NURSES: Institute for Brain Potential (IBP) is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation. IBP is approved as a provider of continuing education by California Board of Registered Nursing, Provider #CEP13896, and Florida Board of Nursing. This program provides 6 contact hours.

PHYSICIAN’S ASSOCIATES/PHARMACISTS & THEIR ASSOCIATES: IBP is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. The live seminar and webcast are knowledge-based activities with UAN0000-016-14514-T and UAN0000-016-14515-T. This program provides 6 CE hours. LIFELONG CONSEQUENCES and How to Overcome Them: one:

 physicists will be available in four convenient segments. The recording of the program from Wednesday, January 18, 2017 through Saturday, February 18, 2017. The program plus in-class exercises will be available in four convenient segments.

Valid for CE until December 20, 2019

You may listen to or view the recorded lecture at your convenience and earn home study credit. Expiration date: December 20, 2019
The Long-Term Effects of Neglect and Abuse

- **Neglect:** how underdeveloped areas of the brain such as the prefrontal cortex become impaired, and its role in affecting attention and goal-directed behavior.
- **Psychological Stress:** why poor social skills and dysfunctional relationships emerge only to stir up more uncontrollable stress.
- **Abuse:** how the risks of anxiety and depression increase; why emotional and event-related memory is compromised.

**Attachment**

- **Secure Attachment:** more than just bonding, a critical aspect of normal brain development and the development of resilience in adults.
- **Anxious Attachment:** why the infant who is anxious around his or her primary caregiver is more likely to have stress-related disorders as an adult.
- **Avoidant Attachment:** the infant who does not seem to notice when his or her caregiver leaves the room—how that affects brain organization and pathology.

How the Trauma of Parents and Grandparents Can Be Inherited

- **Maltreatment:** why adults who were severely maltreated as youngsters often have alterations in the “on and off” switches for serotonin and cortisol.
- **Cortisol and Chronic Stress:** the gene for cortisol, a key stress-related hormone, is altered by prolonged or severe childhood stress.
- **Mood Disorders and Harsh Childhood Maltreatment:** impaired expression of serotonin receptors and impulse control.

How Early Adversity Can Undermine the Immune System

- **Inflammation:** why chronic, low-grade inflammation is a common result of early adversity.
- **Weight Gain:** appetite, cortisol, inflammation, and metabolism.
- **Autoimmune Disorders:** how they can develop and complicate disorders of mood and cognition.
- **GI Health:** how gut bacteria can be out of balance and promote inflammation and leaky gut syndrome.

Self-Care and Lifestyle as Critical Foundations for Mental Health

- **Resilience:** a set of habits that can restore balance by reframing how we experience the past and imagine the future.
- **Conscientious Food Choices:** how simple carbohydrates, transfatty acids and saturated fats undermine mood and cognition.
- **Conscientious Physical Activity:** how mood elevation and cognitive enhancement follow the right types and amounts of activities that can provide endurance, strength, flexibility, and balance.
- **Sleep:** how developing sleep hygiene skills promotes a healthy brain.

Psychological Pathways to Improved Brain Function

- **Neuroplasticity:** the mental processes that can improve cognitive-enhancing habits and help regrow lost hippocampal neurons.
- **Ameliorating Anxiety:** altering the habit brain from the faster, automatic, fear-based amygdala circuit to slower, wiser prefrontal control over the amygdala.
- **Elevating Mood:** the thought habits that can lift depression and increase optimism.
- **Resolving Trauma:** how to encode brain messages that can reduce the effects of trauma.
- **Enhancing Adaptive Long-Term Memory:** acquiring thought habits that enable people to encode information in a way that improves recall of positive memories.
- **Mindful Brain:** how mindfulness-based meditation and habitual mindful states can alter the brain in ways that reduce pain and suffering, and enhance well-being and the experience of the here and now.

**ABOUT THE INSTRUCTOR**

John Arden, Ph.D. is an internationally acclaimed speaker and author of works that translate advances in the brain and behavioral sciences into terms that can be applied by health professionals to create meaningful change. He is the Chief Academic Officer for IBP. Previously as Director of Training of Mental Health Professionals of 24 medical centers in Northern California, Dr. Arden supervised over 1000 postdoctoral fellows and interns and had developed training programs that promoted behavioral medicine at Kaiser Permanente.

The author of 14 evidence-based texts, Dr. Arden is working on a 15th text that forms the basis of the lecture he will be presenting. In the last year, Dr. Arden has presented programs throughout the United States as well as invited lectures in Canada, Italy, Spain, China, Korea, New Zealand and Australia. Audiences appreciate his innovative teaching style and rare ability to humanize advances in the brain sciences with clinical wisdom, clarity, and warmth.

In addition to Q & A sessions in class, Dr. Arden will answer your questions during the second half of the lunch break and by email after the program concludes.