Dallas Aging and Cognition Conference
2015 Program
January 25-26, 2015
The W Hotel - Dallas

Sponsored by
The Center for Vital Longevity
The University of Texas at Dallas
Welcome to the Dallas ACC!

We are delighted to welcome you to the fourth biennial Dallas Aging & Cognition Conference (DACC) sponsored by the Center for Vital Longevity at the University of Texas at Dallas. The DACC is a research conference broadly focused on the cognitive neuroscience of aging. It provides a forum for researchers to exchange their latest findings on a different focal topic every two years. A distinguished line-up of internationally recognized speakers will address two inter-related primary issues. First, how do we measure changes in brain structures and neural function as individuals age? Speakers take a fresh look at the strengths and weaknesses of longitudinal and cross-sectional designs as they relate to this question. The second major theme examines evidence for the potential neuroplasticity of the aging brain resulting from intervention projects designed to maintain, or even facilitate, cognitive function in older adults. The title of the conference is:

“Imaging the Aging Brain: Studies of Neuroplasticity and the Challenge of Longitudinal Designs.”

We welcome our guests to Dallas, and particularly thank our distinguished speakers for joining us. We also thank Provost Hobson Wildenthal for his unstinting support of the Center for Vital Longevity, including this conference, as well as our individual corporate
supporters listed at the back of this program. We all know most of the research presented would not be possible without funding from the National Institute on Aging, and we extend our gratitude on behalf of the research community. Finally, we recognize our many colleagues at the University of Texas Southwestern Medical Center who share our research goals and enrich our Center through many wonderful collaborations.

We hope you will leave the conference with new friends, inspirations and collaborations. Our CVL colleagues, Kristen Kennedy, Karen Rodrigue, Michael Rugg and Gagan Wig also wish you a terrific conference and our many thanks for joining us.

Sincerely,
Denise Park and Chandramallika Basak
Conference Co-Chairs
CONFERENCE INFORMATION

CONFERENCE WEBSITE
http://vitallongevity.utdallas.edu/events/dacc

MEETING LOCATION
The meeting is being held at the W Hotel in Dallas, in the Great Room. The poster session is being held in the foyer space outside of the Great Room.

WI-FI ACCESS
Free wi-fi access is available at the conference using the wireless network “wdallas”- pword: DACC2015

CONFERENCE SURVEY
Please complete the anonymous post-conference survey at your convenience. You will also receive the survey via email during Sunday’s lunch.

PRESENTATIONS

LENGTH OF TALKS
Each talk is 20 minutes, followed by five minutes of questions. The moderator will insist that talks end on time.

SPEAKERS: SUBMIT YOUR TALK
If you were unable to submit your talk prior to the conference, please see the AV booth in the Great Room immediately.
TEXAS BBQ ON SATURDAY NIGHT AT CVL
Please join us for a fun event and welcome dinner at the Center for Vital Longevity from 6:30 p.m. to 9:30 p.m. on Saturday, January 24. All conference attendees are invited. Cowboy and cowgirl attire welcome, but not required! Transportation will be provided between the W Hotel and the Center. Taxi vans will leave the W Hotel regularly between 6:00 pm and 7:30 pm and return from the Center regularly between 7:30 pm and 10:00 pm.

BREAKFAST AND LUNCH
A continental breakfast and hot lunch are provided for all registered attendees on both Sunday, January 25 and Monday, January 26.

MEALS

B-22: The Physiologic Basis of Age-Related Changes in Processing Efficiency: fMRI and EEG Evidence. Monroe Turner
1, Joanna Hutchison1,2, Nicholas Hubbard1, Hanzhang Lu2, Bart Rypma1,2
1 University of Texas at Dallas, 2 University of Texas Southwestern Medical Center

MONDAY POSTER SESSION II
Welcome
8:15 am
*Denise C. Park, Ph.D. & Chandramallika Basak, Ph.D.*
Center for Vital Longevity, University of Texas at Dallas.

