

## **Short bio**

Talma Hendler (MD PhD) is a professor of Psychology, Psychiatry and Neuroscience at Tel Aviv University, and the founding director of the Sagol Brain Institute in the Tel Aviv Sourasky Medical Center. Dr Hendler holds an MD from Tel Aviv University and a PhD from SUNY at Stony Brook, NY and is a licensed psychiatrist in Israel.

Prof. Hendler leads the Neuropsychiatry & Neuromodulation research team and an associated Investigator of all the other 6 research teams at the Sagol Brain Institute.

More recently, her lab has pioneered the development of a new real-time imaging approach for the non-invasive identification of "electrical finger-print", that can reliably depict deeply located neural activation through trans-modality learning computation (e.g. from fMRI to EEG). This novel method enables accessible bed-side Brain Computer Interface procedures aimed to alleviate and/or prevent stress related psychopathologies. Dr. Hendler's accumulative work in affective neuroscience over the last two decades has paved the way for the promising utilization of imaging technologies for developing brain based therapeutics for mental suffering.