grand Rounds. The University of Chicago, Chicago, IL.

Yuan, M. & **Kennedy, K. M.** (2022, Sept). Spatial Information, the Brain, and the Potential Cognitive Benefits of the Environment. Presentation and discussion at the 15th Conference on Spatial Information Theory. Kobe, Japan.

**Kennedy, K. M.** (2022, Aug). Utility of BOLD Variability in the Study of Brain Aging. Invited colloquium talk given at the Advanced imaging Research Seminar Series, UT Southwestern Medical Center, Dallas, TX.

Tarumi, T., Patel, N., Tsubasa, T., Pasha, E., Kostroske, K., Riley, J., Duron, C., Wang, C., Hynan, L., **Kennedy, K. M.**, Rodrigue, K. M., Park, D., Zhang, R. (2022, June). Effects Of One-year Exercise on Neurocognitive Function and Brain Volume in Cognitively Normal Older Adults. Presented at American College of Sports Medicine annual meeting, San Diego, CA.

Pongpipat, E. E., **Kennedy, K. M.**, Rodrigue, K. M. (2022, June). Four-year change in BOLD variability differs by task difficulty, beta-amyloid deposition, and aging. Poster presented at annual Organization for Human Brain Mapping meeting, Glasgow, Scotland.

**Kennedy, K. M.** (2022, May). Alzheimer's Disease & Brain Connections. Invited talk to the Behavioral and Brain Sciences Research Reception on Alzheimer's Disease. Dallas, TX.

**Kennedy, K. M.**, Pongpipat, E. E., Boylan, M. A., Lung, T-C., Rodrigue, K. M. (2022, Apr). Age-related longitudinal change in BOLD variability during working memory load is dependent upon beta-amyloid deposition. Talk presented in symposium on "Cognitive and Brain Aging: New Insights from Biomarkers, Lifestyle Factors, and Genetics" at Cognitive Neuroscience Society annual meeting, San Francisco, CA.

Thompson, A. C., Tayama, Y., Miranda, G. G., Horn, M. M., Ortega, A., Moon, D., Rodrigue, K. M.,

**Kennedy, K.M.** (2022, April). Association of genetic influence on telomere length and cognitive aging. Poster presented at Cognitive Neuroscience Society annual meeting, San Francisco, CA.

Pongpipat, E. E., Boylan, M. A., Rodrigue, K. M., **Kennedy, K. M.** (2022, Apr). Influence of  $\beta$  - Amyloid and age on BOLD variability during *n*-back. Poster presented at biannual Cognitive Aging Conference, Atlanta, GA.

**Kennedy, K. M.** (2022, Jan). Four Year Longitudinal Change in Task-Related Functional Activation across the Adult Lifespan. Talk accepted for presentation in "Transitions to Cognitive Frailty with Increased Age" Symposium at biannual Dallas Aging and Cognition Conference, Dallas, TX, postponed.

Marcano, V. C., Miranda, G. G., Rodrigue, K. M., **Kennedy, K. M.** (2022, Jan). Extreme stress or trauma report is associated with poorer age-related fluid intelligence scores across the adult lifespan. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX, online.

Pongpipat, E. E., Lung, T-C., Foster, C. M., Webb, C. E., Boylan, M. A., **Kennedy, K. M.**, Rodrigue, K. M. (2022, Jan). Four Year Longitudinal Change in Task-Related BOLD Modulation across the Adult Lifespan. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX, online.

Eatrouthu, A., Ortega, A., Horn, M. M., Miranda, G. G., Rodrigue, K. M., **Kennedy, K. M.** (2022, Jan). Association of BDNF genotype and neuroticism phenotype on mood and risk for depression in healthy adults across the lifespan. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX, online.

Lung, T-Z., Hoagey, D. A., Rodrigue, K. M., **Kennedy, K. M.** (2022, Jan). Age-related Differences in White Matter Structure-Function Associations, relation to BOLD Modulation and Cognitive Control. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX, online.

Tayama, Y., Miranda, G. G., Thompson, A. C., Rodrigue, K. M., **Kennedy, K. M.** (2022, Jan). Association of genetic influence on telomere length and cognitive aging. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX, online.

Romo, K., Miranda, G. G., Balasubramanian, S., Rodrigue, K. M., **Kennedy, K. M.** (2022, Jan). Self-reported history of extreme stress or trauma associated with lower cognitive flexibility. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX, online.

**Kennedy, K. M.**, Ivleva, E. (2021, Nov). Aging and Psychosis. Invited presentation in Comet Corner Series, UT Dallas, Dallas, TX.

**Kennedy, K. M.** (2021, Nov). Aggregating brain structural and functional properties to better understand cognitive aging. Invited talk given to CHAT Seminar, Department of Psychological Sciences, Rice University, Houston, TX.

Lung, T-C., Hoagey, D. A., Rodrigue, K. M., **Kennedy, K. M.** (2021, Nov). Age-related differences in white matter structure-function associations, relation to bold modulation and cognitive control. Poster presented at Society for Neuroscience annual meeting, Chicago, IL.

**Kennedy, K. M.** (2021, Sept). Aggregating brain structural and functional properties to better understand cognitive aging. Invited talk given to BrainMap Seminar Series, Massachusetts General Hospital/

Harvard University, Cambridge, MA.

**Kennedy, K. M.** (2021, Apr). Aging and Brain Health: Normal Aging and Risk for Neurodegenerative Disease. Invited talk given to Memories Matter group, Dallas, TX.

Pongpipat, E. E., Boylan, M. A., Foster, C. M., Webb, C. E., **Kennedy, K. M.**, Rodrigue, K. M. (2020, June). Which BOLD feature is most important to working memory performance? BOLD modulation, synchronization, or variability. Online poster presentation at annual Organization for Human Brain Mapping meeting, Montreal, CN (moved to virtual format due to COVID-19).

**Kennedy, K. M.**, Boylan, M. A. (2020, May). Aging, BOLD variability, and cognition. Invited talk to Brain Aging and Dementia Group, Martinos Imaging Center, Massachusetts General Hospital/Harvard University, Cambridge, MA.

**Kennedy, K. M.**, Foster, C. M., Webb, C. E., Pongpipat, E. E., Boylan, M. A., Rodrigue, K. M. (2020, April). Four Year Longitudinal Change in Task-Related Functional Activation across the Adult Lifespan. Talk accepted for presentation in *Longitudinal Change in Brain Function Symposium* at biannual Cognitive Aging Conference, Atlanta, GA (postponed due to COVID-19).

**Kennedy, K. M.** (2020, Apr). Longitudinal Change in Brain Function. Symposium accepted for presentation at biannual Cognitive Aging Conference, Atlanta, GA (postponed due to COVID-19).

Foster, C. M., **Kennedy, K. M.**, Rodrigue, K. M. (2020, Apr). Spatial Mnemonic Similarity Task Performance is Associated with Sex, Age, and Hippocampal Subfield Volume Differences. Talk accepted for presentation in *Sex and Gender Symposium* at biannual Cognitive Aging Conference, Atlanta, GA (postponed due to COVID-19).

Webb, C. E., Foster, C. M., Horn, M. M., **Kennedy, K. M.**, Rodrigue, K. M. (2020, Apr). Mnemonic similarity task performance is associated with PET beta-amyloid deposition in healthy older adults. Poster accepted for presentation at biannual Cognitive Aging Conference, Atlanta, GA (postponed due to COVID-19).

Boylan, M. A., Rodrigue, K. M., Webb, C. E., Pongpipat, E. E., **Kennedy, K. M.** (2020, Apr). Influence of  $\beta$ -Amyloid and Age on BOLD Variability during n-back. Poster accepted for presentation at biannual Cognitive Aging Conference, Atlanta, GA (postponed due to COVID-19).

Pongpipat, E. E., **Kennedy, K. M.**, Boylan, K. M., Rodrigue, K. M. (2020, Apr). Which is More Important to n-back Performance: Changes in BOLD or Changes in BOLD Synchronization? Poster accepted for presentation at biannual Cognitive Aging Conference, Atlanta, GA (postponed due to COVID-19).

Webb, C. E., Foster, C. M., Horn, M. M., **Kennedy, K. M.**, Rodrigue, K. M. (2020, Jan). PET beta-amyloid deposition in healthy older adults is associated with decreased lure discrimination on a spatial mnemonic similarity task. Poster presented at the annual Human Amyloid Imaging conference, Miami, FL.

Foster, C. M., **Kennedy, K. M.**, Rodrigue, K. M. (2020, Jan). Influence of Iron and Beta-amyloid Deposition on Entorhinal Cortex and Hippocampal Subfield Volumes in the Aging Brain. Poster presented at the annual Human Amyloid Imaging conference, Miami, FL.

**Kennedy, K. M.** (2019, Nov). Aging and Brain Health: Structural and Functional Contributions to Cognitive Aging. Invited talk to Psychology Department at Stony Brook University, Stony Brook, NY.

Foster, C. M., **Kennedy, K. M.**, Hoagey, D. A., Rodrigue, K. M. (2019, Oct). The Role of Hippocampal Subfield Volume and Fornix Microstructure in Episodic Memory Across the Lifespan. Nanosymposium talk presented at Society for Neuroscience annual meeting, Chicago, IL.

Webb, C. E., Hoagey, D. A., Rodrigue, K. M., **Kennedy, K. M.** (2019, Oct). Frontostriatal white matter connectivity declines with age and predicts cognition and dynamic BOLD modulation. Poster presented at Society for Neuroscience annual meeting, Chicago, IL.

