

Assaf Tal

Title: Functional Spectroscopy: What can NMR teach us about the brain's function?

Abstract: Understanding the physiology of the human brain at rest and during activation is one of the major goals of neuroscience. Unlike EEG or MEG, which record electrical activity, or BOLD-fMRI, which records hemodynamic activity, NMR lets us observe the brain's metabolism and chemistry non-invasively - this is particularly alluring, since "brain activity" is not merely electrical in nature. In this talk I will present our work using in-vivo NMR to try and probe some of these unexplored aspects.