

REGISTRATION FORM

Neurologic Practice Essentials: Exploring Neuroplasticity and Its Rehabilitation Implications

APTA #: _____ Neurology Section Member? Yes No
Name: _____
Address: _____

Daytime Tel: _____
Fax #: _____
E-mail: _____

Course Location : Casa Colina Centers for Rehabilitation,
255 E. Bonita Ave. , Pomona, CA 91769

Registration Fee (circle one)	Early Bird	30 days or less
PT Member of the Neurology Section	350	425
APTA PT Non-section Member	400	475
Non-APTA Member	475	550

*Fee includes provided continental breakfast and break snacks, as well as substantial handouts.

Registration Options: Online or by mail only

- **Register Online:**
<http://www.neuropt.org/go/events-and-courses/neurology-section-developed-courses>
- **By Mail:**

Method of Payment MasterCard Visa Amex
Card #: _____
Exp. Date: _____
Signature: _____
Billing Zip Code: _____

Or mail this form, with a **check made payable to APTA** to:
Sandy Rossi, c/o American Physical Therapy Association
ATTN: Neurologic Practice Essentials - Neuroplasticity
1111 North Fairfax Street
Alexandria, VA 22314

Questions? Please contact the Registrar at 800/999-2782 ext. 3155, or by email at neuro@apta.org.

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Neurology Section, APTA
1111 North Fairfax Street
Alexandria, VA 22314

Neurologic Practice Essentials: Exploring Neuroplasticity and Its Rehabilitation Implications

Speakers:

Beth E. Fisher, PT, PhD
Mike T. Studer, PT, MHS, NCS, CEEAA

October 20-21, 2012

Casa Colina Centers for Rehabilitation
Pomona, CA



CEUs

This course provides for 1.6 CEUs.

PARTICIPANTS, LOCATION AND HOUSING

October 20-21, 2012, Casa Colina Centers for Rehabilitation, 255 E. Bonita Ave., Pomona, CA 91769 . For information on lodging, driving directions, and/or parking, Please visit: <http://www.neuropt.org/go/events-and-courses/neurology-section-developed-courses>. Course is open to licensed Physical and Occupational Therapists.

CANCELLATION POLICY

Registration is on a space available basis only. Cancellations received on or before 30 days prior to the event will be refunded in full. A 20% handling fee will be charged for cancellations received between 30 and 7 days prior to the course. No refunds will be given for no-shows or cancellations less than 7 days prior to the course. On-site registrations will be accepted on a space available basis ONLY. The Neurology Section and Casa Colina Centers for Rehabilitation reserve the right to cancel this course without penalty up to two weeks prior to the event. In the event of cancellation by The Neurology Section or host facility due to unforeseen circumstances, participants will be refunded their registration fee. We encourage participants to purchase trip insurance.

COURSE OBJECTIVES

In this course participants will:

- Identify basic neuroanatomy and neurophysiological processes as they relate to advances in neuroplasticity research;
- Identify the multifactorial variables which may influence neuroplasticity and rehabilitation management;
- Critically examine current neuroplasticity concepts and discuss their clinical relevance related to individuals with neurodevelopmental, neurotrauma and neurodegenerative disorders;
- Discuss "take home messages" for practice, including designing interventions that can be implemented in the clinical environment; and
- Identify clinical barriers to the delivery of evidence based practice and suggest potential solutions.

COURSE DESCRIPTION

As neuroscience advances, physical therapists are challenged to remain current with new concepts and their translation to clinical practice. This 2-day course will update clinicians on the current scientific understandings of neuroplasticity processes as well as behavioral and non-behavioral variables that underlie changes in movement and function in persons with movement dysfunction. The speakers will present animal, human, and clinical research responsible for shifting the paradigm of rehabilitation and will culminate in discussions of key clinical practice questions and suggestions for structuring intervention. Video cases in neurodevelopment, neurotrauma, and neurodegenerative disorders will provide opportunity for collaborative small-group activities and discussions of how neuroplasticity research is relevant to and feasible in clinical practice.

COURSE SCHEDULE

Day 1

8:00-8:30	Terminology and introductory principles
8:30-9:45	Review of neuroanatomy and neurophysiology
9:45-10:00	BREAK
10:00-12:00	Plasticity in the normal and disordered nervous system: What, when, where, and how.
12:00-1:00	LUNCH
1:00-2:15	Assessment of neuroplasticity: methodologies that provide insight to the nervous system
2:15-2:30	BREAK
2:30-4:45	Variables that influence neuroplasticity: Activity and experience
4:45-5:00	Questions & Discussion

Day 2

8:00-10:30	Other variables that influence neuroplasticity
10:30-10:45	BREAK
10:45-12:00	Neuroplasticity in the clinic: Interventions that incorporate principles of neural plasticity
12:00-1:00	LUNCH
1:00- 3:20	Neuroplasticity in the clinic: Application of principles to patient cases;
3:20-3:35	BREAK
3:35-4:30	Benefits and Barriers: Translating the evidence into real life clinical environments
4:30-5:00	Take Home Messages

THE FACULTY

Beth Fisher, PhD, PT is an Associate Professor of Clinical Physical Therapy in the Division of Biokinesiology and Physical Therapy at the University of Southern California (USC). She holds a joint appointment in the Department of Neurology, Keck School of Medicine at USC. Dr. Fisher is the director of the Neuroplasticity and Imaging Laboratory primarily using Transcranial Magnetic Stimulation to investigate brain-behavior relationships during motor skill learning and motor control in both non-disabled individuals and individuals with neurologic disorders.

Mike Studer, PT, MHS, NCS, CEEAA is a Board Certified Neurologic Clinical Specialist and a Certified Exercise Expert in the Aging Adult. He received a B.S. in Physical Therapy from the University of Missouri-Columbia and post-professional MHS degree in physical therapy with neurologic emphasis from the University of Indianapolis. He is the founder of Northwest Rehabilitation Associates, in Oregon where he has extensive experience treating patients with neurologic disorders. Mike was awarded the 2011 Neurology Section Clinician of the Year award by the American Physical Therapy Association.

Course Developers: Deborah Backus, PT, PhD; Marghuretta Bland, PT, DPT, MSCI; Lara Boyd, PT, PhD; Nancy Byl, PT, PhD, FAPTA; Beth Fisher, PT, PhD; T. George Hornby, PT, PhD; Robbin Howard, PT, DPT, NCS; Teresa Jacobson Kimberley, PT, PhD; Deborah Sue Larsen, PT, DHS, NCS; Mike T. Studer, PT, MHS, NCS, CEEAA