**Kennedy, K. M.**, Hoagey, D. A., Pongpipat, E. E., Rodrigue, K. M. (2019, June). Aging of Neurite Density and Organization: NODDI across the Adult Lifespan. Symposium talk presented in Symposium on *Diffusion-based imaging of grey and white matter: Techniques and interpretations*. International Society for Behavioral Neuroscience annual meeting, Taormina, Sicily, IT.

Webb, C., Hoagey, D. A., Foster, C. M., Rodrigue, K. M., **Kennedy, K. M.** (2019, June). BOLD modulation and white matter diffusivity contributions to cognitive aging: A lifespan SEM study. Poster presented at the Organization for Human Brain Mapping annual meeting, Rome, IT.

Hoagey, D. A., Rodrigue, K. M., **Kennedy, K. M.** (2019, June). Altered diffusion properties in white matter hyperintensities: a function of age and blood pressure. Poster presented at the Organization for Human Brain Mapping annual meeting, Rome, IT.

**Kennedy, K. M.** (2019, Feb). Aging and Brain Health: Normal Aging and Risk for Neurodegenerative Disease. Invited Colloquium talk at Hendrix College, Conway, AR.

Webb, C. E., Hoagey, D. A., Foster, C. M., Rodrigue, K. M., **Kennedy, K. M.** (2019, Jan). Age-related decrease in BOLD modulation is mediated by white matter degradation and accounts for poorer task performance. Poster presented at the biannual Dallas Aging and Cognition Conference, Dallas, T.X.

Ortega, A.N., Hoagey, D.A., Rodrigue, K.M., **Kennedy, K.M.** (2019, Jan). Effects of fronto-cerebellar white matter degradation on executive function performance across the lifespan. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX.

Perez, P.M., Hoagey, D.A., Rodrigue, K.M., **Kennedy, K.M.** (2019, Jan). Age-related degradation of optic radiations differentially predict visual and non-visual executive functions. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX.

Hoagey, D.A., Lazarus, L.T.T., Rodrigue, K.M., **Kennedy, K.M.** (2019, Jan). The effect of vascular risk factors on white matter microstructure mediates age-related differences in executive function performance. Poster presented at the biannual Dallas Aging and Cognition Conference, Dallas, TX.

Foster, C.M., Hoagey, D.A., Rodrigue, K.M., **Kennedy, K.M.** (2019, Jan). The Role of Hippocampal Subfield Volume and Fornix Diffusion in Episodic Memory across the Lifespan. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX.

Pongpipat, E. E., Foster, C. M., Boylan, M. A., **Kennedy, K. M.** & Rodrigue, K. M. (2019, Jan). Examination of the relationship among n-back functional connectivity, task performance, and cortical thickness across the adult lifespan. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX.

Mahasamudram, P.D., Horn, M.M., Rodrigue, K.M., **Kennedy, K.M.** (2019, Jan). Differential age effects of self-reported sleep quality on cognition. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX.

Leverett, S. D., Boylan, M. A., Pongpipat, E. E., Rodrigue, K. M., **Kennedy, K. M.** (2019, Jan). Personality, Cognition, and Aging: How and when do personality traits affect executive functioning? Poster presented at the biannual Dallas Aging and Cognition Conference, Dallas, TX.

de Chastelaine, M., Donley, B.E., **Kennedy, K.M.**, Rugg, M.D. (2019, Jan). Relationship between cortical thickness estimates, in-scanner head motion, and cognitive performance. Poster presented at biannual Dallas Aging and Cognition Conference, Dallas, TX.

Miranda, G.G., Rodrigue, K.M., **Kennedy, K.M.** (2018, Nov). Cortical thickness mediates the relationship between the DRD2 C957T polymorphism and executive function across the adult lifespan. Poster presented at the annual meeting of the Society for Neuroscience meeting, San Diego, CA.

Hoagey, D.A., Lazarus, L., Rodrigue, K.M., **Kennedy K.M.** (2018, Nov). Age-related differences in executive function are mediated by white matter integrity and underlying white matter hyperintensity burden. Poster presented at the annual meeting of the Society for Neuroscience meeting, San Diego, CA.

Rodrigue, K.M., Daugherty, A.M., Foster, C. M., **Kennedy, K.M.** (2018, Nov). Age-related striatal iron accumulation is associated with decreased dynamic range of activation to working memory load and predicts executive function performance. Poster presented at the annual meeting of the Society for Neuroscience meeting, San Diego, CA.

Daugherty, A.M., Hoagey, D.A., **Kennedy, K.M.**, Rodrigue, K.M. (2018, Nov). Genetic predisposition for inflammation exacerbates effects of striatal iron content on cognitive switching in healthy aging. Poster presented at the annual meeting of the Society for Neuroscience meeting, San Diego, CA.

Pongpipat, E.E., Foster C.M., **Kennedy, K.M.**, Rodrigue, K.M. (2018, Nov). Fronto-parietal functional connectivity during an n-back task decreases across the adult lifespan and predicts working memory performance. Poster presented at the annual meeting of the Society for Neuroscience meeting, San Diego, CA.

De Chastelaine, M., Donley, B.E., **Kennedy, K.M.**, Rugg, M.D. (2018, Nov). The relationships between regional cortical thickness, intra-scan motion and associative recognition memory performance as a function of age. Poster presented at the annual meeting of the Society for Neuroscience meeting, San Diego, CA.

**Kennedy, K.M.**, Boylan, M.A., Rodrigue, K. M. (2018, June). Within-person brain function variability: Effects of age and difficulty level. Talk presented in Symposium on *Individual Difference factors in Neural Modulation and Adaptive Plasticity in Normal and Pathological Aging* at International Society for Behavioural Neuroscience annual meeting, Anchorage, AK.

Rodrigue, K. M., **Kennedy, K. M.** (2018, June). Modifying effect of Alzheimer's disease risk factors on functional brain activation in cognitively healthy adults. Talk presented in Symposium on *Individual Difference factors in Neural Modulation and Adaptive Plasticity in Normal and Pathological Aging* at International Society for Behavioural Neuroscience annual meeting, Anchorage, AK.



Hoagey, D. A., Foster, C. M., Lazarus, L. T., Rodrigue, K. M., **Kennedy, K. M.** (2018, June). Age-related differences in executive function demonstrate moderated mediation by white matter health. Poster presented at annual meeting of the Organization for Human Brain Mapping, Singapore.

Foster, C. M., **Kennedy, K. M.**, Rodrigue, K. M. (2018, May). Change in BOLD modulation to difficulty in cognitively normal middle-aged and older adults: Nonlinear effects of beta-amyloid. Plenary talk presented at Cognitive Aging Conference, Atlanta, GA.

Boylan, M. A., Rodrigue, K. M., **Kennedy, K. M.** (2018, May). Variability in BOLD response during n-back increases with age and difficulty level and is detrimental to performance. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Gonen, C., Horn, M. M., Lazarus, L. T., **Kennedy, K. M.**, Rodrigue, K. M. (2018, May). Elevated blood pressure interacts with regional cerebral blood flow to impact episodic memory in a lifespan sample of healthy adults. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Rodrigue, K. M., **Kennedy, K. M.** (2018, April). Alterations in brain function in healthy adults who are at increased risk for AD. Invited symposium talk presented at International Learning and Memory Conference, Huntington Beach, CA.

Foster, C. M., Rodrigue, K. M. **Kennedy, K. M.** (2018, Jan). Non-linear Change in BOLD Modulation During an n-Back Task is Associated with Beta-Amyloid Burden. Poster presented at Human Amyloid Imaging meeting, Miami, FL.

Boylan, M. A., Rodrigue, K. M., **Kennedy, K. M.** (2017, Nov). Effect of DRD2 C957T polymorphism on modulation of activation to working memory load across the adult lifespan. Nanosymposium talk presented at annual Society for Neuroscience meeting, Washington, D.C.

Willis, S. L., **Kennedy, K. M.**, Robinson, P. R., Rodrigue, K. M., Rast, P., Ulziibaatar, E., Grabowski, T. J. (2017, Nov). Six-year longitudinal change in association white matter tract integrity: Progression from cognitively healthy to dementia. Nanosymposium talk presented at annual Society for Neuroscience meeting, Washington, D.C.

**Kennedy, K. M.**, Rodrigue, K. M., Robinson, P.R., Rast, P., Grabowski, T. J., Willis, S. L. (2017, July). Eight-Year Longitudinal Change in Cortical Thinning: Progression from Cognitively Healthy to Dementia. Poster presented at Alzheimer's Association International Conference, London, ENG.

Foster, C. M., **Kennedy, K. M.**, Horn, M. M., Hoagey, D. A., Rodrigue, K. M. (2017, July). Beta-Amyloid Burden Predicts Non-linear Change in BOLD Modulation to Cognitive Challenge in Healthy Aging. Poster presented at Alzheimer's Association International Conference, London, ENG.

Hoagey, D. A., Rieck, J. R., Rodrigue, K. M., **Kennedy, K. M.** (2017, June). Multivariate examination of cortical volume and white matter integrity in healthy aging. Poster presented at annual Organization for Human Brain Mapping meeting, Vancouver, CA.

**Kennedy, K. M.**, (2017, Apr). Genetics of brain aging and brain function. Invited talk at the BvB Benefactors' Brunch, Dallas, TX.

**Kennedy, K. M.** (2017, Apr). Pushing the aging brain: Functional response to cognitive challenge.

Invited Colloquium talk presented at Center for Vital Longevity Science Luncheon Series, Dallas, TX.

**Kennedy, K.M.**, Rodrigue, K. M. (2017, Mar). Cognitive challenge and the aging brain: Functional alterations. Talk presented at annual International Society for Behavioural Neuroscience meeting, Las Vegas, NV.

