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Profession/Job Title\* \_\_\_\_\_

Organization \_\_\_\_\_

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**Payment Required For Registration**

Check, credit card or company purchase order MUST accompany this registration form.

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✂ PLEASE RETURN ENTIRE PANEL

**Check the Course You Will Attend:**

**Daytona Beach, FL** - January 22, 2019

**Gainesville, FL** - January 24, 2019

**Ocala, FL** - January 23, 2019

**Jacksonville, FL** - January 25, 2019

**Check Your Pricing Plan**

<b>"All Access" Subscription</b> <small>Unlimited Live Attendance and Unlimited Online Access for ONLY \$299.99/Year</small>		
<input type="checkbox"/> <b>SINGLE COURSE EARLY RATE</b> <b>\$229<sup>99</sup></b> /Person	<input type="checkbox"/> <b>SINGLE COURSE REGULAR RATE</b> <b>\$249<sup>99</sup></b> /Person	<input type="checkbox"/> <b>"ALL ACCESS" SUBSCRIPTION</b> <b>\$299<sup>99</sup></b> /Year
<small>IMPORTANT: To qualify for early rate, payment must be received 14 days prior to workshop.</small>		
<b>Groups 5+</b> Special Rates Call (615) 376-8829		

**Easy Registration!**

1. Online: [www.summit-education.com](http://www.summit-education.com)
2. Phone: (800) 433-9570
3. Fax: (615) 376-8233
4. Mail: Summit Professional Education  
PO Box 908 | Franklin, TN 37065

Unregistered Walk-ins: Walk-ins will be charged \$259<sup>99</sup>/person, which includes a \$10 late processing fee.

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# Neuroplasticity and Neurological Disorders

*Effective Therapeutic Strategies for Dementia, Parkinson's Disease, Acquired Brain Injury, and Chronic Headaches*

★★★★☆ **4.7 Instructor Avg Rating**

**Presented by Peter Levine, RA, BA, PTA, AAS**

**About Peter Levine, RA, BA, PTA, AAS**

Peter Levine is a researcher, author, clinician and science communicator, dedicated to finding and reporting on the best systems for driving post-brain injury cortical plasticity. Mr. Levine is a consultant at the B.R.A.I.N. Lab at The Ohio State University, a premier center for treatment of motor deficits caused by neurological disabilities. He has been involved in brain injury-specific rehabilitation research since the late 1990s, is the co-developer of modified constraint-induced therapy (mCIT), and is a former Research Associate at both the Department of Rehabilitation Sciences, University of Cincinnati Academic Medical Center, and the Human Performance & Motion Analysis Laboratory at Kessler Rehabilitation Research and Education Corporation, the research arm of the Kessler Institute for Rehabilitation.

Mr. Levine has co-authored more than 60 articles and abstracts published in peer-reviewed journals including Stroke, the American Journal of Occupational Therapy, Neurorehabilitation and Neural Repair, Physical Therapy, Archives of Physical Medicine and Rehabilitation, and Topics in Stroke Rehabilitation. Mr. Levine is the author of the best-selling book Stronger After Stroke, beloved by stroke and TBI survivors alike for its easily understandable and scientifically accurate information on how to achieve optimal recovery. He has produced and presented training workshops and seminars nationally and internationally on rehabilitation and neuroplasticity. He received his degree in communication from George Mason University and his degree as a physical therapist assistant from Union County College.

**Who Should Attend This Course**

- Physical Therapists
- Occupational Therapists
- Physical Therapist Assistants
- Occupational Therapy Assistants

**Dates/Locations**

**Daytona Beach, FL**  
January 22, 2019

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**Benefits to Attending**

- Provide clinical strategies to leverage positive brain plasticity to rewrite for recovery
- Hands-on active labs for spasticity, headache treatment, and progressing repetitive practice to drive beneficial brain plasticity post brain injury
- Immediately engage treatments and strategies to decrease negative brain plasticity inherent in neuropathologies
- Practical, common sense tools to educate patients, caregivers and fellow clinicians to decrease the "dark side of brain plasticity" - pathology-driven disassembly of neural networks
- Effective, evidence-based intervention treatments that can be used clinically to leverage brain plasticity to improve outcomes
- Strategies to reduce spasticity by restoring executive control by the brain over spastic muscles

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**Group Learning**

- Special Rates for Groups of 5+
- Call (615) 376-8890 for More Details!

