HSCI RESEARCH SEMINAR SERIES
SCHOOL OF HEALTH SCIENCES

“SIMULTANEOUS MEASUREMENT OF FUNCTIONAL MRI AND MRS BY FAST NON-WATER SUPPRESSED KEYHOLE MR SPECTROSCOPY IMAGING”

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Tuesday, January 21, 2020
BRNG 2280
4:30 p.m.

Research:

Combined fMRI-MRS is a novel method to non-invasively investigate functional activation in the human brain using simultaneous acquisition of hemodynamic and neurochemical measures. Magnetic resonance spectroscopic imaging (MRSI) allows neurochemical profiles to be acquired from multiple voxels simultaneously over large regions of the brain. The aim of this project was to investigate the feasibility of utilizing a non-water suppressed MRSI sequence with concentric k-space trajectory (CRT) to perform fMRI and fMRS simultaneously.