Boylan, M. A., Rodrigue, K. M., **Kennedy, K. M.** (2017, Feb). Dose-response effect of COMTval158met genotype on modulation of activation to working memory load across the adult lifespan. Poster presented at 13<sup>th</sup> annual International Imaging Genetics Conference, Irvine, CA.

Miranda, G. G., Rodrigue, K. M., **Kennedy, K. M.** (2017, Feb). COMT and DRD2 Dopamine Polymorphisms Show Differential Effects on Aging of Frontal, Parietal and Cingulate Thickness. Poster presented at 13<sup>th</sup> annual International Imaging Genetics Conference, Irvine, CA.

Foster, C. M., **Kennedy, K. M.**, Rodrigue, K. M. (2017, Feb). Differential effect of APOE  $\epsilon$ 4 carrier status on BOLD activation to cognitive difficulty in healthy aging. Poster presented at 13<sup>th</sup> annual International Imaging Genetics Conference, Irvine, CA.

**Kennedy, K.M.** (2017, Jan). Reduced Modulation to Difficulty with Age Predicts Poorer Task Performance and Reasoning Ability. Symposium talk given at the 5<sup>th</sup> Dallas Aging and Cognition Conference, Dallas, TX.

Foster, C. M., **Kennedy, K. M.**, Rodrigue, K.M. (2017, Jan). Differential Effect of APOE $\epsilon$ 4 Carrier Status on BOLD Activation to Cognitive Difficulty. Poster presented at the 5<sup>th</sup> Dallas Aging and Cognition Conference, Dallas, TX.

Horn, M. M., **Kennedy, K. M.**, Rodrigue, K. M. (2017, Jan). Relationship between subjective memory assessment and objective memory performance: Differential effects of sex and risk for Alzheimer's disease. Poster presented at the 5<sup>th</sup> Dallas Aging and Cognition Conference, Dallas, TX.

Owens, S., Trieu, L., Hoagey, D. A., Rodrigue, K. M., **Kennedy, K. M.** (2017, Jan). White Matter Hyperintensity Location Differentially Predicts Working Memory at Different Points in the Lifespan. Poster presented at the 5<sup>th</sup> Dallas Aging and Cognition Conference, Dallas, TX.

Boylan, M. A., Rieck, J. R., Foster, C. M., Rodrigue, K. M., **Kennedy, K. M.** (2017, Jan). Greater Fronto-Parietal Modulation with Aging is Associated with Better Cognitive Performance. Poster presented at the 5<sup>th</sup> Dallas Aging and Cognition Conference, Dallas, TX.

Matijevic, S., Rodrigue, K. M., Hoagey, D. A., **Kennedy, K. M.** (2017, Jan). Differential Aging and Blood Pressure Effects in Regional Corpus Callosum Microstructure. Poster presented at the 5<sup>th</sup> Dallas Aging and Cognition Conference, Dallas, TX.

Miranda, G. G., Rodrigue, K. M., **Kennedy, K. M.** (2017, Jan). Common Genetic Dopamine Polymorphisms Show Differential Effects on Aging of Frontal, Parietal and Cingulate Thickness. Poster presented at the 5<sup>th</sup> Dallas Aging and Cognition Conference, Dallas, TX.

Hoagey, D. A., Rodrigue, K. M., **Kennedy, K.M.** (2017, Jan). Age-Related Reduction in Fronto-Posterior Tracts is Associated with Poorer Executive Function across the Lifespan. Poster presented at the 5<sup>th</sup> Dallas Aging and Cognition Conference, Dallas, TX.

Trieu, L., Owens, S., Hoagey, D. A., Rodrigue, K. M., **Kennedy, K. M.** (2017, Jan). White Matter Hyperintensity Burden in a Healthy Aging Sample: Effects on Inhibitory Processing. Poster presented at the 5<sup>th</sup> Dallas Aging and Cognition Conference, Dallas, TX.

Farrell, M. E., **Kennedy, K. M.**, Rodrigue, K. M., Wig, G., Bischof, G. N., Rieck, J. R., Chen, X., Festini, S. B., Park, D. C. (2017, Jan). Baseline Amyloid Burden Predicts Cognitive Decline Four Years Later in Healthy Adults: The Value of a Dose-Response Analysis. Poster presented at the annual Human Amyloid Imaging meeting, Miami, FL.

Miranda, G. G., Rodrigue, K. M., Rieck, J. R., **Kennedy, K. M.** (2016, Nov). COMT Val158Met Polymorphism is Associated with Decreased Cortical Thickness for Val Carriers in Regions of the Dopaminergic System. Poster presented at the annual Society for Neuroscience meeting, San Diego, CA.

Hoagey, D. A., Rieck, J. R., Rodrigue, K. M., **Kennedy, K. M.** (2016, Nov). Multivariate analysis reveals a dynamic relationship between parietal gray matter volume and anterior white matter fractional anisotropy across the healthy lifespan. Poster presented at the annual Society for Neuroscience meeting, San Diego, CA.

Jayakumar, M., de Chastelaine, M., Donley, B., **Kennedy, K.M.**, Rugg, M.D. (2016, Nov). Relationship between episodic memory performance, fMRI correlates of encoding and retrieval and estimates of regional brain structure in older adults. Poster presented at the annual Society for Neuroscience meeting, San Diego, CA.

Farrell, M. E., **Kennedy, K. M.**, Rodrigue, K. M., Wig, G. S., Bischof, G. N., Rieck, J. R., Chen, X., Festini, S. B., Devous, M. D., Park, D. C. (2016, July). Differentiating preclinical Alzheimer's disease from normal aging: The effects of age and amyloid on cognitive decline over 3.5 years. Poster presented at Alzheimer's Association International Conference, Toronto, ON.

**Kennedy, K. M.**, Rodrigue, K. M. (2016, June). Frontal modulation supports working memory performance in middle-aged and older adults. Talk presented at International Society for Behavioural Neuroscience, Dubrovnik, CR.

McDonough, I. M., Bischof, G. N., **Kennedy, K. M.**, Rodrigue, K. M., Farrell, M. E., & Park, D. C. (2016, May). Fluid and crystallized discrepancy in healthy adults: The relationship with beta-amyloid and cortical thickness. Talk presented at the 2nd International Meeting of the Psychonomic Society. Grenada, Spain.

**Kennedy, K. M.**, Boylan, M. A., Rieck, J. R., Rodrigue, K. M. (2016, April). Neural response to working memory load in healthy aging: Frontal modulation supports performance in middle-aged and older adults. Plenary talk presented at Cognitive Aging Conference, Atlanta, GA.

Horn, M. M., **Kennedy, K. M.**, Rodrigue, K. M. (2016, April). Subjective memory assessment and memory performance: Role of mood, APOE genotype and beta-amyloid deposition. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Rieck, J. R., Boylan, M. A., Rodrigue, K. M., **Kennedy, K. M.** (2016, April). Age-related decreases in modulation of neural activity during difficult visuo-spatial judgments. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Boylan, M. A., Rieck, J. R., Rodrigue, K. M., **Kennedy, K. M.** (2016, April). Neural response to working memory load in healthy aging: Frontal modulation supports performance in middle-aged and older adults. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Matijevic, S., Hoagey, D. A., Rodrigue, K. M., **Kennedy, K. M.** (2016, April). Differential aging and blood pressure effects across corpus callosum subregions: A lifespan DTI study. Poster presented at Cognitive Neuroscience Society annual meeting, New York, NY.

Hoagey, D. A., **Kennedy, K. M.**, Bartel, T., Kerr, D., Visscher, K., Gerstenecker, A., Marson, D. C. (2016, April). White matter microstructural degradation is associated with decreased financial ability in patients with MCI and Alzheimer's dementia. Poster presented at Cognitive Neuroscience Society annual meeting, New York, NY.

McDonough, I. M., Bischof, G. N., **Kennedy, K. M.**, Rodrigue, K. M., Farrell, M. E., & Park, D. C. (2016, January). Fluid and crystallized discrepancy in healthy adults: The relationship with beta-amyloid and cortical thickness. Poster presented at the 10th Human Amyloid Imaging meeting. Miami, Florida.

**Kennedy, K. M.** (2015, Nov). Investigating Aging of the Human Brain and Cognition Using Neuroimaging Techniques. Talk presented at Scholars' Day, The University of Texas at Dallas, Richardson, TX.

**Kennedy, K. M.** (2015, Nov). Nature, nurture and the aging brain. Talk presented to Director's Research Circle, Center for Vital Longevity, Dallas, TX.

**Kennedy, K. M.** (2015, Nov). Introduction to your aging brain. Talk presented at inaugural Brain Matters Lecture Series, School of Behavioral and Brain Sciences, The University of Texas at Dallas, Richardson, TX.

**Kennedy, K. M.**, Robinson, P.R., Rodrigue, K. M., Rast, P., Schaie, K. W., Willis, S. L. (2015, Oct). Changes in association white matter tract integrity precede thinning of regional gray matter cortex: Four-year findings from the Seattle Longitudinal Study. Talk presented at Society for Neuroscience annual meeting, Chicago, IL.

Billig, A., **Kennedy, K. M.**, Robinson, P.R., Schaie, K. W., Willis, S. L. (2015, Oct). Factors modifying longitudinal change in white matter tract integrity in healthy midlife and older adults. Poster presented at Society for Neuroscience annual meeting, Chicago, IL.

Robinson, P. R., Rast, P., **Kennedy, K. M.**, Schaie, K. W., Willis, S. L. (2015, Oct). Modifiers of eight-year longitudinal change in frontal lobe cortical thickness. Talk presented at Society for Neuroscience annual meeting, Chicago, IL.