**SUNDAY: EVOLVING ISSUES IN LONGITUDINAL METHODS**

**Moderator:** Chandramallika Basak, Ph.D. Center for Vital Longevity, University of Texas at Dallas.

8:30 am
*Lars Nyberg, Ph.D., Department of Radiation Sciences, Umeå University, Umeå, Sweden.*
A paradox of neural signals associated with long-term memory in cross-sectional and longitudinal designs.

8:55 am
*Michael Rugg, Ph.D., Center for Vital Longevity, UT Dallas.*
Strategies for interpreting cross-sectional fMRI studies of aging.

9:20 am
*Martin Sliwinski, Ph.D., Center for Healthy Aging, Penn State University.*
Measurement burst designs for enhancing longitudinal methods.

9:45 am
*Rik Henson, Ph.D., Cognition and Brain Sciences Unit, University of Cambridge, United Kingdom.*
Combining MRI, fMRI and MEG to study neural bases of age-related changes in cognition: evidence from the CamCAN project.
10:10-10:30 am – Break

**Moderator** – Karen Rodrigue, Ph.D. Center for Vital Longevity, University of Texas at Dallas.

10:30 am
**Sherry Willis, Ph.D., Department of Psychiatry and Behavioral Sciences, University of Washington.**
The Seattle Longitudinal Study: Association of long term cognitive trajectories with neural change.

10:55 am
**Martin Lövdén, Ph.D., Aging Research Center, The Karolinska Institute, Sweden.**
The devil is in the dynamics: The time-course of training-related brain changes as a window into mechanisms of plasticity in adulthood.

11:20 am
**Chandramallika Basak, Ph.D., Center for Vital Longevity, UT Dallas.**
Playing for keeps: The aging brain on video games.

11:45 pm
**Emrah Düzel, M.D., Ph.D., The University Hospital Magdeburg and the Institute of Cognitive Neuroscience, University College, London**
Exercise and virtual reality.
SUNDAY: FUNDING FOR RESEARCH ON THE COGNITIVE NEUROSCIENCE OF AGING

**Moderator** – *Denise C. Park, Ph.D.* Center for Vital Longevity, University of Texas at Dallas.

12:10 pm
*Alumit Ishai*, Ph.D., Program Director, Division of Behavioral and Cognitive Sciences, National Science Foundation.

12:30 pm
*Jonathan King*, Ph.D., Program Director, Division of Behavioral and Social Research, National Institute of Aging.

12:50 pm
**Q & A**

BUFFET LUNCH AND POSTER SESSION I

SUNDAY: CROSS SECTIONAL VS. LONGITUDINAL DESIGNS: BIGGEST PROBLEMS AND BEST PRACTICES

**Moderator** – *Gérard Bischof, Ph.D.* Center for Vital Longevity, University of Texas at Dallas.

2:30 pm
*Ulman Lindenberger, Ph.D.*, Center for Lifespan Psychology, Max Planck Institute for Human Development, Berlin, Germany.
Cognitive aging from a lifespan perspective: conceptual and methodological challenges.
2:55 pm  
Chris Hertzog, Ph.D., School of Psychology, Georgia Tech.  
Longitudinal versus cross-sectional mediation models: pitfalls and prospects.

3:20 pm  
Naftali Raz, Ph.D., Gerontology Center, Wayne State University.  
Understanding temporal relationships between the everchanging brain and cognition: We do time windows.

3:45 pm  
Gagan Wig, Ph.D., Center for Vital Longevity, UT Dallas.  
Cross-sectional differences in brain network segregation across the healthy adult lifespan.

4:10 pm  
William Jagust, M.D., Ph.D., University of California, Berkeley.  
The borderland of brain aging and Alzheimer’s disease.
8:30 - 9:30 am Breakfast and Poster Session II
Posters can be viewed throughout breakfast in the area outside the Great Room.

COGNITION IN EVERYDAY LIFE

Moderator – Ian McDonough, Ph.D., Center for Vital Longevity, University of Texas at Dallas.

