



NAME OF LABORATORY: Laboratory for Consciousness and Neuropsychopharmacology

PI: Dr. Haggai Sharon MD

Director of Department: Prof. Talma Hendler MD, PhD

Research Objectives: Our research goal is to advance the understanding of brain processes underlying consciousness and the subjective human experience. To that aim we probe brain activity by using an array of advanced functional neuroimaging techniques during the resting state and in response to different stimuli, as well as following modulation of brain activity using behavioral and pharmacological interventions and brain-computer interfaces.

Main Research topics:

- Brain mechanisms underlying the subjective experience of pain in healthy volunteers and chronic pain patients, and the ability to change them by using noninvasive interventions.
- Neural processing in patients with disorders of consciousness.
- Brain processes involved in coma, anesthesia and sleep.
- The effect of psychoactive medications on the subjective experience and brain activity in patients with neuropsychiatric illnesses.

Staff: Dr. Maya Bleich-Cohen – Researcher, Dr. Ory Levy – Physician Researcher, Noam Goldway – PhD student in Neuroscience, Libat Weizman – MSc. Student in Neuroscience, Plia Beerli – MSc. Student in Neuroscience, Michal Budnik – MSc. Student in Neuroscience.

Active Grants:

- NARDAD Young Investigator Grant
- Excellence Grant, TASMC internal
- Adopt a Researcher, TASMC internal

Collaborations:

- Department of Psychiatry, Institute of Pain Medicine, Department of Emergency Medicine – Tel Aviv Sourasky Medical Center
- School of Education, School of Psychological sciences, Faculty of Medicine – Tel Aviv University
- Reuth Rehabilitation Hospital
- Department of Psychology, Berkley University, California USA

Contact us: Email - haggais@tlvmc.gov.il