Savalia, N. K., Agres, P. F., Chan, M. Y., **Kennedy, K. M.**, Park, D. C., Wig, G. (2015, Oct). Motion-related noise in structural brain images may be revealed with independent estimates of in-scanner head motion. Poster presented at Society for Neuroscience annual meeting, Chicago, IL.

**Kennedy, K. M.**, & Rodrigue, K. M. (2015, June). Modulation of functional activation to working memory load across the adult lifespan: Finding the CRUNCH point. Talk presented at International Society for Behavioural Neuroscience, Kona, HI.

**Kennedy, K. M.,** Reese, E., Unni, A., Rodrigue, K. M. (2015, June). Aging of executive function and working memory is differentially associated with thickness of regional prefrontal and parietal cortices. Poster presented at Organization for Human Brain Mapping annual meeting, Honolulu, HI.

**Kennedy, K. M.** (2015, May). Normal Aging vs Alzheimer's Disease: The Role of Genetic and Lifestyle Factors. Invited speaker at the Innovation in Aging, Caregiving, and Technology Summit. Dallas, TX.

Reese, E., **Kennedy, K. M.,** Unni, A., Rodrigue, K. M. (2015, April). Aging of executive function is associated with thickness of regional prefrontal and parietal cortex. Poster presented at the Cognitive Neuroscience Society annual meeting, San Francisco, CA.

**Kennedy, K. M.,** Unni, A., Hoagey, D., Rodrigue, K. M. (2015, April). Modulation of functional activation to working memory load across the adult lifespan: Finding the crunch point. Poster presented at the Cognitive Neuroscience Society annual meeting, San Francisco, CA.

**Kennedy, K. M.** (2015, Apr). Normal Aging vs Alzheimer's Disease: Risk Factors and Preventative Measures. Invited speaker at the BvB organizational meeting, Dallas, TX.

**Kennedy, K. M.** (2015, Feb). Aging, Cognition and the Brain: Structural and Functional Associations. Invited talk to Department of Psychology colloquium series, Pennsylvania State University, College Park, PA.

**Kennedy, K. M.** (2015, Feb). Aging, Cognition and the Brain: Structural and Functional Associations. Invited talk to Department of Psychology colloquium series, University of Texas at Arlington, Arlington, TX.

**Kennedy, K. M.** (2015, Jan). The sciences of cognitive aging and cognitive neuroscience; a call for integration. Invited talk at the Dallas Aging and Cognition Conference, Dallas, TX.

**Kennedy, K. M.,** Unni, A. K., Hoagey, D. A., Rodrigue, K. M. (2015, Jan). Modulation of functional activation to working memory load across the adult lifespan: Finding the CRUNCH point. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.

**Kennedy, K. M.,** Rieck, J. R., Evans, P., Park, D. C. (2015, Jan). Age-related decrease in regional white matter integrity predicts reduced neural modulation to task processing demands. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.

Reese, E. D., Unni, A. K., **Kennedy, K. M.,** Rodrigue, K. M. (2015, Jan). Aging of executive functions is associated with thickness of regional prefrontal and parietal cortex. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.

Willis, S. L., **Kennedy, K. M.,** Robinson, P., Rodrigue, K. M., Schaie, K. W. (2015, Jan). Longitudinal Change in Cortical Thickness and White Matter and Association with Cognition: Findings from Seattle Longitudinal Study. Talk presented at Dallas Aging and Cognition Conference, Dallas, TX.

Rieck, J.R., **Kennedy, K.M.,** Park D. C. (2015, Jan). White matter integrity predicts age-related differences in neural specificity in the ventral visual pathway. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.

Bischof, G. N., **Kennedy, K. M.**, McDonough, I., Rodrigue, K. M., Rieck, J. R., Devous, M. D., Park, D. C. (2015, Jan). Differential patterns of cortical thickness in individuals with elevated beta-amyloid across the adult lifespan. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.

Farrell, M. E., Bischof, G. N., **Kennedy, K. M.**, Rodrigue, K. M., Devous, M. D., Park, D. C. (2015, Jan). Frontal and temporal amyloid deposition in middle adulthood: The predictive value of APOE4 and lifetime cognitive engagement. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.

Donley, B. E., Chakraborty, S., de Chastelaine, M., **Kennedy, K. M.**, Rugg, M. D. (2015, Jan). Relation between cortical thickness and cognitive performance as a function of age and intra-scan motion. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.

Siegel, J., de Chastelaine, M., Mattson, J., Wang, T., Donley, B., **Kennedy, K. M.**, Rugg, M. D. (2015, Jan). Fornix microstructure and episodic memory. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.

Park, D. C., Farrell, M., Rodrigue, K. M., **Kennedy, K. M.**, Bischof, G. N., Devous, M. D. (2015, Jan). Longitudinal Effects of Amyloid Accumulation on Cognition in a Healthy Adult Cohort Aged 30-89: Results from the Dallas Lifespan Brain Study. Talk presented at Human Amyloid Imaging annual meeting, Miami, FL.

Bischof, G. N., **Kennedy, K. M.**, McDonough, I., Rodrigue, K. M., Rieck, J. R., Devous, M. D., Park, D. C. (2015, Jan). Differential Patterns of Cortical Thickness in Individuals with Elevated Beta-amyloid across the Adult Lifespan. Poster presented at Human Amyloid Imaging annual meeting, Miami, FL.

Farrell, M., Bischof, G. N., **Kennedy, K. M.**, Rodrigue, K. M., Devous, M. D., Park, D. C. (2015, Jan). The Importance of Frontal and Temporal Amyloid Deposition in Middle Adulthood: The Predictive Value of APOE  $\epsilon$ 4 and Lifetime Cognitive Engagement. Poster presented at Human Amyloid Imaging annual meeting, Miami, FL.

**Kennedy, K. M.** (2014, Nov). Aging, Cognition, and the Brain: Structural and Functional Associations with Beta-Amyloid Deposition. Invited talk at Avid Radiopharmaceuticals, Philadelphia, PA.

**Kennedy, K. M.**, Rieck, J. R., Evans, P., Park, D. C. (2014, Nov). Age-related decreases in regional white matter integrity predict reduced neural modulation to task processing demands: A combined DTI and fMRI lifespan aging study. Talk presented at Society for Neuroscience annual meeting, Washington, DC.

Willis, S. L., **Kennedy, K. M.**, Rast, P., Gross, A. L., Rodrigue, K. M., Robinson, P., Barrera-Martinez, L., Schaie, K. W. (2014, Nov). Longitudinal change in association white matter tract integrity is related to cognition in healthy midlife and older adults: Findings from Seattle Longitudinal Study. Talk presented at Society for Neuroscience annual meeting, Washington, DC.

\*Bischof, G. N., **Kennedy, K. M.**, McDonough, I., Rodrigue, K. M., Rieck, J. R., Devous, M. D., Park, D.C. (2014, Nov). Structural consequences of amyloid burden across the adult lifespan. Talk presented at Society for Neuroscience annual meeting, Washington, DC.

\*Selected by Society for Neuroscience as a hot topic submission.

Quintin, E-M., Ennis, G., **Kennedy, K. M.**, Shin, J., Hertzog, C., Moffat, S. D. (2014, Nov). Increased daily cortisol secretion and aging are associated with smaller amygdala volume. Poster presented at Society for Neuroscience annual meeting, Washington, DC.

McLaren, D. G., Rast, P., Gross, A. L., **Kennedy, K. M.**, Rodrigue, K. M., Robinson, P., Barrera-Martinez, L., Schaie, K. W., Willis, S. L. (2014, Nov). Longitudinal thinning in association cortices is related to cognition in healthy middle aged and older adults: findings from the Seattle Longitudinal Study. Talk presented at Society for Neuroscience annual meeting, Washington, DC.

**Kennedy, K. M.** (2014, Oct). Aging, Cognition and the Brain: Structural and Functional Associations. Invited talk at Center for BrainHealth colloquium series, University of Texas at Dallas, Dallas, TX.

**Kennedy, K. M.** (2014, Sept). Normal Aging vs Alzheimer's Disease: Risk Factors and Preventative Measures. Invited keynote speaker at the Alzheimer's Women's Association for Resources and Education meeting, Dallas, TX.

**Kennedy, K. M.** (2014, August). Why study the aging brain: Does it work differently? Invited talk to the Dallas Lifespan Brain Study participants, Center for Vital Longevity, University of Texas at Dallas, Dallas, TX.

Park, D.C., Devous, M. D., Farrell, M. E., Bischof, G. N., Rieck, J. R., Rodrigue, K. M., **Kennedy, K. M.** (2014, July). Effects of *in vivo* amyloid burden on cognition in healthy adults aged 30 to 89: Initial longitudinal results across 3.5 years from the Dallas Lifespan Brain Study. Poster presented at Alzheimer's Association International Conference, Copenhagen, DE.

Liu, P., Lu, H., Rodrigue, K. M., **Kennedy, K. M.**, Peng, S-L., Devous, M. D., Park, D. C. (2014, July). Impact of  $\beta$ -Amyloid burden on brain perfusion and vascular reactivity in normal aging. Talk presented at Alzheimer's Association International Conference, Copenhagen, DE.

Farrell, M. E., Bischof, G. N., **Kennedy, K. M.**, Rodrigue, K. M., Devous, M. D., Park, D. C. (2014, July). Amyloid accumulation in early and middle adulthood: The impact of life experience. Talk presented at Alzheimer's Association International Conference, Copenhagen, DE.

**Kennedy, K. M.** (2014, June). Age-related decreases in regional white matter integrity predict reduced neural modulation to task processing demands: A combined DTI and fMRI lifespan aging study. Talk presented at International Society for Behavioural Neuroscience, Amsterdam, Netherlands.