9:30 am
Denise C. Park, Ph.D., Center for Vital Longevity, UT Dallas.
The Synapse Project: mental effort as a mechanism of cognitive and neural change.

9:55 am
Michelle Carlson, Ph.D., Center on Aging and Health, Johns Hopkins University.
Experience Corps – how helping others helps the mind.

10:20 am
Yi-Yuan Tang, Ph.D., Department of Psychological Sciences, Texas Tech University.
Mindfulness meditation improves cognitive functioning and neuroplasticity in an aging population.

10:45 am
Simone Kühn, Ph.D., Center for Lifespan Psychology, Max Planck Institute for Human Development, Berlin, Germany.
Day-to-day variability of different MRI measures.

11:20 - 11:40 am – Break
MONDAY : MOVING FORWARD: BIGGEST BARRIERS; GREATEST HOPES

**Moderator** – *Rachael Elward, Ph.D.*, Center for Vital Longevity, University of Texas at Dallas.

11:10 am

*Patricia Reuter-Lorenz, Ph.D., Department of Psychology, University of Michigan.*
Brain aging – looking back and looking forward.

11:35 pm

*Kristen Kennedy, Ph.D., Center for Vital Longevity, UT Dallas.*
The Sciences of Cognitive Aging and Cognitive Neuroscience: a call for integration.

12:00 pm

*Michael Rugg, Ph.D., Center for Vital Longevity, UT Dallas.*
Closing remarks.

**BUFFET LUNCH AND CONTINUATION OF POSTER SESSION II**
A-1: **Domain-specific precision of recognition memory in the medial temporal lobe.**
D. Berron\textsuperscript{1,2}, A. Maass\textsuperscript{1,2}, K. Neumann\textsuperscript{2}, H. Schütze\textsuperscript{1}, K. Fliessbach\textsuperscript{5}, V. Kiven\textsuperscript{5}, M. Sauvage\textsuperscript{3}, D. Kumaran\textsuperscript{4}, E. Düzel\textsuperscript{1,2,4}.

\textsuperscript{1}Institute of Cognitive Neurology and Dementia Research, Otto von Guericke University Magdeburg, Germany, \textsuperscript{2}German Center for Neurodegenerative Diseases Magdeburg, Germany, \textsuperscript{3}Functional Architecture of Memory Unit, Mercator Research Group, Faculty of Medicine, Ruhr University Bochum, Germany, \textsuperscript{4}Institute of Cognitive Neuroscience, University College London, United Kingdom, \textsuperscript{5}German Center for Neurodegenerative Diseases, Bonn, Germany.

A-2: **Structural integrity of the striatum predicts long-term memory bias for emotionally negative versus neutral stimuli in aging.**
M.T.J. Betts\textsuperscript{1}, A. Maass\textsuperscript{2}, J. Acosta-Cabronero\textsuperscript{1}, E. Düzel\textsuperscript{1,2}.

\textsuperscript{1}German Center for Neurodegenerative Diseases (DZNE), D-39120 Magdeburg, Germany, \textsuperscript{2}Otto von Guericke University Magdeburg, Institute of Cognitive Neurology and Dementia Research, D-39120 Magdeburg, Germany.
A-3: *Interplay between brain structure, physical activity, fitness and cognitive functioning in old age.*
*University of Illinois.*

A-4: *Effects of age and spacing on learning a working memory task.*
Rebecca Rhodes, Benjamin Katz.
*University of Michigan.*

A-5: *The relationships between age, negative subsequent memory effects and task-negative effects during associative memory encoding.*
M. de Chastelaine\(^1\), J.T. Mattson\(^2\), T. H. Wang\(^1\), B. Donley\(^1\), M.D. Rugg\(^1\).
\(^1\)Center for Vital Longevity and Department of Behavioral and Brain Sciences, University of Texas at Dallas,
\(^2\)University of Texas Southwestern Medical Center.

