

LURIA NEUROSCIENCE INSTITUTE ANNOUNCES EIGHT WEBINARS ABOUT THE BRAIN AND THE MIND:

1. Executive Functions and the Frontal Lobes
2. Executive Dysfunction in Brain Disorders
3. Dementias
4. Traumatic Brain Injury
5. Creativity and Cognition
6. Creativity and the Brain
7. Laterality and Functional Organization of the Brain
8. Laterality and Brain Dysfunction

3 CE credits are being offered for each of the webinars for most mental health professions (more information can be found on www.lninstitute.org). A separate CE credits processing fee charged by CE credit sponsor R. Cassidy Seminars applies.

- ✓ Our webinars are **live events** presented by **experts** in their fields.
- ✓ No special equipment or software is needed and you can even participate on **mobile devices**.

ABOUT THE INSTRUCTOR



The courses are taught by Elkhonon Goldberg, Ph.D., ABPP. Goldberg is a cognitive neuroscientist, a practicing neuropsychologist, and an educator who lectures worldwide. He is a Clinical Professor, Department of Neurology, NYU School of Medicine and a Diplomate of The American Board of Professional Psychology in Clinical Neuropsychology.

Goldberg authored research papers on cortical organization, hemispheric specialization, frontal lobes, memory, traumatic brain injury, dementias, schizophrenia, and other topics. Goldberg's books *The Executive Brain* (2001), *The Wisdom Paradox* (2005), and *The New Executive Brain* (2009) have been translated into 16 languages. He coauthored *The SharpBrains Guide to Cognitive Fitness* (2013) and is the Chief Scientific Adviser of www.sharpbrains.com. Goldberg is a recipient of The Copernicus Prize for "contributions to interdisciplinary dialogue between neurosciences and neuropsychology," and The Tempos Hominis medal "for international medical sciences education." He is a foreign member of The Venetian Institute of Science, Literature and Arts. Elkhonon Goldberg was a close associate of Alexander Luria.

Executive Functions in Health and Disease

Webinar 1: Executive Functions and the Frontal Lobes

CE credits: 3 for a 3 hours long event.

Date: October 17, 2017.

Time: 1pm - 4pm EST (12pm - 3pm CST / 10am - 1pm PST).

Fee: \$145 for a 3 hours long webinar.

Topics to be covered:

1. Executive functions and frontal-lobe functions: are they the same?
2. Components of executive functions (planning, impulse control, working memory, and others).
3. Novel approaches to understanding the frontal-lobe functions.
4. Frontal lobes and large-scale networks (Central Executive, Default Mode, and others).
5. Executive functions and laterality.
6. Executive functions and sex differences.
7. Regulation of emotions: frontal lobes and amygdala.
8. Executive functions and intelligence.
9. Executive functions in development and aging.

Webinar 2: Executive Dysfunction in Brain Disorders

CE credits: 3 for a 3 hours long event.

Date: October 24, 2017.

Time: 1pm - 4pm EST (12pm - 3pm CST / 10am - 1pm PST).

Fee: \$145 for a 3 hours long webinar.

Topics to be covered:

1. Executive dysfunction in dementias (Alzheimer's disease, Lewy body dementia, Fronto-temporal dementia).
2. Executive dysfunction in traumatic brain injury (reticulo-frontal disconnection syndrome).
3. Executive dysfunction in cerebrovascular disorders (CVA, aneurisms).
4. Executive dysfunction in neurodevelopmental disorders (ADHD, Tourette's Syndrome).
5. Executive dysfunction in neuropsychiatric disorders (schizophrenia, affective disorders).
6. Executive dysfunction in movement disorders (Parkinson's disease, Huntington's disease).
7. Executive dysfunction in infectious encephalopathies.
8. Executive dysfunction and seizure disorders.
9. Executive dysfunction and laterality.

Neurocognitive Disorders

Webinar 3: Dementias

CE credits: 3 for a 3 hours long event.

Date: October 31, 2017.

Time: 1pm - 4pm EST (12pm - 3pm CST / 10am - 1pm PST).

Fee: \$145 for a 3 hours long webinar.

Topics to be covered:

1. Epidemiology and demographics of dementias.
2. Alzheimer's disease: neurobiology, epidemiology, natural history, neurocognitive characteristics, and diagnosis.
3. Lewy body dementia and Parkinson's disease.
4. Fronto-temporal dementia and Korsakoff's syndrome.
5. Mild Cognitive Impairment and its relationship to dementias. Diagnosis, differential diagnosis, and misdiagnosis.
6. Memory impairment in dementias and the fallacy of old diagnostic criteria. Executive impairment in dementias: still underrecognized.
7. Arousal impairment in dementias. Changes in the epidemiology of dementias and possible causes behind them.
8. Cognitive aging: its characteristics, protective factors, and risk factors. Cognitive enhancement and surrounding controversies.