Bischof, G. N., **Kennedy, K. M.**, Rodrigue, K. M., Devous, M. D., Park, D. C. (June, 2014). Amyloid deposition in Middle-Aged Adults: Differential Relationships with Cognition. Organization for Human Brain Mapping annual meeting, Hamburg, Germany.

**Kennedy, K. M.** (2014, May). Incorporating beta-amyloid imaging into neuroimaging and neuropsychological studies of aging, mild cognitive impairment and Alzheimer's Disease. Invited talk at University of Texas Southwestern Medical Center Alzheimer's Disease Center, Dallas, TX.

**Kennedy, K. M.**, Rodrigue, K. M., Gross, A., Robinson, P., Berrera-Martinez, L., Schaie, K. W., Willis, S. L. (2014, April). Four year change in association white matter tract integrity is related to cognitive performance in middle-aged and older adults: Evidence from the Seattle Longitudinal Study. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Farrell, M. E., Bischof, G. N., Rodrigue, K. M., **Kennedy, K. M.**, Park, D. C. (2014, April). Advanced education mediates the impact of amyloid burden on reasoning in healthy older adults. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Farrell, M. E., Bischof, G. N., Rodrigue, K. M., **Kennedy, K. M.**, Park, D. C. (2014, Jan). Advanced education mediates the impact of amyloid burden on reasoning in healthy older adults. Poster presented at Human Amyloid Imaging meeting, Miami, FL.

**Kennedy, K. M.** (Nov, 2014). Aging and the Brain: What are its Effects and What can we do about it? Invited talk to Presbyterian Village North, Dallas, TX.

Willis, S.L., Rast, P., McLaren, D., Grabowski, T.J., **Kennedy, K. M.**, Rodrigue, K. M., Gross, A., Robinson, P., Schaie, K.W. (2013, Nov). Comparison of Findings of Longitudinal change in cortical thickness between cross sectional and longitudinal processing streams in Freesurfer. Poster presented at Society for Neuroscience annual meeting, San Diego, CA.

Bischof, G. N., Rodrigue, K. M., **Kennedy, K. M.**, Devous, M. D., Park, D. C. (2013, Nov). The relationship of amyloid burden and memory retrieval across the Lifespan. Talk presented at Society for Neuroscience annual meeting, San Diego, CA.

Rieck, J. R., Rodrigue, K. M., **Kennedy, K. M.**, Devous, M. D., & Park, D. C. (2013, July). Predicting beta-amyloid deposition and cognitive deficits in healthy adults: a multivariate analysis of neural processing during an fMRI face task. Talk presented at Alzheimer's Association International Conference, Boston, MA.

**Kennedy, K. M.**, Rodrigue, K. M., Rieck, J. R., Evans, P., Devous, M. D., Sr, Park, D. C. (2013, June). Increased Beta-Amyloid Deposition is Associated with Decreased White Matter Integrity in Healthy Adults. Poster presented at Organization for Human Brain Mapping meeting, Seattle, WA.

**Kennedy, K. M.**, Rodrigue, K. M., Bischof, G. N., Hebrank, A. C., Reuter-Lorenz, P. A., Park, D. C. (2013, June). Age-related alterations in functional activation: Difficulty modulation and bilateral activation differences across the lifespan. Talk presented at annual International Society for Behavioural Neuroscience meeting, Montreal, CN.

**Kennedy, K. M.**, Rodrigue, K. M., Rieck, J. R., Evans, P., Devous, M. D., Sr, Park, D. C. (2013, Jan). Increased Beta-Amyloid Deposition is Associated with Decreased White Matter Integrity in Healthy Adults. Talk presented at Human Amyloid Imaging meeting, Miami, FL.

Park, D. C., Bischof, G. N., **Kennedy, K. M.**, Rodrigue, K. M., Devous, M. D., Sr. (2013, Jan). Age, education and amyloid deposition: Confirmation of cognitive reserve. Poster presented at Human Amyloid Imaging meeting, Miami, FL.

Bischof, G. N., Rodrigue, K.M., **Kennedy, K.M.**, Devous, M. D., Sr., Park, D. C. (2013, Jan). Differential relationships of amyloid burden and memory retrieval formats across the adult lifespan. Poster presented at Human Amyloid Imaging meeting, Miami, FL.

**Kennedy, K. M.** (2012, Nov). Diffusion Tensor Imaging: An Overview of Methods and Recent Applications. Talk presented at University of Washington Integrated Brain Imaging Center, Seattle, WA.



**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Park, D. C. (2012, Oct). Age-related alterations in functional activation: Difficulty modulation and bilateral activation differences across the lifespan. Talk presented at annual Society for Neuroscience meeting, New Orleans, LA.

Bischof, G.N., **Kennedy, K. M.**, Rodrigue, K. M., Park, D. C. (2012, Oct). Contributions of volume and white matter hyperintensities to age-related variance in cognitive challenge in healthy adults. Poster presented at annual Society for Neuroscience meeting, New Orleans, LA.

McDonough, I., Reuter-Lorenz, P. A., Rieck, J. R., **Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Park, D. C. (2012, Oct). The relationship between individual differences in cognitive functioning and neural distinctiveness across the lifespan as revealed by multivariate pattern analysis. Talk presented at annual Society for Neuroscience meeting, New Orleans, LA.

Wig, G. S., Snyder, A. Z., Miezin, F. M., Hebrank, A. C., **Kennedy, K. M.**, Rodrigue, K. M., Park, D. C., Petersen, S. E. (2012, Oct). Brain parcellation using fc-Snowballing across the healthy adult lifespan reveals a subtle difference in area localization in advanced age. Poster presented at annual Society for Neuroscience meeting, New Orleans, LA.

Raz, N., Schmiedek, F., Rodrigue, K.M., **Kennedy, K. M.**, Lindenberger, U., Lövdén, M. (2012, Oct). Intensive cognitive training has a limited effect on regional brain shrinkage. Talk presented at annual Society for Neuroscience meeting, New Orleans, LA.

Devous, M. D., **Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Park, D. C. (2012, July). Beta-amyloid burden alters Default Mode and Salience Network connectivity associated with impaired cognition in healthy aging. Talk presented at the Alzheimer's Association International Conference, Vancouver, CA.

Rodrigue, K. M., Rieck, J. R., **Kennedy, K. M.**, Devous, M. D., Diaz-Arrastia, R., Park, D. C. (2012, July). Risk Factors for Amyloid Deposition in Healthy Aging: Interactive Effects of Vascular and Genetic Risk. Talk presented at the Alzheimer's Association International Conference, Vancouver, CA.

**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Park, D. C. (2012, June). Age-related alterations in functional activation: Difficulty modulation and bilateral activation differences across the lifespan. Poster presented at the Organization for Human Brain Mapping annual meeting, Beijing, China.

Liu, P., Hebrank, A. C., Rodrigue, K. M., **Kennedy, K. M.**, Park, D. C., Lu, H. (2012, May). Vessel-reactivity-corrected fMRI reveals novel patterns of age-related changes in brain activity. Presented at International Society of Magnetic Resonance in Medicine annual meeting, Melbourne, AU.

**Kennedy, K.M.**, Rodrigue, K. M., Hebrank, A. C., Park, D. C. (2012, April). Age-related alterations in functional activation: Difficulty modulation and bilateral activation differences across the lifespan. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Rodrigue, K. M., Rieck, J. R., **Kennedy, K. M.**, Devous, M. D., Diaz-Arrastia, R., Park, D. C. (2012, April). Risk Factors for Beta-Amyloid Deposition with Aging: Interactive Effects of Vascular and Genetic Risk. Plenary talk presented at Cognitive Aging Conference, Atlanta, GA.

McDonough, I.M., **Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Park, D. C. (2012, April). Differences in Neural Patterns During Memory Encoding Across the Lifespan using Multi-voxel Pattern Analysis. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Bischof, G. N., Rodrigue, K. M., **Kennedy, K. M.**, Devous, M. D., Rieck, J. R., Park, D. C. (2012, April). The Role of Beta-Amyloid Deposition, White Matter Hyperintensities and Hippocampal Volume in Cognition: Relative Contributions to Cognitive Aging. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Devous, M. D., **Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Park, D. C. (2012, Jan). Beta-amyloid burden alters Default Mode and Salience Network connectivity in a manner that predicts impaired cognition in a lifespan sample of healthy adults. Poster presented at annual Human Amyloid Imaging Conference, Miami, FL.

Rieck, J. R., Rodrigue, K. M., **Kennedy, K. M.**, Hebrank, A. C., Devous, M. D., Park, D. C. (2012, Jan). Higher beta-amyloid burden associated with neural differences in face processing in non-demented older adults. Poster presented at annual Human Amyloid Imaging Conference, Miami, FL.

Bischof, G. N., Rodrigue, K. M., **Kennedy, K. M.**, Devous, M. D., Rieck, J. R., Park, D. C. (2012, Jan). The Role of Amyloid Deposition, White Matter Hyperintensities and Hippocampus Volume in Age-related Differences in Cognition. Talk presented at annual Human Amyloid Imaging Conference, Miami, FL.

**Kennedy, K. M.** (2011, Dec). Aging, Cognition and the Brain: Structural and Functional Associations. Invited colloquium talk at Department of Psychology, University of South Carolina, Columbia, SC.

**Kennedy, K. M.** (2011, Dec). Aging, Cognition and the Brain: Structural and Functional Associations. Invited colloquium talk at Department of Psychology, University of Missouri Kansas City, Kansas City, MO.

**Kennedy, K. M.** (2011, Nov). Aging, Cognition and the Brain: Structural and Functional Associations. Invited colloquium talk at Center for Vital Longevity Colloquium Series, University of Texas at Dallas, Dallas, TX.

