

Seminar IRH-ICUB

Consciousness and Cognition: An Interdisciplinary Approach

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convenor Dr. Diana Stanciu

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Date: Friday, 15 April 2016, 11h

Place: IRH-ICUB (1 D. Brandza Str.), conference room

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Dr. Mihai Moldovan (<http://www.fens.org/People/Moldovan-Mihai>) is an associate professor in Neuroscience at the Institute of Neuroscience and Pharmacology, the Faculty of Health Sciences, Copenhagen University and a consultant for the Clinical Neurophysiology Department at the Copenhagen University Hospital. Dr. Moldovan also has a long-standing collaboration with the ‘Carol Davila’ University of Medicine and Pharmacy in Bucharest, where he is a visiting professor in the Medical Physiology Department. He is the president of the National Neuroscience Society of Romania.

Unconscious Brain

Coma is, in the broad sense, a state of unconsciousness from which a person cannot be awakened. The comatose brain appears unaware of its surrounding environment. The “depth of coma” is clinically judged from the degree of impaired voluntary motor responsiveness to various sensory/sensorial stimuli. Nevertheless, electroencephalography (EEG) as well as other brain imaging techniques have shown that in altered states of consciousness, including general anesthesia, the brain activity can change (react) to stimulation even in absence of an identifiable awareness. This presentation reviews experimental work during the last 5 years at the ComaEEG.RO on novel measures of EEG reactivity to assess coma states. This research was supported by grants of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, project number PN-II-ID-PCE-2011-3-0847, and PN-II-PT - PCCA-2011-3.2-1290.