A-6: *Cognitive predictors of everyday functioning across the lifespan.*
X. Chen\(^1\), D.C. Park\(^1,2\).
\(^1\)Center for Vital Longevity, School of Behavioral and Brain Sciences, University of Texas at Dallas, \(^2\)Department of Psychiatry, University of Texas Southwestern Medical Center.
SUNDAY POSTER SESSION I

A-7: *Increase in iron content predicts shrinkage of the striatum and changes in verbal working memory in healthy adults.*

A. Daughtry¹, E.M. Haacke², N. Raz¹.
¹Institute of Gerontology and Department of Psychology, Wayne State University, ²Departments of Radiology and Biomedical Engineering, Wayne State University.

A-8: *White matter integrity relates to word finding failures and resolutions.*

M.A. Johnson¹, D.M. Burke², M.T. Diaz³.
¹University of California Los Angeles, ²Pomona College, ³Pennsylvania State University.

A-9: *Multiple brain markers are linked to age-related variation in cognition.*

T. Hedden¹,⁵, A.P. Schultz¹,²,³, A. Rieckmann¹,⁸, E. C. Mormino², K.A. Johnson²,⁴,⁵,⁶, R. A. Sperling¹,²,³,⁶, R. L. Buckner¹,³,⁵,⁷.
¹A.A. Martinos Center for Biomedical Imaging, Dept. of Radiology, Massachusetts General Hospital, ²Dept. of Neurology, ³Department of Psychiatry, ⁴Division of Nuclear Medicine and Molecular Imaging, ⁵Dept. of Radiology, Massachusetts General Hospital, Harvard Medical School, ⁶Center for Alzheimer Research and Treatment, Dept. of Neurology, Brigham and Women's Hospital, Harvard Medical School, ⁷Dept. of Psychology and Center for Brain Science, Harvard University, ⁸Dept. of Radiation Sciences, Umeå University, Sweden.


Margaret O'Connell, Chandramallika Basak.
Center for Vital Longevity, University of Texas at Dallas.

A-19: *Cortical regions are associated with risk of clinical symptom onset during preclinical Alzheimer's disease.*

Corinne Pettigrew¹, Anja Soldan¹, Yi Lu², Mei-Cheng Wang², Timothy Brown³, Ola Selnes¹, Susumu Mori¹, Laurent Younes³, J. Tilak Ratnanather³, Michael I. Miller³, Marilyn Albert ¹.
¹Johns Hopkins School of Medicine, ²Johns Hopkins Bloomberg School of Public Health, ³Johns Hopkins University Center for Imaging Science.

A-20: *Age-related differences in task load, response compatibility and selective attention in task switching: An fMRI study.*

Kaoru Nashiro, Shuo Qin, Xi Chen, Margaret A. O'Connell, Chandramallika Basak.
Center for Vital Longevity, University of Texas at Dallas.
A-10: *Age-related differences in event-related functional connectivity during associative encoding.*
*Center for Vital Longevity, Dept. of Behavioral and Brain Sciences, University of Texas at Dallas.*

A-11: *Associations among changes in leisure activity, white matter microstructure and perceptual speed change in very old age.*
Y. Köhncke¹, E.J. Laukka¹, Y. Brehmer¹ ², L. Fratiglioni¹, L. Bäckman¹, M. Lövdén¹ ².
¹Aging Research Center, Karolinska Institute and Stockholm University, Stockholm, Sweden, ²Center for Lifespan Psychology, Max Planck Institute for Human Development, Berlin, Germany.

A-12: *Default mode and task positive subnetworks across age.*
Kriegsman, M.A.¹, Kovacevic, N.², McIntosh, A.R.², Grady, C.², & Abdi, H¹.
¹University of Texas at Dallas, ²Rotman Research Institute, Baycrest, Toronto, Ontario, Canada.

A-13: *Don’t pay attention! Paradoxical effects of monetary incentive on attentional performance in older adults.*
Ziyong Lin, Cindy Lustig. *University of Michigan.*
A-14: Neural plasticity following pregnancy: First results of the MotherBrain study.
Nina Lisofsky, Ulman Lindenberger, Simone Kühn, Max Planck Institute for Human Development, Berlin, Germany.

