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## Postdoc positions at the Sagol School of Neuroscience

### Information for candidates

Tel Aviv University's Sagol School of Neuroscience will support prestigious post-doc positions for interdisciplinary research in neuroscience. We seek highly motivated candidates with a strong foundation in neuroscience that allows for independent interdisciplinary research, as well as an excellent publication record. Candidates should not be more than 5 years after receiving their doctoral degree.

#### **Priority will be given to non-Israeli candidates from universities outside Israel.**

A candidate must be hosted by one of the labs affiliated with the School ([http://neuroscience-web.tau.ac.il/en/?page\\_id=379](http://neuroscience-web.tau.ac.il/en/?page_id=379)).

Candidates should forward:

- An updated CV including a list of publications
- A letter of invitation written by a Tel-Aviv University host laboratory affiliated with the Sagol School of Neuroscience.
- Two letters of recommendation
- A two-page description of the proposed interdisciplinary research in neuroscience

All applications should be sent to Yulia Agranat [yuliaagr@tauex.tau.ac.il](mailto:yuliaagr@tauex.tau.ac.il) with the subject: "Postdocs 2016".

Postdoc fellowships are awarded for 2 years with a generous monthly stipend of 10,000 NIS (approximately 2280 EUR). This amount is entirely tax-free by Israeli tax regulations. Postdocs will have to take care of their health insurance.

Towards the end of the 1<sup>st</sup> year, progress will be evaluated by the school's postdoc committee and continued support for the 2<sup>nd</sup> year is contingent upon presenting significant scientific progress.

Starting date: **January-August 2016.**

- Deadline for application submission: **31/12/2015**
- For more information contact us at: [yuliaagr@tauex.tau.ac.il](mailto:yuliaagr@tauex.tau.ac.il).
- Information about Tel-Aviv campus, visitor information, Visa and more can be found under: <http://www.tau.ac.il/visitors/>



### **Research in the lab of Dr David Gurwitz**

See: [http://neuroscience-web.tau.ac.il/en/?post\\_type=portfolio&p=1757](http://neuroscience-web.tau.ac.il/en/?post_type=portfolio&p=1757)

Currently funded research projects in our lab include:

1. SSRI antidepressant drug response biomarkers (including animal models for stress-induced depression)
2. Lithium response biomarkers (with cell lines of bipolar disorder patients)
3. Early detection biomarkers for Alzheimer's disease (with cell lines of AD patients)
4. Transcriptomic studies on longevity (with cell lines of healthy centenarians)

For all projects, we focus on two key approaches:

(a) In vitro cellular phenotyping of drug, hormone, or peptide responses (e.g., amyloid-beta and tau in the case of AD), by measuring cell growth rates; mitochondrial activity and intracellular pH (pHi) measurements.

(b) Transcriptomics (microarrays, RNA-seq, real-time PCR for candidate genes and miRNAs).

**To be considered for the postdoc fellowship competition at the Sagol School of Neuroscience (and prior to applying officially as stated on the first page) interested applicants (with PhD in neuroscience-related topic obtained from January 2011 onward) should write and include their CV to Dr David Gurwitz:**

[gurwitz@post.tau.ac.il](mailto:gurwitz@post.tau.ac.il)