



Bar-Ilan University  
אוניברסיטת בר-אילן

Faculty of Exact Sciences  
Department of Chemistry

הפקולטה למדעים מדויקים  
המחלקה לכימיה

# SEMINAR

Monday 15/1/18, 12:00 pm

Building 211, seminar room

## SPEAKER:

**Dr. Assaf Tal**

Department of Chemical Physics, Weizmann  
Institute of Science

## TOPIC:

**From spin to thought: What can NMR teach us about the brain?**

Nuclear magnetic resonance can be used to probe the brain's underlying neurochemistry non-invasively, providing a glimpse into a range of fascinating in-vivo phenomena. In this talk I will present some of our in-vivo work, beginning with our underlying motivation and presenting evidence NMR can provide valuable insight into functional brain physiology. I will then discuss some of the new techniques and pulse sequences developed in the lab which let us address the questions raised.