



BY DR. OLGA LUCÍA GAMBOA ARANA (SENIOR RESEARCH SCIENTIST, CENTRE FOR COGNITIVE NEUROSCIENCE, DUKE UNIVERSITY)



IDS Research Workshop Series 29-30 November 2018

Registration Link:



Website: <https://ids.hksyu.edu/cebp/home>
Contact: cebp@hksyu.edu / 2804 8579

Transcranial Magnetic Stimulation: Basic & Advanced Methodology

Day 1

Date: 29 November 2018 (Thursday)
Time: 10am – 1pm; 2:30pm – 6:30pm
Venue: RLG 309, Research Complex, HKSU

Day 2

Date: 30 November 2018 (Friday)
Time: 10am – 1pm; 2:30pm – 6:30pm
Venue: RLG 309, Research Complex, HKSU

Schedule:

| Day 1 | |
|--------------------|---|
| Morning Sessions | 1. Lecture: "TMS Basic Principles" |
| | 2. Lecture: "TMS Safety Aspects" |
| Afternoon Sessions | 3. Lecture: "TMS Applicability" |
| | 4. Hands on: "TMS Technique: the Basics" |
| Day 2 | |
| Morning Session | 5. Lecture: "Designing TMS Experiments" |
| Afternoon Sessions | 6. Lecture: "Writing TMS Protocols" |
| | 7. Hands on: "A TMS Experimental session" |

About the speaker:

Dr. Olga Lucía Gamboa is a physicist with a Ph.D. in Basic and Clinical Neurology. During all her career as a researcher she has worked with non-invasive magnetic and electric stimulation techniques applied to cells, non-human primates and humans. During the last 10 years her research efforts have been dedicated to investigate neural plasticity and brain function in humans using transcranial stimulation methods (Transcranial magnetic stimulation (TMS) and transcranial electric stimulation). Her areas of research include motor cortex plasticity, neurophysiologic research with TMS in child and adolescent psychiatry



focused on anxiety and TMS combined with neuroimaging methods (offline and concurrent fMRI and EEG) to assess and modulate cognitive function. Besides, she uses neuroimaging and mindfulness practices in her own research focused on understanding cognitive processes such as memory and forgetting linked to emotion and how these affect well-being.

Language:
English

Free admission. As seats are limited, registration is strongly recommended. All are welcome!

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