The CVL is home to scientists studying the cognitive neuroscience of aging and ways to maintain cognitive health for life. Founded in 2010, researchers at the Center are addressing numerous issues relevant to cognitive aging. These include the early detection of age-related neurodegenerative disorders such as Alzheimer’s Disease, how to slow age-related cognitive decline, and basic research on the cognitive neuroscience of memory and other cognitive functions.

Parking at the Center is free. There are two places to park — the top deck on the first level is uncovered and has a limited number of spaces. P2 is covered and offers many more spaces. This lot is gated, however, the gate arms are up for the Symposium. No keycard access required. If you have any questions, please call (972) 883-3200.

About the Center for Vital Longevity (CVL)

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“Linking Brain Structure and Function to Cognition”

The 2016 Center for Vital Longevity Science Symposium

PROGRAM

Friday, Feb. 19, 2016, 12 p.m. - 4 p.m.

With keynote by Dr. Naftali Raz,
Director of Lifespan Cognitive Neuroscience
Wayne State University
**Speaker Biographies**

**Naftali Raz, Ph.D.**
Naftali Raz is the Director of Lifespan Cognitive Neuroscience at Wayne State University. Dr. Raz completed his undergraduate studies at Hebrew University in Jerusalem, Israel, in 1979. He was trained in psychology and human neuroscience at the University of Texas at Austin, and received his Ph.D. in 1985. Dr. Raz’s research focuses on the neural correlates and modifiers of cognitive aging. The main themes in Dr. Raz’s current research are differential aging of brain structure and the cognitive consequences of structural brain aging.

**Elena Ivleva, M.D., Ph.D.**
Elena Ivleva is an assistant professor in the Department of Psychiatry at the University of Texas Southwestern Medical Center. Dr. Ivleva’s work is focused on understanding neurobiology of schizophrenia and related psychotic disorders, and developing objective, measurable, brain-based biomarkers, applicable for diagnostic algorithms and novel treatment targets in psychotic disorders. She is a recipient of the American Psychiatric Association 2011 APF/Kepmf Award for Research Development in Psychobiological Psychiatry and numerous other awards.

**Denise Park, Ph.D.**
Denise Park is the Director of Research at the Center for Vital Longevity. Her primary research focus is on understanding the neural mechanisms that account for age-related cognitive decline, and determining how enriching and cognitive demanding experiences can facilitate cognitive health, thus delaying brain aging and the onset of Alzheimer’s Disease. Dr. Park is a fellow of the American Association for the Advancement of Science, the American Psychological Society, the American Psychological Association and the Gerontological Society of America.

**Michael Rugg, Ph.D.**
Michael Rugg is the Director of the Center for Vital Longevity. A major focus of his research is on episodic memory—the type of memory that allows us to remember events that are tied to a particular place and time. His work employs the behavioral methods of experimental psychology, neuroimaging techniques including functional magnetic resonance imaging, and electrophysiological recordings of human brain activity. Dr. Rugg is a fellow of the American Association for the Advancement of Science. He is also editor-in-chief of Neuropsychologia.

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**Program**

12:00 p.m. — 12:50 p.m. **Lunch.**
Join us for Off-the-Bone Barbecue, featuring famous smoked brisket, baby back ribs, sausage, pulled pork and smoked chicken. No charge.

1:00 p.m. — 1:10 p.m. 
**Opening Remarks & Introductions**
*Dr. Karen Rodrigue,* Center for Vital Longevity, UT Dallas

1:10 p.m. — 2:10 p.m. 
**Keynote: “Structural Changes and their Relation to Cognition”**
*Dr. Naftali Raz,* Wayne State University

2:10 p.m. — 2:40 p.m. 
**“Bringing Psychosis Back to the Brain: Biotypes vs. Conventional Psychiatric Diagnoses. The Findings from the Bipolar-Schizophrenia Network on Intermediate Phenotypes (B-SNIP)”**
*Dr. Elena Ivleva,* UT Southwestern Medical Center

2:40 p.m. — 3:20 p.m. 
**“Subtle Neuropathy in Healthy Adults: Does it Predict Cognitive Decline?”**
*Dr. Denise Park,* Center for Vital Longevity, UT Dallas

3:20 p.m. — 3:50 p.m. 
**“Effects of Age and White Matter Integrity on Encoding- and Retrieval-related Functional Connectivity”**
*Dr. Michael Rugg,* Center for Vital Longevity, UT Dallas

—— PANEL DISCUSSION WITH QUESTIONS ——