

## HOW TO REGISTER

Complete the following and mail to the address below.

### Explain Pain & the Brain

Name: \_\_\_\_\_

(Please Print Clearly)

\_\_\_ Alumni \_\_\_ CI/CCCE \_\_\_ Clinician

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

Phone No. \_\_\_\_\_

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

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

Reference on your check: SMUW

**MAKE CHECK PAYABLE TO  
SAMUEL MERRITT UNIVERSITY**

Mail registration and check to:

**Veronica Paniagua,  
Administrative Assistant  
Samuel Merritt University  
Department of Physical Therapy  
450 30<sup>th</sup> Street, Suite 3706  
Oakland, CA 94609  
Fax: 510-869-6282**

**REGISTRATION DEADLINE:  
JANUARY 29, 2010**



SAMUEL MERRITT  
UNIVERSITY

**DOCTOR OF  
PHYSICAL THERAPY  
PROGRAM**  
IS PLEASED TO PRESENT

**EXPLAIN PAIN &  
THE BRAIN**

**AN AFTERNOON SEMINAR  
PRESENTATION BY  
G. LORIMER MOSELEY,  
PHD**

Health Education Center  
400 Hawthorne Ave.  
Oakland, CA 94609

**Friday, February 12, 2010  
2:00- 6:00 p.m.**

Samuel Merritt University – DPT  
450 30<sup>th</sup> Street, Suite 3706  
Oakland, CA 94609

## COURSE DESCRIPTION

This seminar provides an overview of current thought in pain sciences, with an emphasis on key paradigms and the biological principles and data on which they are based. The seminar draws on knowledge from the basic and clinical sciences and evidence from clinical trials to provide a clear idea of when and where explaining pain can improve the efficacy of treatment. Regardless of your clinical paradigms, really understanding pain is important and affects your outcomes.

## INSTRUCTOR

G. Lorimer Moseley, PhD is an internationally recognized clinician and researcher, currently the NHMRC Senior Research Fellow at the Prince of Wales Medical Research Institute in Sydney, Australia. His work has been published in numerous scientific journals and he is the author of *Painful Yarns: Metaphors & stories to help understand the biology of pain* and co-author with David Butler of *Explain Pain*, the key text for patients, clinicians, and educators working to understand clinical application of pain sciences.

## WHO SHOULD ATTEND?

Open to PTs, PTAs, PT/PTA students, and all other health care professionals working with patients/clients who have pain. Four contact credits hours available, 0.4 CEUs (Approval

Pending). Attendees will receive a certificate of completion.

## COURSE SCHEDULE

**Friday, February 12, 2010**

1:30 pm Registration  
2:00-6:00 p.m. Seminar

## FOR MORE INFORMATION

Nicole Christensen, PT, PhD, MAppSc  
Assistant Professor, Department of Physical Therapy  
[nchristensen@samuelmerritt.edu](mailto:nchristensen@samuelmerritt.edu)  
or 510-869- 6511 x4723

## REGISTRATION INFORMATION

Early Bird Reservations (by 12/15/09):

**\$95.00**

Regular Reservations (after 12/15/09):

**\$125.00**

SMU/ SMC Clinical Instructors and Alumni:

**\$95.00**

Cancellation policy: Individuals must request a refund **two weeks** prior to the beginning of the course.

## COURSE OBJECTIVES:

- Understand the history of the structural pathology model of pain and the evidence underpinning it.

- Understand why the structural pathology model of pain is no longer supported by scientific evidence.
- Understand a new conceptualization of pain as a conscious protective mechanism associated with the implicit perception of threat to body tissue.
- Understand the scientific evidence underpinning this conceptualization.
- Understand the difference between nociception and pain.
- Understand the neurobiological processes that underpin nociception (i) in the periphery and (ii) in the spinal cord.
- Understand the conceptual neurobiology that underpins pain.
- Understand the biology, conceptual and functional significance of peripheral sensitization, central sensitization and cortical sensitivity.
- Be comfortable with the notion of explaining pain to patients in a biologically accurate manner, including the role of explaining pain within a wider paradigm of clinical reasoning.

## SAMUEL MERRITT UNIVERSITY

Please visit our website ([www.samuelmerritt.edu](http://www.samuelmerritt.edu)) to learn more about the Doctor of Physical Therapy Program at Samuel Merritt University. You may visit this website for directions to Samuel Merritt University as well.