



# Focused Ultrasound Neuromodulation Conference 2024

## HANDS-ON WORKSHOP PROGRAM

Saturday – July 13<sup>th</sup>, 2024

Conference Room –McLaughlin Pavilion, 9<sup>th</sup> floor, Room 408

Toronto Western Hospital – 399 Bathurst Street, Toronto, Ontario, M5T 2S8

14:00	Fundamentals of transcranial ultrasound stimulation (TUS) <b>Dr. Kim Butts Pauly, Stanford University</b>		
14:20	TUS - physiological effects, advantages and limitations, and study design <b>Dr. Robert Chen, University of Toronto</b>		
14:40	Planning for Ultrasound Neuromodulation: Modelling and Neuronavigation <b>Dr. Samuel Pichardo, University of Calgary</b>		
15:00	Break and visit to Exhibitors		
15:30	Water tank hydrophone measurement demonstration <b>GROUP A</b>	Hands-on demonstration of TUS simulation (Babelbrain, K-wave, K-plan) <b>GROUP B</b>	Hands-on demonstration of TUS Coupling & Targeting with Neuronavigation Systems <b>GROUP C</b>
16:10	Hands-on demonstration of TUS simulation (Babelbrain, K-wave, K-plan) <b>GROUP B</b>	Hands-on demonstration of TUS Coupling & Targeting with Neuronavigation Systems <b>GROUP C</b>	Water tank hydrophone measurement demonstration <b>GROUP A</b>
16:50	Hands-on demonstration of TUS Coupling & Targeting with Neuronavigation Systems <b>GROUP C</b>	Water tank hydrophone measurement demonstration <b>GROUP A</b>	Hands-on demonstration of TUS simulation (Babelbrain, K-wave, K-plan) <b>GROUP B</b>
17:30	Final discussion with Q and A		
18:00	End of Workshop		