

TDRA WORKSHOP: NEUROMODULATION FOR NEUROCOGNITIVE DISORDERS (NOV 1, 2023)		
TIME (ET)	SESSION	CHAIR/PRESENTER
8:00 am	Registration, Breakfast, and Networking	-
8:30 am	Introduction/Welcome Notes	Dr. Trevor Young Dr. Tarek Rajji
SESSION 1: CLINICAL SCIENCE		
8:45 am	Session Introduction	Dr. Tarek Rajji
8:50 am	Why is brain stimulation beneficial? The excitatory-inhibitory balance hypothesis	Dr. Jed Meltzer
9:20 am	Q&A	
9:30 am	Focused ultrasound as a neuromodulation tool	Dr. Kullervo Hynynen
10:00 am	Q&A	
10:10 am	Could repetitive transcranial magnetic stimulation (rTMS) modulate the motoric-cognitive risk syndrome (MCR)?	Dr. Amer Burhan
10:40 am	Q&A	
10:50 am	Morning Break	
11:00 am	Photobiomodulation and neurodegeneration: Shedding a light	Dr. Corinne Fischer
11:30 am	Q&A	
11:40 am	The PACT-MD randomized clinical trial: Prevention of Alzheimer's dementia with cognitive remediation plus transcranial direct current stimulation in mild cognitive impairment and depression	Dr. Tarek Rajji
12:10 am	Q&A	
12:20 pm	Technologies for studying and effecting deep brain stimulation	Dr. Taufik Valiante
12:50 pm	Q&A	
1:00 pm	Lunch Break and Poster Session	
SESSION 2: METHODOLOGY & BASIC SCIENCE		
2:30 pm	Session Introduction	Dr. Tarek Rajji
2:35 pm	Design and conduct of complex innovative trials for neurocognitive disorders	Dr. Clement Ma
3:05 pm	Q&A	
3:15 pm	Optimizing stimulation to enhance activation of prefrontal cortex	Dr. Evelyn Lambe
3:45 pm	Q&A	
3:55 pm	Afternoon Break	
4:05 pm	Distinct synaptic plasticity mechanisms induced by different patterns of theta burst stimulation in the rodent hippocampus	Dr. Graham Collingridge
4:35 pm	Q&A	
4:45 pm	Neuronal and glial stimulation induced by blood-brain barrier modulation with focused ultrasound	Dr. Isabelle Aubert
5:15 pm	Q&A	
5:25 pm	Closing Remarks	Dr. Tarek Rajji