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**Summit Group Learning - SAVE NOW!**

- Special Rates for Groups 5+
- Subscriptions, Single CE Courses, or Private Events
- Customize Your Plan for Content and Budget



# Neuroplasticity and Neurological Disorders

## Effective Therapeutic Strategies for Dementia, Parkinson's Disease, Acquired Brain Injury, and Chronic Headaches

This course provides a commonsense perspective of the immediate and long-lasting effects brain diseases have on the human brain. Presented are new resources, research, and ideas to leverage brain plasticity with the aim to reverse brain damage, and promote recovery. Included will be a discussion of the tools, and techniques therapists have to ameliorate pain, and reduce or halt potential brain damage caused by Parkinson's, Alzheimer's, Acquired Brain Injury (incl. TBI and stroke), phantom limb pain, spasticity and headache. These populations, cumulatively, represent over 10 million diagnoses per year— in the U.S. alone."

Participants of this one-day interactive course will have global insight as to the profound plastic nature of the human brain, and plasticity's effect on both amplifying as well as ameliorating these diseases and their sequelae. The brain is command and control of every one of the trillions of cells in the human body. Most clinicians have a little training that provides insight into this wondrous organ. The aim of this course is to equip clinicians with tools, strategies, and treatments to work in tandem with the patient's brain to reduce pain and increase function. At the core of these treatment options is the melding of bleeding edge neuroscience with clinical practice.

### Learning Objectives

1. Describe the effect of neuroplasticity on a micro (neuron, synapse, glial cell), and macro (CNS) scale.
2. Evaluate how the basic "rules of neuroplasticity" can be used to treat any neuro patient.
3. Summarize the theory supporting cortical plasticity as a substrate for neuropathology and recovery.
4. Implement brain focused treatments for each discussed neuropathology.
5. Identify what is and what is not clinically effective for spasticity reduction.
6. Accurately and quickly measure spasticity of any muscle group.

### Join Our Faculty

Summit Professional Education is currently seeking qualified professionals to develop and teach workshops nationally. Visit [summit-education.com/instructor](http://summit-education.com/instructor) for more information.

### Dates/Locations

#### Daytona Beach, FL

January 22, 2019  
Hilton Garden Inn Daytona Beach Oceanfront  
2560 N Atlantic Ave  
Daytona Beach, FL 32118  
(386) 265-0501

#### Ocala, FL

January 23, 2019  
Courtyard Ocala  
3712 SW 38th Avenue  
Ocala, FL 34474  
(352) 237-8000

#### Gainesville, FL

January 24, 2019  
Hilton Garden Inn  
4075 SW 33rd Place  
Gainesville, FL 32608  
(352) 338-1466

#### Jacksonville, FL

January 25, 2019  
St. Vincent's Southside - Bryan Auditorium  
4201 Belfort Road  
Jacksonville, FL 32215  
(904) 296-3700



**Group Learning**

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### Course Outline

#### I. Neuroplasticity 101: Neuroplasticity Made Simple

- » Neuroplasticity demystified
- » How neuroplastic is the human brain?
- » Rules for driving neuroplastic change
- » Technologies for measuring neuroplastic change
- » Simple clinical measurement of neuroplastic change

Hands-On Lab

#### II. Direct Implications of Neuroplasticity on Pathologies of the Central Nervous System

- » Alzheimer's disease
- » Parkinson's
- » Chronic headaches
- » Acquired brain Injury

#### III. How Neuroplasticity Magnifies Pathologies Outside the Central Nervous System

- » Phantom limb pain
- » Spasticity
- » Spasticity measurement

Hands-On Lab

#### IV. Treatments and Strategies to Leverage Brain-Plasticity for Dementia, Parkinson's Disease, and Chronic Headaches

- » General treatments and strategies to help brain healing using neuroplasticity across all pathologies
- » Specific brain plasticity strategies and treatment options for each pathology
- » Alzheimer's disease
- » Parkinson's
- » Chronic headaches
- » Neck exercises to reduce headache duration/frequency

Hands-On Lab

#### V. Treatments and Strategies to Leverage Brain-Plasticity to Reduce Any Unilateral Pain Syndrome, Spasticity

- » Phantom limb pain
- » Complex regional pain syndrome
- » Additional pain issues
- » Spasticity

#### VI. Treatments and Strategies to Leverage Brain-Plasticity for Recovery of Acquired Brain Injury

- » Neuroplasticity for recovery from brain injury
- » Breaking down task-specific training

Hands-On Lab

### Course Schedule

- 7:30am - Registration & Coffee
- 8:00am - Workshop Begins
- 11:30am - 12:30pm - Lunch On Your Own
- 3:30pm - Workshop Adjourns

Some facilities may charge for parking, which is at your own expense.

Your instructor will break for 15 minutes in the morning and afternoon at appropriate times.

### Continuing Education Credit



Occupational Therapists - Summit Professional Education is an AOTA Approved Provider of continuing education - provider #5873. This course is offered for 0.6 AOTA CEUs (6.0 contact hours). This course contains content classified under both Domain of OT and Occupational Therapy Process. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA. **FL:** Summit Professional Education is approved by the Florida Board of Occupational Therapy Practice as a continuing education provider - #50-8381, 6.0 hours. **GA:** This workshop meets the requirements for Georgia State Board of Occupational Therapy amended rule 671-3-.08(5) and (10) Renewal of License, Penalties, Continuing Education Requirements. This workshop is offered for 6.0 hours.

