



Easter Seals DuPage & Fox Valley Presents...

Neural Plasticity: Foundation For Neurorehabilitation

Presented by Jeffrey Kleim, Ph.D.

- A not-to-be-missed opportunity to hear the Key Note speaker from the NDTA 2016 Annual Conference!
• Dr. Kleim applies his own research as well as others' findings to clinic-based treatment.
• Pediatric and Adult therapists with neuro specialty NEED this information for optimal practice!
• Leave with a treatment plan designed to enhance neural plasticity and improve function for a client on your caseload.

CONFERENCE DESCRIPTION

Rehabilitation strives to use neural plasticity to promote functional improvement. This course is intended to facilitate the incorporation of current principles of neural plasticity into a clinical setting. Attendees will first be introduced to the concept of neural plasticity and the behavioral signals that drive neuroplastic change within the central nervous system. Various factors that influence plasticity and recovery will be discussed, including age, genetics, and pharmacological intervention. Research studies with animal models and human subjects will shed light on ways to exploit neural plasticity in treatment. Methods for adapting rehabilitation interventions so as to maximally drive neural plasticity will be presented. Learn what current research suggests about repetition, intensity, difficulty, salience/motivation, specificity and timing of treatment interventions in neurological diagnoses from Cerebral Palsy to Stroke. Participants will have the opportunity to apply treatment concepts to clients from their own caseloads during small group discussion.

TARGET AUDIENCE

This course will be of interest to physical therapists, PT assistants, occupational therapists, OT assistants, Speech-Language Pathologists, neurologists, and psychiatrists.



wiseGEEK

Date & Location: Saturday, May 20th, 2017 Northern Illinois University in Hoffman Estates 5555 Trillium Blvd. Hoffman Estates, IL 60192

COURSE SCHEDULE:

Table with 2 columns: Time and Activity. Activities include Registration & Check-In, What is neural plasticity, Break, Behavioral signals driving plasticity, Lunch, Translating principles of neural plasticity to the clinic, Break out groups, and Group Presentations and discussion.



6.25 Contact Hours

COURSE OBJECTIVES

- 1.) To be able to define neural plasticity.
2.) To be able to describe the behavioral signals driving neural plasticity.
3.) To be able to apply principles of neural plasticity in the clinical setting.
4.) To be able to describe novel adjuvant therapies for promoting neural plasticity.



ABOUT THE INSTRUCTOR:



Dr. Kleim received his Masters and PhD in Neuroscience from the University of Illinois in 1997. He completed a postdoctoral fellowship at the Kansas University Medical Center in 1998 before taking a faculty position at the Canadian Center for Behavioral Neuroscience at the University of Lethbridge. In 2005 he moved to the Department of Neuroscience and the Brain Rehabilitation Research Center at the University of Florida. He was most recently appointed the Associate Director of the

School of Biological and Health Systems Engineering at Arizona State University. His work examines the neural substrates underlying motor recovery after Stroke and Parkinson's Disease using both animal models and human patient populations. He has lectured extensively both nationally and internationally and recently completed a book entitled *Neural Plasticity: Foundation For Neurorehabilitation*.

Dr. Kleim has the following relevant financial relationships to disclose: He is funded by several national funding agencies to conduct research directed at developing novel therapies for movement disorders based on principles of neural plasticity. He receives an honorarium from Easter Seals DuPage & Fox Valley for speaking. He has no relevant non-financial relationships to disclose.

CONTACT INFO:

Phone: 630-282-2026

Email: ce@EasterSealsDFVR.org

www.eastersealsdfvr.org/continuingeducation

CONTINUING EDUCATION CREDITS

Continuing education credits for *O.T./P.T.* will be offered through the Illinois Department of Professional Regulation.

Early Intervention credits have been applied for.

All participants will receive a course completion certificate upon successful completion of the conference. No certificates will be awarded until course completion is verified on the final date of the conference.

**Occupational
Therapy:**



**APPROVED PROVIDER of
CONTINUING EDUCATION**
by The American Occupational
Therapy Association, Inc.

This course is offered with AOTA Classification Codes: Categories 1 & 2.

**Speech
Therapy:**



Easter Seals DuPage and the Fox Valley Region is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This course is offered for 0.6 CEUs (Intermediate level, Professional area).

REGISTRATION FORM

Please complete this form and mail with payment to:
Easter Seals DuPage & Fox Valley
Continuing Education Department
830 South Addison Avenue
Villa Park, IL 60181
FAX: 630.620.1148

REGISTRATION FEE: \$220

\$205 (on or before 4/20/17)

10% discount for groups of 4 or more from same facility; all registrations must be sent together.

Name: _____
(This is how your name will be printed on the course completion certificate.)

Title/Position: _____

Organization: _____

Org. address: _____

City: _____

State: _____ **Zip:** _____

Business phone: _____

Home address: _____

City: _____

State: _____ **Zip:** _____

Home phone: _____

E-mail: _____

For credit card payment, please complete:

Type (please circle): Visa, MasterCard, AmEx, Discover

Credit Card #: _____

Expiration Date: _____ **CVV:** _____

Neuroplasticity 05.2017

OTHER INFORMATION

MEALS— Continental breakfast & afternoon snacks will be provided.

QUESTIONS/Special Accommodations Needed?

Call us at: 630-282-2026 or by email at ce@eastersealsdfvr.org