S. Lockhart¹, J. Vogel¹, D. Schonhaut¹,², S. Baker³, H. Schwimmer¹,³, M. Schöll¹, R. Ossenkoppele¹,², G. Rabinovici¹,²,³, W. Jagust¹,²,³.
¹Helen Wills Neuroscience Institute, University of California Berkeley, ²Memory and Aging Center, University of California San Francisco, ³Life Sciences Division, Lawrence Berkeley National Laboratory.

A-16: Lifelong changes in the auditory cortex for voice perception.
Zhang Jingting¹, Fraser W. Smith², Bruno L. Giordano¹, Marie-Hélène Grosbras¹, Guillaume A. Rousselet¹, and Pascal Belin¹.
¹Institute of Neuroscience and Psychology, University of Glasgow, Glasgow, United Kingdom, ²School of Psychology, University of East Anglia, Norwich, United Kingdom.

A-17: Dopamine and memory dedifferentiation in aging.
H. Ahmad¹, P.C. Fletcher²,³, E. Bullmore²,³,⁴, A.M. Morcom⁵.
¹Neurosciences, University of Edinburgh, ²Brain Mapping Unit, Department of Psychiatry, and Behavioural and
A-18: **Testing a hierarchical model of working memory: Influence of age and long-term memory on verbal memory updating.**
Margaret O'Connell, Chandramallika Basak.
*Center for Vital Longevity, University of Texas at Dallas.*

A-19: **Cortical regions are associated with risk of clinical symptom onset during preclinical Alzheimer’s disease.**
Corinne Pettigrew¹, Anja Soldan¹, Yi Lu², Mei-Cheng Wang², Timothy Brown³, Ola Selnes¹, Susumu Mori¹, Laurent Younes³, J. Tilak Ratnanather³, Michael I. Miller³, Marilyn Albert ¹.
¹Johns Hopkins School of Medicine, ²Johns Hopkins Bloomberg School of Public Health, ³Johns Hopkins University Center for Imaging Science.

A-20: **Age-related differences in task load, response compatibility and selective attention in task switching: An fMRI study.**
Kaoru Nashiro, Shuo Qin, Xi Chen, Margaret A. O'Connell, Chandramallika Basak.
*Center for Vital Longevity, University of Texas at Dallas.*
A-21: *Fornix microstructure and episodic Memory.*
Jonathan Siegel¹, Marianne de Chastelaine¹, Julia Mattson², Tracy Wang¹, Brian Donley¹, Kristen M. Kennedy¹, Michael D. Rugg¹.
¹Center for Vital Longevity, School of Behavioral and Brain Sciences, University of Texas at Dallas, ²Univ. of Texas Southwestern Medical Center.

A-22: *Aging of executive functions is associated with thickness of regional prefrontal and parietal cortex.*
Elizabeth D. Reese, Asha K. Unni, Kristen M. Kennedy, Karen M. Rodrigue.
Center for Vital Longevity, School of Behavioral and Brain Sciences, University of Texas at Dallas.

A-23: *Age-dependent effect of cortical amyloid-beta deposition on hippocampal activity in cognitively normal adults.*
Zhuang Song, Denise C. Park.
Center for Vital Longevity, School of Behavioral and Brain Sciences, University of Texas at Dallas.

Kristen M. Kennedy, Asha K. Unni, David A. Hoagey, Karen M. Rodrigue

*Center for Vital Longevity, School of Behavioral and Brain Sciences, University of Texas at Dallas.*
MONDAY POSTER SESSION II

Posters can be viewed throughout lunch outside the Great Room.

