About

LURIA NEUROSCIENCE INSTITUTE ANNOUNCES WEBINAR SERIES ABOUT THE BRAIN AND THE MIND

The webinars are presented by Elkhonon Goldberg, Ph.D., ABPP., a clinical neuropsychologist and cognitive neuroscientist, and Diplomate of The American Board of Professional Psychology in Clinical Neuropsychology. His critically acclaimed and bestselling books have been translated into 24 languages.

Time: 10am–1pm Eastern Time USA, 16:00-19:00 Central European Time (CET)

Dates: February - March 2024.

Fee: Professional: $165. Limited time offer for students: $90.

3 APA CE Credits will be awarded by CE credit sponsor to licensed professionals. For the international attendees: a certificate of webinar completion can be issued upon request and sent by email in PDF format.

ABOUT THE INSTRUCTOR

The webinars will feature Elkhonon Goldberg, Ph.D., ABPP., a clinical neuropsychologist and cognitive neuroscientist, and Diplomate of The American Board of Professional Psychology in Clinical Neuropsychology.

Elkhonon Goldberg, Ph.D., ABPP authored numerous research papers on functional cortical organization, hemispheric specialization, frontal lobe functions and dysfunction, memory and amnesias, traumatic brain injury, dementias, and schizophrenia. Goldberg's books The Executive Brain (2001), The Wisdom Paradox (2005), and The New Executive Brain (2009) have met with international acclaim. He coauthored The SharpBrains Guide to Cognitive Fitness (2013). A sought-after educator, he has lectured worldwide. Elkhonon Goldberg was a student and close associate of the great neuropsychologist Alexander Luria.

Dr. Goldberg's more recent books are:

1. **Creativity: The Human Brain in the Age of Innovation** (Oxford University Press, 2018)

2. **Executive Functions in Health and Disease** (Academic Press, 2017)

Webinars

Executive Functions and the Frontal Lobes

February 3 (Saturday), 2024

Executive functions represent the highest level of cognitive contro, goal formation, planning, mental flexibility, impulse control, and working memory. They are mediated by the prefrontal cortex and related structures. We will examine their cognitive composition, neural mechanisms, lifespan changes, and gender differences; as well as the role of executive functions in creativity and intelligence.

Memory and Memory Impairments

February 10 (Saturday), 2024

Memory is among the most important cognitive functions, and memory impairment is among the most common and most catastrophic consequences of neurological and psychiatric conditions. In this webinar we will review the basic neurobiology of memory and various forms of memory in normal cognition, including associative memory and working memory. We will then review various amnestic syndromes, e.g. anterograde and retrograde amnesias; and types of memory impairments across a wide range of brain disorders. These include Alzheimer's disease and other dementias; Korsakoff syndrome; traumatic brain injury; temporal lobe epilepsy; viral encephalopathies including COVID-19, HIV encephalopathy, and herpes simplex encephalopathy; and other disorders, as well as usually ignored neurodevelopmental memory impairments. We will discuss memory changes in aging and efforts to protect it.

Laterality, Novelty and Functional Organization of the Brain

February 24 (Saturday), 2024

Laterality is a fundamental feature of brain organization. In this webinar we will discuss why the traditional understanding of hemispheric specialization fails to capture all its essential aspects, and will introduce a new understanding of brain laterality which permits a broader evolutionary perspective. We will review the neuroanatomical and biochemical differences between the two hemispheres; their respective (and changing) roles in cognition across the lifespan; examine gender and handedness differences in laterality; as well as the relationship between hemispheric specialization and emotions. We will also review the nature of hemispheric specialization across species throughout evolution.

Webinars

Aging and Dementias

March 2 (Saturday), 2024

Dementias are among the most prevalent neurocognitive disorders presenting a unique set of clinical and societal challenges. In this webinar we will review several major types of dementia, including Alzheimer's disease, Lewy body dementia and its relationship to Parkinson's disease, frontotemporal dementia, vascular dementia, and others. For each of these disorders we will discuss the underlying neurobiology, epidemiology, natural history, diagnosis, and cognitive characteristics. We will also discuss cognitive aging, as well as both protective and risk factors associated with it.

Traumatic Brain Injury

March 9 (Saturday), 2024

Traumatic Brain Injury (TBI) is a highly prevalent condition sometimes referred to as a "silent epidemic." In this webinar we will review various types of TBI (closed, open, blast); various causes and unique characteristics of motor vehicle accidents, workplace-related, military and sports TBI; various mechanisms of TBI (diffuse axonal injury, contre-coup, neurometabolic cascade); cognitive characteristics (particularly executive and memory impairment); recovery from TBI and long-term outcomes; and forensic issues commonly associated with TBI.