ELSC Special Seminar: Assaf Tal Sun. 17/4, 12:00

April 7, 2016

On the topic of: New Localization Schemes for Magnetic Resonance Spectroscopy

ELSC cordially invite you to the lecture given by:

**Assaf Tal**

Weizmann Institute

**On the topic of:**

New Localization Schemes For Magnetic Resonance Spectroscopy

The lecture will be held on Sunday, April 17, 2016 at 12:00, at ELSC: Silverman Bldg., 3rd Wing, 6th Floor, Edmond J. Safra Campus

Light refreshments at 11:45

**Abstract:**

Magnetic Resonance Spectroscopy (MRS) allows for the acquisition of spectra from localized regions in the human brain in-vivo, enabling one to monitor the concentrations of metabolites such as glutamate and GABA non-invasively. The exact sequence used for quantification has a pronounced effect on the quality and robustness of the data. I will present a new sequence, STRESS, which combines two of the hallmark MRS localization sequences, STEAM and PRESS, which yields ultra-short echo times, high signal to noise ratios and minimal chemical shift displacement artifacts, effectively giving one the “best of both worlds”.

Tags: 2015-2016 Seminars

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