Zhu, Y., Tseng, B.Y., Parker, R., Van Erkelens, A., Coles, G., Brunk, E., Armstrong, K., Rodrigue, K., **Kennedy, K.**, Park, D., Zhang, R. (2011, Nov). Exercise Training Decreases Arterial Stiffness and Improves Brain Perfusion in Sedentary Elderly Women. Talk presented at American Heart Association Scientific Sessions, Orlando, FL.

**Kennedy, K. M.** (2011, Oct). Aging of Brain Structure: Cognitive Consequences and Functional Impact. Invited colloquium talk at Institute of Gerontology Colloquium Series, Wayne State University, Detroit, MI.

**Kennedy, K. M.**, Rodrigue, K. M., Devous, M. D. & Park, D. C. (2011, Sept). Amyloid Deposition and Cognitive Function in a Large Lifespan Sample of Healthy Adults. Symposium talk presented at International Conference on Cognitive Neuroscience, Mallorca, SP.

**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Bischof, G. N., Rieck, J. R., Devous, M. D., Park, D. C. (2011, July). Impact of Amyloid Deposition on Cognitive Function in a Large Lifespan Sample of Healthy Adults. Poster presented at the International Conference on Alzheimer's Disease, Paris, FR.

Park, D. C., **Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Bischof, G. N., Rieck, J. R., Devous, M. D. (2011, July). Impact of Amyloid Deposition on Cognitive Function in a Large Lifespan Sample of Healthy Adults. Talk presented at the Alzheimer's Imaging Consortium, Paris, FR.

**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Devous, M.D., & Park, D. C. (2011, June). Precuneus amyloid burden is associated with decreased bilateral frontal activation and default network suppression in healthy adults. Poster presented at Society for Nuclear Medicine annual meeting, San Antonio, TX.

Devous, M.D., **Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., & Park, D. C. (2011, June). Precuneus beta-amyloid burden correlates with altered cortical network function in a lifespan sample of healthy adults. Talk presented at Society for Nuclear Medicine annual meeting, San Antonio, TX.

Rodrigue, K. M., **Kennedy, K. M.**, Devous, M.D., & Park, D. C. (2011, June). Beta-amyloid in healthy aging: Regional distribution and cognitive consequences. Talk presented at Society for Nuclear Medicine annual meeting, San Antonio, TX.

**Kennedy, K. M.** (2011, June). Age-related changes to frontal and temporal structure and the impact on memory. Symposium talk presented at the International Society for Behavioural Neuroscience meeting, Verona, IT.

Parker, R., Coles, G., Tseng, B., Brunk, E., Armstrong, K., **Kennedy, K.M.**, Rodrigue, K.M., Park, D.C., Zhang, R. (2011, May). Improvement in Physical Function with Aerobic Training in Elderly Women. Presented at American College of Sports Medicine Annual Meeting, Denver, CO.

Park, J., Carp, J., Bischof, G., Huang, C., **Kennedy, K. M.**, Rieck, J., Rodrigue, K. M., Polk, T., & Park, D. C. (2011, April). Age-related dedifferentiation in the face network. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

**Kennedy, K. M.**, Rodrigue, K. M., Devous, M.D., & Park, D. C. (2011, Feb). Beta-amyloid burden is associated with altered functional activation during encoding across the adult lifespan. Talk presented at Dallas Aging and Cognition Conference, Dallas, TX.

Rodrigue, K. M., **Kennedy, K. M.**, Devous, M.D., & Park, D. C. (2011, Feb). Beta-amyloid in healthy aging: Regional distribution and cognitive consequences. Talk presented at Dallas Aging and Cognition Conference, Dallas, TX.

King, R. D., **Kennedy, K. M.**, Rodrigue, K. M., & Park, D. C. (2011, Feb). Quantification of age-related shape changes in the cerebral cortex using fractal dimension. Poster presented at Dallas Aging and Cognition Conference, Dallas, TX.

Park, D. C., **Kennedy, K. M.**, Rodrigue, K. M., Bischof, G. N., Rieck, J. R., Hebrank, A. C., & Flicker, B. (2011, Feb). Dallas Lifespan Brain Study: A lifespan study of neurocognitive aging. Poster presented at Dallas Aging and Cognition Conference, Dallas, TX.

Rodrigue, K. M., **Kennedy, K. M.**, Hebrank, A. C., Devous, M.D., & Park, D. C. (2011, Jan). Beta-amyloid in healthy aging: Regional distribution and cognitive consequences. Poster presented at Human Amyloid Imaging Meeting, Miami, FL.

Devous, M.D., **Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., & Park, D. C. (2011, Jan). Precuneus beta-amyloid burden correlates with altered cortical network function in a lifespan sample of healthy adults. Talk presented at Human Amyloid Imaging Meeting, Miami, FL.

**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Park, H., Devous, M.D., & Park, D. C. (2011, Jan). Precuneus beta-amyloid burden is associated with decreased bilateral frontal activation and default network suppression in healthy adults. Talk presented at Human Amyloid Imaging Meeting, Miami, FL.

**Kennedy, K. M.**, Rodrigue, K. M., & Park, D. C. (2010, Dec). Beta-amyloid Deposition across the Healthy Adult Lifespan: Functional Alterations to the Aging Mind. Talk presented at International Conference on Cognitive Development, Allahabad, India.

Rodrigue, K. M., **Kennedy, K. M.**, & Park, D. C. (2010, Dec). Beta-amyloid deposition across the healthy adult lifespan: Regional differences and cognitive consequences. Talk presented at International Conference on Cognitive Development, Allahabad, India.

**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Park, H., Devous, M.D., & Park, D. C. (2010, Nov). Increased precuneus beta-amyloid burden is associated with decreased bilateral frontal activation in healthy adults. Poster presented at Society for Neuroscience Annual Meeting, San Diego, CA.

Park, D. C., **Kennedy, K. M.**, Rodrigue, K. M., Rieck, J. R., Flicker, B., Devous, M. D. (2010, Nov). Beta-amyloid deposition is associated with decreased processing speed and working memory but not reasoning or episodic memory in a highly screened healthy lifespan sample. Poster presented at Society for Neuroscience Annual Meeting, San Diego, CA.

Rodrigue, K. M., **Kennedy, K. M.**, Hebrank, A. C., Bischof, G., Devous, M.D., & Park, D. C. (2010, Nov). Higher amyloid burden is associated with decreased hippocampal and parahippocampal activation across two functional tasks in healthy older adults. Poster presented at Society for Neuroscience Annual Meeting, San Diego, CA.

Park, H., **Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Flicker, B., Park, D. C. (2010, Nov). Neural correlates of encoding activity across the lifespan. Poster presented at Society for Neuroscience Annual Meeting, San Diego, CA.

Rodrigue, K. M., **Kennedy, K. M.**, Devous, M. D., Sr., & Park, D. C. (2010, Nov). Consequences of beta amyloid deposition in healthy adults. Talk presented at Greater Dallas Human Brain Imaging Retreat, Dallas, TX.

**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Park H., Devous, M.D., & Park, D. C. (2010, Nov). Increased precuneus beta-amyloid burden is associated with decreased bilateral frontal activation in healthy adults. Poster presented at Greater Dallas Human Brain Imaging Retreat, Dallas, TX.

**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Park H., Devous, M.D., & Park, D. C. (2010, July). Increased precuneus beta-amyloid burden is associated with decreased bilateral frontal activation in healthy adults. Poster presented at International Conference on Alzheimer's Disease, Honolulu, HI.

Rodrigue, K. M., **Kennedy, K. M.**, Hebrank, A. C., Bischof, G., Devous, M.D., & Park, D. C. (2010, July). Higher amyloid burden is associated with decreased hippocampal and parahippocampal activation across two functional tasks in healthy older adults. Poster presented at International Conference on Alzheimer's Disease, Honolulu, HI.

**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Bischof, G. N., & Park, D. C. (2010, June). The Role of Hippocampal Volume in Age-Related Activation Patterns in a Subsequent Memory Paradigm. Poster presented at Human Brain Mapping conference, Barcelona, SP.

Shing, Y. L., Rodrigue, K. M., **Kennedy, K. M.**, Fandakova, Y., Bodammer, N., Werkle-Bergner, M., Lindenberger, U., Raz, N. (2010, June). Regional Hippocampal Structure: Differential Aging and Relations to Associative Recognition Memory. Poster presented at Human Brain Mapping conference, Barcelona, SP.

**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Bischof, G. N., & Park, D. C. (2010, June). Hippocampal Volume Modifies Age-Related Activation Pattern in a Subsequent Memory Paradigm. Talk presented at International Society for Behavioral Neuroscience, Collioure, FR.

**Kennedy, K. M.**, Rodrigue, K. M., King, R. D., & Park, D. C. (2010, April). Patterns of age-related regional cortical thinning differentially predict cognitive performance in multiple domains across the lifespan. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Rodrigue, K. M., Hebrank, A. C., **Kennedy, K. M.**, Lu, H., Park, D. C. (2010, April). The effects of cerebral blood flow on cognitive aging in a lifespan sample. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Bischof, G. N., Rodrigue, K. M., **Kennedy, K. M.**, & Park, D. C. (2010, April). Evaluation of the Flanker Task across the Lifespan: Interference or Inhibition? Poster presented at Cognitive Aging Conference, Atlanta, GA.

King, R. D., **Kennedy, K. M.**, Jeon, T., Hwang, M., Rodrigue, K. M., & Park, D. C. (2010, April). Quantification of age-related shape changes in the cerebral cortex using fractal dimension. Poster presented at American Academy of Neurology meeting, Toronto, ON.

