



# Neurodynamics and the Neuromatrix TWO-DAY COURSE [www.noigroup.com](http://www.noigroup.com)

This lecture, practical and interactive course is all about neurones. It explores how movements of the nervous system, activation of brain representations of the movements plus targeted therapeutic neuroscience education can provide a potent therapy for many persistent pain states. The course creates assessment and management strategies based on advanced neurodynamics and neuroscience education. You'll learn about clinical utilization of the neuromatrix paradigm, immune links to pain, some modern stress sciences, biologically based graded exposure, homuncular refreshment techniques and virtual body exercises. You'll learn how to talk about "pain in the head" in a therapeutic way. Updated active and passive neurodynamic techniques focusing on the upper limb, thorax, spinal cord, and nerve root will be taught and their place in both peripheral and central sensitization will be emphasized. Lots of practical's, lots of interaction, cutting edge neuroscience....and you will have fun learning.

## COURSE AIMS & COURSE PROGRAM

- Introduce the neuromatrix paradigm and update the pain mechanisms paradigm
- Review and update the neurodynamic tests for the upper body
- Place the neurodynamic tests in a framework of peripheral and central sensitivity
- Provide the basis of therapeutic neuroscience education
- Teach biologically based graded exposure
- Link educational strategies with neurodynamics

### Day 1 8:00am – 4:30pm

Modern paradigms for rehabilitation - Neurodynamics and modern neuroscience  
Basic and advanced neurodynamic techniques  
Median, radial, ulnar and musculocutaneous nerves and representations  
Peripheral sensitivity - Central Sensitivity

### Day 2 8:00am – 3:30pm

Protective systems and their perturbations  
Long sit slump, thorax and SMP  
Explain pain basics and examples  
Neurodynamics and central sensitization

*NOI's core philosophy is to provide progressive, current material, always challenging existing management protocols, to promote professional reinvestment, and to ensure that course participants benefit from the most recent research in a fun way.*

## Chicago, IL December 2&3, 2011 COURSE INSTRUCTORS: Bob Johnson

**Cost per person:** US \$425.00 (USD)

**Location:** Northwestern Medical Campus  
645 N Michigan Ave Chicago IL 60611

**Host Sponsor:** Achieve Orthopedic Rehab Institute, Inc.

**Contact Person:** Heather Murnane 908 N. Elm street # 109  
Hinsdale, IL phone (630) 321-0055, and fax (630) 321-0088

**Registration is open to:** Physical Therapists, Occupational Therapists and Physicians (MD or DO).

**NOI courses include** patient education as an evidence-based treatment tool, and are supported by quality workbooks, graphics and post course web involvement.

## REGISTRATION / INFORMATION

Submit your registration form to [heatheraori@gmail.com](mailto:heatheraori@gmail.com)

Please contact our office Phone: 630-321-0055

complete this form and fax to 630-321-0088

Full name: \_\_\_\_\_

Professional designation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Daytime phone: \_\_\_\_\_

Email: \_\_\_\_\_

**Payment by check** Made payable to 'OMPT'

Amount \$ \_\_\_\_\_ Check No.: \_\_\_\_\_

Post to: 908 N. Elm Street 109 Hinsdale, IL 60521

**Payment by credit card**

Amount \$ \_\_\_\_\_ ☺ MC ☺ VISA ☺ Amex

Card# \_\_\_\_\_

Expiration Date: \_\_\_\_ - \_\_\_\_

Cardholders signature: \_\_\_\_\_

**Participant Cancellation:** If written notification of cancellation is received to AORI prior to the course start date, the participant may receive a letter of credit for the full amount, substitute someone in their place, or transfer to another course within 12 months of the cancellation without penalty. No monies will be refunded for cancellations. If the participant registered using a letter of credit, or if the participant has been transferred from another course, and the participant cancels, no amount can be transferred from another course, and no other letter of credit will be issued. All credits are forfeited. No money or credit will be issued for 'no shows' at the course, nor for cancellation any time after the course start date.