# University of Kentucky Department of Physical Medicine and Rehabilitation And Cardinal Hill Rehabilitation Hospital May 15, 2012

Keynote Lecture: 12:00 PM Cardinal Hill Center of Learning: Rooms 3 and 4



### Miguel Nicolelis, M.D., Ph.D.

Duke University's Anne W. Deane Professor of Neuroscience; Professor of Neurobiology, Biomedical Engineering and Psychology and Brain Sciences; and founder of the Duke University Center for Neuroengineering

## Beyond Boundaries: The New Neuroscience of Connecting Brains with Machines and How It Will Change Our Lives

#### **Accreditation Statement**

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#### **Objectives**

- 1. Identify mechanisms of action of brain-computer interface
- 2. Describe how brain-computer interface has enabled users with paralysis to exert enhanced control over their environments.
- 3. Interpret relevance of most recent research findings on brain-computer interface to existing clinical practice
- 4. Detect potential pitfalls of BCI research translation to existing clinical practice
- 5. Evaluate ethical concerns associated with clinical use of BCI

#### **Target Audience**

Physicians, Physician Assistants, Clinical Researchers, Nurses, Nurse Practitioners, Occupational Therapists, Physical Therapists, Social Workers, Speech-Language Pathologists and Residents in Physical Medicine & Rehabilitation.

#### **Disclosure Statement**

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#### **Special Services & Registration**

If you require special assistance to attend this event or would like to register, please call Teresa Griffee at (859) 323-3013 or email at teresa.griffee@uky.edu.

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