Park, D. C., Rodrigue, K. M., **Kennedy, K. M.**, Rieck, J. R., Hebrank, A. C., & Devous, M. D. (2010, April). Amyloid burden in normal aging: The Dallas Lifespan Brain Study. Poster presented at 4<sup>th</sup> annual Human Amyloid Imaging meeting, Toronto, ON.

**Kennedy, K. M.**, Rodrigue, K. M., Hebrank, A. C., Bischof, G. N., & Park, D. C. (2010, Jan). The Role of Hippocampal Volume in Age-Related Activation Patterns in a Subsequent Memory Paradigm: Preliminary Findings from the DLBS. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.

Raz, N., **Kennedy, K. M.**, & Rodrigue, K. M. (2009, Oct). Differential brain shrinkage in healthy adults: A longitudinal study. Poster No. 831.29/124 presented at Society for Neuroscience annual meeting, Chicago, IL.

King, R. D., **Kennedy, K. M.**, Jeon, T., Hwang, M., Rodrigue, K. M., & Park, D. C. (2009, Oct). Quantification of age-related shape changes in the cerebral cortex using fractal dimension. Poster No. 140.13/E15 presented at Society for Neuroscience annual meeting, Chicago, IL.

**Kennedy, K. M.** (2009, May). How age-related changes to brain structure impact cognitive aging. Symposium talk presented at the annual International Society for Behavioral Neuroscience meeting, Hilton Head, SC.

**Kennedy, K. M.**, Rodrigue, K. M., Land, S., & Raz, N. (2009, April). Dissociation between Aging of Anterior and Posterior Corpus Callosum Microstructure Depends on Genotype. E-Poster presented at International Society for Magnetic Resonance in Medicine annual meeting, Honolulu, HI.

Benson, R. R., Gattu, R., Raz, N., **Kennedy, K. M.**, Kou, Z., & Haacke, E. M. (2009, April). Variation in DTI-FA as a Function of Age and Brain Region: Setting the Stage for Mild TBI. E-Poster presented at International Society for Magnetic Resonance in Medicine annual meeting, Honolulu, HI.

Lu, H., Cheng, Y., Hebrank, A., Flicker, B., Yezhuvath, U., Rodrigue, K. M., **Kennedy, K. M.**, & Park, D. C. (2009, April). Differential patterns of age-related changes in cerebral blood flow and cerebrovascular reactivity across the lifespan. Talk presented at International Society for Magnetic Resonance in Medicine annual meeting, Honolulu, HI.

**Kennedy, K. M.**, Rodrigue, K. M., Land, S., & Raz, N. (2009, March). Genetic marker of pro-inflammatory response is associated with age-dependent reduction in white matter integrity. Poster #H39 presented at Cognitive Neuroscience Society annual meeting, San Francisco, CA.

King, R., **Kennedy, K. M.**, Rodrigue, K. M., Park, D. C., & Raz, N. (2009, March). Cerebral Cortical Complexity Measures in Normal Aging and Alzheimer's Disease. Poster #H16 presented at Cognitive Neuroscience Society annual meeting, San Francisco, CA.

**Kennedy, K. M.**, Rodrigue, K. M., Land, S., & Raz, N. (2008, Nov). Dissociation Between Aging of Anterior and Posterior Corpus Callosum Microstructure Depends on BDNF Val66met Polymorphism. Talk presented at Society for Neuroscience annual meeting, Washington, D.C.

Raz, N., Jacobs, B. S., Rodrigue, K. M., **Kennedy, K. M.**, Dahle, C., & Land, S. (2008, Nov). Effects of High-Normal Fasting Glucose Blood Levels and BDNF Val66Met Polymorphism on Associative Memory in Healthy Adults. Talk presented at Society for Neuroscience annual meeting, Washington, D.C.

Deshmukh, A., Raz, N., **Kennedy, K. M.**, Rodrigue, K. M., Moffat, S. D., Jacobs, B. S., & Land, S. (2008, Nov). Role of 5, 10-Methylenetetrahydrofolate reductase C677T polymorphism and hypertension in navigation ability in healthy adults. Poster presented at Society for Neuroscience annual meeting, Washington, D.C.

Bender, A., **Kennedy, K. M.**, & Raz, N. (2008, Nov). Age-related Differences in Item and Association Memory for Word Pairs. Poster #1542 presented at the annual meeting of the Gerontological Society of America, National Harbor, MD.

Raz, N., Jacobs, B. S., Rodrigue, K. M., **Kennedy, K. M.**, Dahle, C., & Land, S. (2008, May). Effects of High-Normal Fasting Glucose Blood Levels and BDNF Val66Met Polymorphism on Associative Memory in Healthy Adults. Poster presented at the New York Academy of Sciences Integrative Physiology Conference, New York City, NY.

Gattu, R., Benson, R. R., Myrtheunjayan, B., **Kennedy, K. M.**, Raz, N., Kou, Z., & Haacke, E. M. (2008, May). Ageing and Fractional Anisotropy: Global and Regional Results. Talk presented at International Society for Magnetic Resonance in Medicine, Toronto, ON.

**Kennedy, K. M.**, & Raz, N. (2008, April). Age and Vascular Related Effects on Regional White Matter Integrity and Its Effect on Cognition. Plenary talk presented at Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 5.

Raz, N., Rodrigue, K. M., **Kennedy, K. M.**, & Land, S. (2008, April). Genetic and Vascular Modifiers of Age-Sensitive Cognitive Skills. Plenary talk presented at Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 13.

Bender, A.R., **Kennedy, K.M.**, & Raz, N. (2008, April). Age-related differences in item and association memory for names and faces. Poster presented at Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 137.

**Kennedy, K.M.**, & Raz, N. (2007, Nov). Regional white matter integrity and cognitive performance: The effects of age and vascular risk factors. Poster presented at Society for Neuroscience, San Diego, CA. *Abstract Program # 204.18/DDD23, CD-Rom Abstract*.

Raz, N., Rodrigue, K.M., **Kennedy, K.M.**, & Land, S. (2007, Nov). Selected single-nucleotide polymorphisms and cognitive performance: Differential associations. Paper presented at Society for Neuroscience, San Diego, CA. *Slide Presentation 867.10, CD-Rom Abstract*.

**Kennedy, K.M.**, Erickson, K.I., Rodrigue, K.M., Voss, M., Kramer, A. F., & Raz, N. (2007, May). Age-Related Differences in Regional Brain Volumes: Manual Volumetry vs Voxel Based-Morphometry. Poster #D88 presented at Cognitive Neuroscience Society annual meeting, New York, NY. *Journal of Cognitive Neuroscience, Suppl*, p S142-143.

**Kennedy, K.M.**, Erickson, K.I., Rodrigue, K.M., Webb, M., Colcombe, S.J., Kramer, A. F., & Raz, N. (2006, June). Age-Related Differences in Regional Brain Volumes: A Manual Volumetric vs Voxel Based Morphometry Comparison. Poster presented at Human Brain Mapping conference, Florence, Italy. *Neuroimage, 31, Suppl 1, p. S109. CD-Rom Abstract 79 W-AM*.

Rodrigue, K. M., **Kennedy, K. M.**, Haacke, E. M., & Raz, N. (2006, June). Differential effects of age and hypertension on hemodynamic parameters of the brain. Poster presented at Human Brain Mapping conference, Florence, Italy. *Neuroimage, 31, Suppl 1, p. S33. CD-Rom Abstract 135 M-AM*.

Raz, N., Lindenberger, U., Ghisletta, P., Rodrigue, K.M., **Kennedy, K.M.**, Acker, J.D. (2006, June). Regional Changes in the Aging Brain, Vascular Health, and Implications for Cognition. Poster presented at Human Brain Mapping conference, Florence, Italy. *Neuroimage, 31, Suppl 1, p. S52. CD-Rom Abstract 136 M-PM*.

Rodrigue, K. M., **Kennedy, K. M.**, Haacke, E. M., & Raz, N. (2006, April). Differential effects of age and hypertension on hemodynamic parameters of the brain. Poster #33 presented at Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 235.

Raz, N., Lindenberger, U., Ghisletta, P., Rodrigue, K.M., **Kennedy, K.M.**, & Acker, J.D. (2006, April). Regional changes in the aging brain and their implications for cognition. Poster #32 presented at Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 322.

Moffat, S. D., **Kennedy, K. M.**, Rodrigue, K.M., Raz, N. (2006, April). Age-differences in human spatial navigation: Extra-hippocampal contributions. Poster #43 presented at Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 333.

Raz, N., Rodrigue, K.M. **Kennedy, K.M.**, & Acker, J.D. (2005, December). The effects of age and vascular health on brain and cognition: a longitudinal study. Paper presented at the Workshop on Sensory and Cognitive Impairments in Aging and Neurodegenerative Diseases, Segovia, Spain.

Raz, N., Rodrigue, K. M., **Kennedy, K. M.**, & Acker, J. D. (2005, November). Aging Brain, Health and Cognition: A Longitudinal Study. Paper presented at Society for Neuroscience conference, Washington, D.C. *Abstract Program No. 127.1*.

**Kennedy, K.M.**, Rodrigue, K.M., & Raz, N. (2005, October). Age-Related Perceptual Priming, But Not Perceptual Learning, is Associated with Visual Cortex Volume in Healthy Adults. Poster presented at Graduate Poster Session and Open House, Institute of Gerontology, Wayne State University, Detroit, MI.

**Kennedy, K.M.**, Rodrigue, K.M., & Raz, N. (2005, April). Age-Related Perceptual Priming, But Not Perceptual Learning, is Associated with Visual Cortex Volume in Healthy Adults. Poster presented at Cognitive Neuroscience Society annual meeting, New York, NY. *Journal of Cognitive Neuroscience, Suppl. S 140*.