Webinar 4: Traumatic Brain Injury

CE credits: 3 for a 3 hours long event.

Date: November 7, 2017.

Time: 1pm - 4pm EST (12pm - 3pm CST / 10am - 1pm PST).

Fee: \$145 for a 3 hours long webinar.

Topics to be covered:

1. Epidemiology of traumatic brain injury (TBI). Types of TBI: closed, open (penetrating and perforating), blast. Severity and criteria of TBI: mild, moderate, severe.
2. Causes and mechanisms of TBI.
3. Focal vs. diffuse components of TBI. Neuroanatomical structures most vulnerable in TBI. Natural course of TBI and the multiple forms it may take.
4. Secondary complications in TBI. Cognitive consequences of TBI.
5. Executive deficit in traumatic brain injury (TBI).
6. Memory impairment in TBI: anterograde and retrograde amnesia. TBI in sports and Chronic Traumatic Encephalopathy.
7. Military TBI. Forensic issues in TBI.

Creativity, Cognition and the Brain

Webinar 5: Creativity and Cognition

CE credits: 3 for a 3 hours long event.

Date: November 14, 2017.

Time: 1pm - 4pm EST (12pm - 3pm CST / 10am - 1pm PST).

Fee: \$145 for a 3 hours long webinar.

Topics to be covered:

1. Creativity and society. Innovator vs consumer.
2. Creativity deconstructed. Building blocks of creativity.
3. Innovation, salience, and how they interact in the creative process.
4. Creativity and intelligence. Are they linked and when do they become uncoupled?
5. Creativity and psychopathology: Affective disorders, FTD, and other conditions.
6. Enhancing creativity? Creativity as the new focus of educational process.
7. Evolutionary roots of creativity. Defining and studying creativity in other species.
8. Creativity and artificial intelligence.

Webinar 6: Creativity and the Brain

CE credits: 3 for a 3 hours long event.

Date: November 28, 2017.

Time: 1pm - 4pm EST (12pm - 3pm CST / 10am - 1pm PST).

Fee: \$145 for a 3 hours long webinar.

Topics to be covered:

1. Facts and fads of creativity. No single locus in the brain.
2. Creativity, novelty, and the right hemisphere.
3. Salience, decision making, and the frontal lobes.
4. "Standing on the shoulders of giants" and the left hemisphere.
5. Perspiration and inspiration: hyperfrontality and hypofrontality.
6. Creativity and the genes: candidate genes and whole genome.
7. Group creativity: How different brains can work better together.

Laterality in Health and Disease

Webinar 7: Laterality and Functional Organization of the Brain

CE credits: 3 for a 3 hours long event.

Date: December 5, 2017.

Time: 1pm - 4pm EST (12pm - 3pm CST / 10am - 1pm PST).

Fee: \$145 for a 3 hours long webinar.

Topics to be covered:

1. Where the traditional notions of hemispheric specialization got it wrong.
2. Functional laterality and brain anatomy. Laterality throughout evolution.
3. Novel approaches to hemispheric specialization.
4. How the two hemispheres develop and age.
5. Laterality and gender and handedness differences.
6. Laterality and regulation of emotions.

Webinar 8: Laterality and Brain Dysfunction

CE credits: 3 for a 3 hours long event.

Date: December 12, 2017.

Time: 1pm - 4pm EST (12pm - 3pm CST / 10am - 1pm PST).

Fee: \$145 for a 3 hours long webinar.

Topics to be covered:

1. Laterality and learning disabilities (dyslexias vs NVLD).
2. Laterality and dementias: Is fronto-temporal dementia lateralized?
3. Laterality and striatal disorders (Parkinson's disease and Tourette's syndrome).
4. Major cerebrovascular disorders and cerebral hemispheres.
5. Laterality and neuropsychiatric disorders: Schizophrenia and the left hemisphere.
6. Laterality and differential functional breakdown threshold.

To register online or for more information visit linstitute.org

The Luria Neuroscience Institute is offering a wide range of educational programs about the brain, cognition and neurocognitive disorders in various formats. The topics are include dementias, traumatic brain injury, neurodevelopmental and neuropsychiatric disorders, and other topics of interest to mental health professionals.

We are offering both webinars and day-long workshops. Our previous programs have attracted psychologists, psychiatrists, and educators. We always welcome your feedback and suggestions about future topics. Please continue to visit our website for updates.

To register online or for more information visit linstitute.org

Fax / Mail Registration Form 2017

- EXECUTIVE FUNCTIONS IN HEALTH AND DISEASE
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 WEBINAR 3 WEBINAR 4
 CREATIVITY, COGNITION AND THE BRAIN
 WEBINAR 5 WEBINAR 6
 LATERALITY IN HEALTH AND DISEASE
 WEBINAR 7 WEBINAR 8

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Grievances: If a participant is not satisfied with the program and explains why, a full refund will be issued upon request made within 30 days of registration.