B-1: *White matter integrity predicts age-related differences in neural specificity in the ventral visual pathway.*

B-2: *Accelerated decline of white matter integrity in clinically normal individuals at risk for Alzheimer’s disease.*
A. Rieckmann$^{1,2}$, T. Hedden$^{1,3}$, R. Sperling$^{1,4}$, R. Buckner$^{1,3,5}$.
$^1$Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital, $^2$Department of Radiation Sciences, Diagnostic Radiology, Umeå University, $^3$Department of Radiology, Massachusetts General Hospital $^4$Center for Alzheimer Research and Treatment, Brigham and Women’s Hospital $^5$Department of Psychology and Center for Brain Science, Harvard University.

B-3: *Behavioral pattern separation in aging and individuals at risk for mild cognitive impairment.*
Anja Soldan$^1$, Corinne Pettigrew$^1$, Michael Yassa$^2$, Marilyn Albert$^1$.
$^1$Department of Neurology, Johns Hopkins University School of Medicine, $^2$Department of Neurobiology and Behavior, University of California, Irvine.
MONDAY POSTER SESSION II

B-4: *Relation between cortical thickness and cognitive performance as a function of age and intra-scan motion.*
Brian E. Donley, Sudesna Chakraborty, Marianne de Chastelaine, Kristen M. Kennedy, Michael D. Rugg. 
*Center for Vital Longevity, Department of Behavioral and Brain Sciences, University of Texas at Dallas.*

B-5: *Hippocampal and episodic memory development across the human lifespan.*
S Pudas¹,², A Lundquist¹,², G Samrani³, C. Nymberg⁴, T. Klingberg⁴, L-G. Nilsson²,³, L. Nyberg¹,². 
¹Umeå University, ²Umeå center for Functional Brain Imaging, ³Aging Research Center at Karolinska Institute and Stockholm University, ⁴Karolinska Institute.

B-6: *Brain plasticity: Temporal dynamics of training-induced gray matter alterations.*
Elisabeth Wenger¹, Simone Kühn¹, Julius Verrel¹, Johan Mårtensson², Nils Bodammer¹, Ulman Lindenberger¹, Martin Lövdén¹,³. 
¹Max Planck Institute for Human Development, Berlin, Germany, ²Lund University, Sweden, ³Karolinska Institute and Stockholm University, Stockholm, Sweden.

B-7: *Decreased segregation of brain systems across the healthy adult lifespan.*
M.Y. Chan¹, D.C. Park¹, N.K. Savalia¹, S.E. Petersen², G.S. Wig¹. 
¹Center for Vital Longevity, University of Texas at Dallas, ²Neurology, Washington University School of Medicine.
B-8: **Differential patterns of cortical thickness in individuals with elevated beta-amyloid across the adult lifespan.**
Gérard N. Bischof¹, Kristen M. Kennedy¹, Ian McDonough¹, Karen M. Rodrigue¹, Jenny Rieck¹, Michael D. Devous, Sr.¹,², Denise C. Park¹.
¹Center for Vital Longevity, University of Texas at Dallas, ²Department of Neurology, University of Texas Southwestern Medical Center.

B-9: **Frontal and temporal amyloid deposition in middle adulthood: The predictive value of APOE4 and lifetime cognitive engagement.**
Michelle E. Farrell¹, Gérard N. Bischof¹, Kristen M. Kennedy¹, Karen M. Rodrigue¹, Michael D. Devous², Sr., ¹Denise C. Park
¹Center for Vital Longevity, University of Texas at Dallas ²Avid Radiopharmaceuticals.

B-10: **Dynamics of functional connectivity in the healthy aging brain.**
Linda Geerligs¹,², Cam-CAN², Richard N.A. Henson¹,²
¹MRC Cognition and Brain Sciences Unit, Cambridge UK, ²Cambridge Centre for Ageing and Neuroscience (Cam-CAN), University of Cambridge and MRC Cognition and Brain Sciences Unit, Cambridge, United Kingdom.
MONDAY POSTER SESSION II

B-11: Age-related changes in correlations between recollection accuracy and recollection-related increases in functional connectivity.
Danielle R. King\textsuperscript{1}, Marianne de Chastelaine\textsuperscript{1}, Michael D. Rugg\textsuperscript{1,2}.
\textsuperscript{1}Center for Vital Longevity, University of Texas at Dallas
\textsuperscript{2}University of Texas Southwestern Medical Center.