**Physical Therapists - FL:** This course has been submitted to CE Broker on behalf of the Florida Physical Therapy Association for review and approval, 7.0 CEH. The FPTA has determined that any lab content which lies outside of the scope of PTA practice may not be approved for CEH. Therefore final approval for PTAs may be less than 7.0 CEH. **GA:** As per regulation 490-4-.02(1)(b) of the Georgia Board of Physical Therapy on continuing competence requirements programs approved by the Physical Therapy Association of Georgia or any other state chapter will be accepted by the state licensing board. Summit Professional Education is approved by the Kentucky Physical Therapy Association as a continuing education provider, #CS45-2008-KPTA. This course is offered for 6.0 contact hours.

**Athletic Trainers - Summit Professional Education (BOC AP# P3785)** is approved by the Board of Certification, Inc. to provide continuing education to Athletic Trainers. This program is eligible for a maximum of 6 Category A hours/CEUs. ATs should claim only those hours actually spent in the educational program. **FL:** Summit Professional Education is approved by the Florida Board of Athletic Trainers as a continuing education provider - #50-8381, 6.0 hours.

**Rehabilitation, Home Care and Other Professionals -** This seminar qualifies for 6.0 continuing education hours as required by many national, state and local licensing boards and professional organizations. Save your course outline and certificate of completion, and contact your own board or organization for specific filing requirements.

This event contains intermediate level content.

#### SATISFACTORY COMPLETION

Participants must pay tuition fee, sign in, attend the entire seminar, complete an evaluation and sign out in order to receive a certificate of completion. Participants not fulfilling these requirements will not receive a certificate. Failure to sign in or out will result in forfeiture of credit for the entire workshop. No exceptions will be made. Partial credit is not available.

#### WORKSHOP HANDBOOK

Included with your registration you will receive a comprehensive manual compiled by the instructor.

#### DISCLOSURES

**FINANCIAL:** Peter Levine is compensated by Summit as an instructor and receives royalties as the author of Stronger After Stroke.  
**NONFINANCIAL:** Peter Levine is the co-developer of modified constraint-induced therapy (mCIT) and is a co-publisher of more than 60 peer-reviewed journal articles on various topics related to stroke recovery.  
**IN-KIND SUPPORT:** Meeting space for 1/25 workshop provided by St. Vincent's Riverside.

#### SCOPE OF PRACTICE

Workshop content is not intended for use by participants outside of the regulatory scope of practice of their license(s). You are responsible for knowing what lies within and without your professional scope of practice.

Have continuing education credit questions? Please email our CE Department at [customerservice@summit-education.com](mailto:customerservice@summit-education.com) for the latest approval status.



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- Includes this course
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**ONLY \$299.99** for an entire year!

#### THE SUMMIT GUARANTEE

Summit Professional Education is a national leader in high-quality educational products and services for today's professional. Our seminars and training programs are designed to help professionals achieve improved performance and results in all areas. Our faculty is the "best of the best" in their fields of expertise, providing programs that really make a difference to participants. If for any reason you are not satisfied with the program, simply notify the registrar of your intent to withdraw from the program prior to the first morning break, turn in your workshop materials and receive a 100% refund or credit on a future program.

#### REGISTRATION, CONFIRMATION & CERTIFICATES

Confirmations of registration will be sent via email. A copy of your registration confirmation

will serve as your receipt for fees paid at the time of registration. Walk-ins are welcome but must register onsite. Please notify us at least thirty (30) days in advance if you have special needs or require assistance. Certificates are mailed to the seminar location 5 business days in advance. If your certificate is not available the day of the seminar, please complete a certificate request onsite and a copy will be sent to you. Hotel locations must occasionally be adjusted. Please provide an email address and phone number to receive any important updates.

#### SUBSTITUTION & CANCELLATION POLICY

Substitutions may be made at any time. Requests for cancellation must be received in writing by fax or mail ten (10) days prior to the seminar in order to receive a refund less a \$20.00

administrative charge per canceled attendee. If the cancellation is made within ten days or less, refunds will not be granted for any reason; instead, credit will be given equal to the amount paid that may be used toward the purchase of any product offered by Summit. Account credits are transferable and any unused account balance expires one year from the date of issuance. In cases of inclement weather where the seminar is conducted as scheduled but you are unable to attend, you may request a credit (which expires after one year) that may be used for any product Summit has to offer. If we must cancel or change the seminar for any reason, our liability is limited to the cost of tuition. If you register and do not attend, you are still responsible for payment.

**W-9:** To download a copy, logon to [www.summit-education.com/w-9](http://www.summit-education.com/w-9)  
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