Rodrigue, K.M., **Kennedy, K.M.**, Head, D., Williamson, A., Raz, N. (2005, April). Aging and Long-term Retention of a Cognitive Skill. Poster presented at Cognitive Neuroscience Society annual meeting, New York, NY. *Journal of Cognitive Neuroscience, Suppl. S 239*.

**Kennedy, K.M.**, Partridge, T., & Raz, N. (2004, November). The Effects of Age and Cognitive Resources on Skill Learning: Distinct or Common Learning Factor? Poster presented at Department of Psychology Graduate Poster Session, Wayne State University, Detroit, MI.

Raz, N., Rodrigue, K. M., **Kennedy, K.M.**, & Acker, J. D. (2004, October). Can hormone replacement therapy protect neocortex from age-related shrinkage? Preliminary evidence from *in vivo* brain volumetry. Poster presented at Society for Neuroscience conference, San Diego, CA. *Abstract Program No. 565.16*.

Moffat, S. D., Rodrigue, K. M., **Kennedy, K. M.**, & Raz, N. (2004, October). Route and place learning in humans: Age differences and structural brain correlates. Poster presented at Society for Neuroscience conference, San Diego, CA. *Abstract Program No. 549.2*.

**Kennedy, K.M.**, Partridge, T., & Raz, N. (2004, October). The Effects of Age and Cognitive Resources on Skill Learning: Distinct or Common Learning Factor? Poster presented at Graduate Poster Session and Open House, Institute of Gerontology, Wayne State University, Detroit, MI.

**Kennedy, K.M.**, Rodrigue, K.M., & Raz, N. (2004, April). Still priming after all those years? Five-year changes in priming and skill acquisition of fragmented picture identification. Poster #55 presented at Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 235.

Raz, N., Partridge, T., & **Kennedy, K.M.** (2004, April). Age-related differences in perceptual-motor skill acquisition and performance depend on cognitive resources. Poster # 20 presented at Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 281.



Raz, N., Lindenberger, U., Rodrigue, K.M., & **Kennedy, K.M.** (2004, April). Differential and common changes in regional brain volumes of healthy adults. Plenary session talk #2 given at Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 7.

Rodrigue, K.M., **Kennedy, K.M.**, & Raz, N. (2004, April). Aging and longitudinal change in perceptual-motor skill acquisition. Poster #59 presented at Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 239.

**Kennedy, K.M.**, & Raz, N. (2004, April). Still priming after all those years? Five-year changes in priming and skill acquisition of fragmented picture identification. Poster presented at Joint Poster Session of the University of Michigan/Wayne State University Institutes of Gerontology, Detroit, MI.

Raz, N., Rodrigue, K. M., **Kennedy, K.M.**, Head, D., Dahle, C. L., & Acker, J. D. (2003, November). Differential brain aging: Longitudinal vs. cross-sectional estimates. Poster program number 843.3 *Abstract Program*, Society for Neuroscience annual meeting, New Orleans, LA.

**Kennedy, K.M.**, & Raz, N. (2003, November). Age, sex, and regional brain volumes predict perceptual-motor skill acquisition in healthy adults. Poster presented at Department of Psychology Graduate Poster Session, Wayne State University, Detroit, MI.

**Kennedy, K.M.**, & Raz, N. (2003, October). Age, sex, and regional brain volumes predict perceptual-motor skill acquisition in healthy adults. Poster presented at Graduate Poster Session and Open House, Institute of Gerontology, Wayne State University, Detroit, MI.

**Kennedy, K.M.**, & Raz, N. (2003, September). Age, sex, and regional brain volumes predict perceptual-motor skill acquisition in healthy adults. Poster presented at Graduate Student Research Day, Wayne State University School of Medicine, Detroit, MI.

Lawrenz, C., Van Whitlock, R., Lubin, B., Yasuda, T., & **Kennedy, K. M.** (2003, August). The state COPAS scales: development, validation, and confirmatory factor analysis. Poster presented at annual meeting of the American Psychological Association, Toronto, Canada.

**Kennedy, K.M.**, Rodrigue, K.M., & Raz, N. (2003, April). Age, sex, and regional brain volumes predict perceptual-motor skill acquisition in healthy adults. Poster presented at Cognitive Neuroscience Society Annual Meeting, New York City, NY.

Rodrigue, K.M., **Kennedy, K.M.**, & Raz, N. (2003, April). Longitudinal shrinkage of the entorhinal cortex, but not the hippocampus predicts memory performance in healthy adults. Poster presented at Cognitive Neuroscience Society Annual Meeting, New York City, NY.

**Kennedy, K. M.**, & Raz, N. (2002, November). Age, sex, and cognitive differences in acquisition of a perceptual-motor skill. Paper presented at the Gerontological Society of America conference, Boston, MA. Abstract in *Gerontologist Special Issue 42*, 337.

**Kennedy, K. M.** (2002, November). Age and sex effect perceptual-motor skill acquisition. Poster presented at the annual Psychology Graduate Poster Session at Wayne State University, Detroit, MI.

**Kennedy, K.M.**, & Raz, N. (2002, October). Age and sex effect perceptual-motor skill acquisition. Poster presented at the Institute of Gerontology Poster Session, Wayne State University, Detroit, MI.

**Kennedy, K.M., & Raz, N.** (2002, April). Age and sex differences in acquisition of mirror tracing skill. Poster #67 presented at the Cognitive Aging Conference, Atlanta, GA, *Abstract Program*, pg. 294.

**Kennedy, K. M., & Raz, N.** (2002, April). Aging and sex differences in perceptual-motor skill acquisition. Poster presented at the Joint Poster Session of the Institutes of Gerontology at University of Michigan and Wayne State University, Ann Arbor, MI.

**Kennedy, K. M.** (2001, November). Establishing test-retest reliability of the Comprehensive Affect and Personality Scales. Poster presented at the annual Psychology Graduate Poster Session at Wayne State University, Detroit, MI.

**Kennedy, K. M.,** Harvey, B. A., Rodrigue, K. M., & Holmes, C. B. (2000, April). Effects of auditory vs visual presentation on WMS-III immediate recall. Poster presented at the annual meeting of the Southwest Psychological Association, Dallas, TX.

**Kennedy, K. M.,** Rodrigue, K. M., & Davis, S. F. (2000, April). "Teaching less is teaching more": An experimental evaluation. Poster presented at the annual meeting of the Southwest Psychological Association, Dallas, TX.

**Kennedy, K. M., & Davis, S. F.** (2000, April). Involving students in the research and publication process: Potential pitfalls of student research. Symposium presented at the annual meeting of the Southwest Psychological Association, Dallas, TX.

**Kennedy, K. M.** (2000, April). Past president and future: An interactive poster session. Poster presented at the annual meeting of the Southwest Psychological Association, Dallas, TX.

Juve, J. A., Weiser, A., **Kennedy, K. M.,** Davis, S. F., & Reney, K. L. (2000, April). "There are HOW MANY spaces after punctuation!" Common APA format errors of student authors. Poster presented at the annual meeting of the Southwest Psychological Association, Dallas, TX.

**Kennedy, K. M.** (2000, January). Issues of grief and bereavement in preschoolers: Tough times, tough questions. Guest speaker at the meeting of the Family Child Care Organization, Emporia, KS.

**Kennedy, K. M.,** Rodrigue, K. M., & Davis, S. F. (1999, November). The introductory psychology books are too long: What can I leave out? Poster presented at the annual meeting of the Association for Psychological and Educational Research in Kansas, Wichita, KS.

**Kennedy, K. M.,** Jarman, Y., Harvey, B., Wallis, D., Silhan, M., & Eikum, F. (1999, November). Teaching students to be lifelong learners. Paper presented at the annual meeting of the Southwest Regional Teaching of Psychology Conference, Fort Worth, TX.

Davis, S. F., & **Kennedy, K. M.** (1999, October). Distance learning and academic dishonesty: Some data and speculations. Presented at Good Morning Discussion sponsored by the Office of Graduate Studies and Research, Emporia, KS.

**Kennedy, K. M.,** Nowak, S., Sundaram, R., Thomas, J., & Davis, S. F. (1999, August). Academic dishonesty and distance learning: Student and faculty views. Poster presented at the annual meeting of the American Psychological Association, Boston, MA.

**Kennedy, K. M.**, Sundaram, R., Nowak, S., Thomas, J., & Davis, S. F. (1999, April). Academic dishonesty and distance learning. Poster presented at the annual meeting of the Southwestern Psychological Association, Albuquerque, NM.

Rodrigue, K. M., Bleeker, M. M., & **Kennedy, K. M.** (1998, November). Religiosity and gender role ideology: How flexible are we? Paper presented at the Joint Conference of the Association for Psychological and Educational Research in Kansas and Nebraska Psychological Society, Emporia, KS.

Emerson, A. E., & **Kennedy, K. M.** (1996, April). Embarrassment as a determinant of prosocial behavior: The clumsy shopper model. Paper presented at the Tenth Annual National Conference on Undergraduate Research, Asheville, NC.

Emerson, A. E., & **Kennedy, K. M.** (1996, April). Embarrassment as a determinant of prosocial behavior: The "clumsy shopper" model. Paper presented at the Twelfth Annual Arkansas Symposium for Psychology Students, Russellville, AR.

Ellis, D. B., & **Kennedy, K. M.** (1996, April). Perceived sexual orientation and ratings of competence: Effect of homophobia, authoritarianism, self-efficacy, and self-monitoring. Paper presented at the Twelfth Annual Arkansas Symposium for Psychology Students, Russellville, AR.