

## TAMAR REGEV – CV

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### EDUCATION

2011 – current – The Hebrew University of Jerusalem.

PhD candidate, Computational Neuroscience. Edmond and Lily Safra Center for Brain Sciences. Advisors: Prof. Leon Deouell, Prof. Israel Nelken. *Title: Preattentive representations of auditory frequency and their EEG correlates.*

2009 – 2011 – Universitat Pompeu Fabra, Barcelona.

M.Sc. Cognitive Systems and Interactive Media. Advisor: Prof. Sergi Jorda. *Title: Sonic feedback to movement as learned auditory-proprioceptive sensory integration.*

2005 – 2008 – Tel-Aviv University, Tel-Aviv.

B.Sc. Physics and Biology. SUMMA CUM LAUDE.

### HONORS AND AWARDS

2016 – current – [The Hoffman Leadership and Responsibility Fellowship Program](#).

2016 Ministry of Science and Technology travel grant for ICMPC conference.

2016 SEMPRES travel award for ICMPC conference.

2014 Best poster selected, Annual conference of Psychology department, HUJI.

2013 ELSC Grant for Student Travel Abroad for SFN conference.

2013 1<sup>st</sup> prize in the Neuro-Music Hack Day, Barcelona.

2012 ELSC Grant for Student Travel Abroad for ESCOM-ICMPC conference.

2009 UPF Grant for non-EU citizens.

2007 Dean's Certificate in recognition of outstanding academic achievements in the academic year. George S. Wise Faculty of Life Sciences, Tel-Aviv University.

2007 Dean's Certificate in recognition of outstanding academic achievements in the academic year. School of Physics and Astronomy, Tel-Aviv University.

### PUBLICATIONS

**Regev, T.**, Nelken, I., Deouell, L.Y. "Evidence for linear but not helical automatic representation of pitch in human auditory system". *Journal of Cognitive Neuroscience*. Dec. 2018. In press. [Preprint](#)

**Regev, T.**, Winawer, J., Gerber, E.M., Knight, R.T., Deouell, L.Y (2018) "Human posterior parietal cortex responds to visual stimuli as early as peristriate occipital cortex." *European Journal of Neuroscience*. [doi:10.1111/ejn.14164](https://doi.org/10.1111/ejn.14164) | [Link to data and code](#)

Wolfenson, H., Lubelski, A., **Regev, T.**, Klafter, J., Henis, Y.I., Geiger, B. (2009) "A Role for the Juxtamembrane Cytoplasm in the Molecular Dynamics of Focal Adhesions." *PLoS ONE*. Volume 4, Issue 1, e4304. [doi:10.1371/journal.pone.0004304](https://doi.org/10.1371/journal.pone.0004304)

January 2019

Madi, A., Friedman, Y., Roth, D., **Regev, T.**, Bransburg-Zabary, S., Ben Jacob, E. (2008)  
"Genome Holography: Deciphering Function-Form Motifs from Gene Expression  
Data." *PLoS ONE*. Volume 3, Issue 7, e2708. [doi:10.1371/journal.pone.0002708](https://doi.org/10.1371/journal.pone.0002708)

## SELECTED CONFERENCE PRESENTATIONS

*Planned for Feb. 2019* – ARO – Baltimore. Talk: "Evidence for linear but not helical automatic representation of pitch in human auditory system".

*Jan. 2019* – ISFN – Acre. [Poster](#): "Context sensitivity of the N1 and P2 components in an unattended tone sequence".

*Feb. 2018* – ISCOPE – Acre. [Poster](#): "Multiple timescale sensitivity of EEG components to statistical features in unattended tone sequences".

*Aug. 2017* – ICON – Amsterdam. [Poster](#): "Automatic representation of pitch in human auditory cortex is linear and not helical".

*Feb. 2017* – ISCOPE – Acre. Music Cognition symposium organization and talk: "Early brain processing of pitch – height versus chroma".

*Jul. 2016* – ICMPC – San-Francisco. [Poster](#): "Is pitch chroma discrimination automatic? – an EEG study".

*Feb. 2015* – ELSC, Ein Gedi. Talk: "Early visual response in human posterior parietal cortex revealed by onset latency estimation using electrocorticographic (ECoG) recordings".

*Nov. 2014* – SFN – San Diego. [Poster](#): "Early visual response in human posterior parietal cortex revealed by onset latency estimation using electrocorticographic (ECoG) recordings".

*Dec. 2012* – ISFN – Eilat. [Poster](#) selected for swift presentation - "Coupling Sound to Movement – Design and Assessment of Learned Auditory-Proprioceptive Integration".

*Jul. 2012* – ICMPC-ESCOM – Thessaloniki. [Poster](#) and spoken presentation – "Sonic Feedback to Movement as Learned Auditory-Proprioceptive Sensory Integration".

## EMPLOYMENT AND TEACHING

*2017 – 2018* – lab manager of Prof. Leon Deouell.

*2013 – 2014* – Hebrew University. TA: 1) Human conscious awareness, 2) Inter-individual differences and socio-political implications.

*2011 – 2012* – Hebrew University. Teacher of assistance classes; Physics for Life Science.

*2008 – 2009* – Tel-Aviv University. Teacher of assistance classes; Physics for Life Science, Math for Business.

*2007* – Tel-Aviv University, Physics of Complex Systems Dept. RA of Prof. Eshel Ben-Jacob.

## VOLUNTEERING

- *2016 - current* - [NeuroTechX](#) - co-founder of [NeurotechTLV](#).
- *2016 - 2019* - [The Garden Library](#). Teaching asylum seekers Hebrew and English.
- *2015 - 2016* - Alpha – the Israeli Gifted Students Program. Tutoring high school students in academic lab projects. Hebrew University.
- *2012 - current* - Lectures to school kids for promoting their interest in brain science.