

### **Behavioral Animal Models (Ramot)**

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### **Laboratory of Biological Psychiatry & Behavioral research- Felsenstein Institute**

#### **Main Research Topics**

Cognition, Memory, Social behavior, Motility.

Disease: Schizophrenia, Anxiety, Neuropathy pain and Depression

Drug Development: Schizophrenia, Depression, Cognition, Pain

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#### **Lab facilities**

The lab is well equipped with the required instruments for molecular and cellular research. At the institute, we have a modern animal room and a specific lab for animal behavior research, including a Noldus digital system.

The lab is lead by experienced, skillful and professional personnel:

- Dr Irit Gil-Ad PhD having expertise in psychopharmacology
- Dr Michal Taller PhD, an expert in molecular biology and proteomic research

#### **Available Research Services**

##### **In vivo - Behavioral tests (main):**

- Open Field – testing Depression, Anxiety, Motility
- Elevated plus maze – testing Anxiety
- Forced Swim Test – testing Depression
- Chronic mild stress – testing Depression
- Morris water maze - testing Cognition and Memory
- MK801 or PCP -induced hyper activity - testing Schizophrenia
- Hot plate – testing Pain
- Carageenan induced inflammation - testing pain and inflammation

#### **Ex Vivo Brain Research**

- Brain tissues are dissected and analyzed for specific protein using western blot or PCR methods
- Proteins routinely analyzed; BDNF, TRKb, Bcl2, ERK, Jun, IGF-1 and others

#### **Contact Information**

#### **Campus Rabin Medical Center**

Petah-Tikva 49100  
Tel: 03-9376275 Fax: 03-9376134

The lab of Biological psychiatry is located at the Felsenstein Medical Research Center  
in the vicinity of the Rabin Medical Center (Beilinson) Campus, Petah-Tikva.


**Institute and Lab Director - Prof. Abraham Weizman, MD**

**Head of Research Team: Dr Irit Gil-Ad, PhD** | [iritgil@post.tau.ac.il](mailto:iritgil@post.tau.ac.il)

**Students Instructor: Dr Michal Taler, PhD** | [michalt@post.tau.ac.il](mailto:michalt@post.tau.ac.il)

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**Contact for more information:**

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