B-12: Vascular plasticity after aerobic exercise in old age.
A. Maass\textsuperscript{1,2}, S. Düzel\textsuperscript{3}, M. Goerke\textsuperscript{2}, A. Becke\textsuperscript{2}, U. Sobieray\textsuperscript{2}, K. Neumann\textsuperscript{2}, H.-J. Heinze\textsuperscript{2,3,4}, T. Brigadski\textsuperscript{3}, N.G. Müller\textsuperscript{2,3}, Emrah Düzel\textsuperscript{1,2,3}.
\textsuperscript{1}Institute of Cognitive Neurology and Dementia Research, Otto-von-Guericke University Magdeburg, Magdeburg, Germany, \textsuperscript{2}German Center for Neurodegenerative Diseases (DZNE), Site Magdeburg, Germany, \textsuperscript{3}Medical Faculty, Otto-von-Guericke University, Magdeburg, Germany, \textsuperscript{4}Leibniz Institute for Neurobiology, Magdeburg, Germany.

B-13: Structural correlates of cognitive ability differ across the adult lifespan.
Ian McDonough, Gérard Bischof, and Denise C. Park
Center for Vital Longevity, University of Texas at Dallas.
B-14: *Effects of value on rule-based and information-integration category learning across the lifespan.* Veronica X. Yan¹, Sharon M. Noh², Alan D. Castel¹, & W. Todd Maddox². ¹Univ. of California, Los Angeles, ²Univ. of Texas, Austin


B-16: *Default mode connectivity changes in cognitive decline.* Lori L. Beason-Held¹, Timothy J. Hohman², Vijay Venkatraman¹, Yang An¹, Susan M. Resnick¹ ¹Laboratory of Behavioral Neuroscience, National Institute on Aging, National Insitutes of Health, ²Vanderbilt Memory and Alzheimer’s Center, Vanderbilt University Medical Center.

B-17: *Exploratory Decision-Making as a Function of Lifelong Experience.* Nathaniel Blanco¹, Brad Love², Michael Ramscar³, Ross Otto⁴, Kirsten Smayda¹, Todd Maddox¹ ¹University of Texas at Austin, ²University College London, ³University of Tubingen, ⁴New York University.
MONDAY POSTER SESSION II

B-18: *Integrating multiple behavioral and connectivity data tables: an application of (K+1) STATIS.*
C. Chin Fatt, D. Beaton, H. Abdi.
*University of Texas at Dallas.*

B-19: *Framing Effects Interact with Age in Exploratory Decision-Making.*
J.A. Cooper¹, V. Sapuram¹, D.A. Worthy², & W.T. Maddox¹
¹University of Texas at Austin, ²Texas A&M University.

B-20: *Age-related decrease in regional white matter integrity predicts reduced neural modulation to task processing demands.*
Kristen M. Kennedy, Jennifer R. Rieck, Patrick Evans, Denise C. Park
*Center for Vital Longevity, School of Behavioral and Brain Sciences, University of Texas at Dallas.*

B-21: *Optimal schedules for rule-based and information-integration category learning across the lifespan.*
Sharon M. Noh¹, Veronica X. Yan², Robert A. Bjork², W. Todd Maddox¹
¹University of Texas at Austin, ²University of California, Los Angeles.
Monroe Turner¹, Joanna Hutchison¹,², Nicholas Hubbard¹, Hanzhang Lu², Bart Rypma¹,²
¹University of Texas at Dallas, ²University of Texas Southwestern Medical Center
The Center for Vital Longevity thanks Blue Cross and Blue Shield of Texas and Belmont Village, Senior Living, for their contributions to the 4th biennial Dallas Aging & Cognition Conference.
Notes
Welcome to the Dallas ACC!

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