



Batel Buaron

Curriculum Vitae

Date of birth: June 5th, 1991

batelbuaron@mail.tau.ac.il

Education:

- 2018-present – Ph.D. In Neuroscience, Sagol School of neuroscience, Tel-Aviv University.
Research question: The role of sensory modulation in sensory-motor learning.
Advisor: Prof. Roy Mukamel
- 2015-2018 – MSc. In Neuroscience, Sagol School of neuroscience, Tel-Aviv University.
Thesis title: *"Lateralized Modulation of Self-Triggered Visual Stimuli"*.
Advisor: Prof. Roy Mukamel
- 2012-2015 – BSc. In Psychology and Life-Sciences, Sagol School of Neuroscience, Tel-Aviv University.
- 2006-2009 – High-school graduation (Summa Cum Laude) with full Bagrut certificate.
5 point subjects: Mathematics, English, Computer Sciences, and Psychology.

Academic and professional experience:

- 2016-present – Teaching assistant: *"Physiological Psychology"* first year undergraduate course (~220 students), School of Psychological sciences, Tel-Aviv University.
Responsible for answering students' questions, composing and checking home assignments, and assisting in composing and grading exams.
- 2016- present – Frontal teaching position: *"Physiological Psychology"* undergraduate course (~30 students), "SAWA" project for promoting Arab students, Dean of students, Tel-Aviv University.
- 2018-present – Frontal teaching position: *"Experimental Psychology"* undergraduate course (~30 students), "SAWA" project for promoting Arab students, Dean of students, Tel-Aviv University., Tel-Aviv University.

- 2017 – Frontal teaching position: "*Statistics for nursing*" undergraduate course (~50 students), "SAWA" project for promoting Arab students, Dean of students, Tel-Aviv University., Tel-Aviv University.
- 2016-2017 – Frontal teaching position: "*Statistics for Psychology*" undergraduate course (~50 students), "SAWA" project for promoting Arab students, Dean of students, Tel-Aviv University., Tel-Aviv University.
- 2015 – Research assistant in the lab of Prof. Yonatan Goshen, School of Psychological Sciences, Tel-Aviv University.
Assisted in conducting a behavioral experiment.

Scholars and awards:

- 2018 - Travel award for international conferences, Sagol school of neuroscience and Adams Super-Center for Brain Studies, Tel-Aviv University, Israel

Technical Skills:

Languages: Hebrew, English- Native Speaker, Spanish- Basic

Programming languages: MATLAB, Python

Software: FSL, SPM, BrainVoyager, SPSS, STATISTICA, EEGLab, Psychtoolbox, Microsoft office.

OS: Windows, Linux

Hardware: BioSemi EEG system, SMI eyetracker, Eyelink eyetracker, Arduino

Publications:

Aridan N., Ossmy O., Buaron B., Reznik D. & Mukamel R. (2018), *Suppression of EEG mu rhythm during action observation corresponds with subsequent changes in behavior*, Brain Research 2018 Apr 19. pii: S0006-8993(18)30201-4.
doi:10.1016/j.brainres.2018.04.013

Manuscripts in preparation

Buaron B., Reznik D., Gilron R. & Mukamel R., *Lateralized modulation of self-generated visual stimuli*.

Buaron B.*, Reznik D.*, Koren S. & Mukamel R., *Expected intensity of self-generated sounds is expressed in pre-movement EEG beta desynchronization*.

Reznik D., Cohen N., Buaron B., Zion-Golumbic E. & Mukamel R., *Voluntary Actions Modulate Auditory Perception and Neural Responses to Near-Threshold Sounds*.

Presentations in conferences

Buaron B., Reznik D., Gilron R. & Mukamel R. (May 2018)

Lateralized Modulation of Self-Generated Visual Stimuli. Poster presentation at the 2018 Vision Sciences Society (VSS) Annual meeting, St. Pete Beach, Florida USA.

Buaron B., Reznik D., Gilron R. & Mukamel R. (February 2018)

Lateralized Modulation of Self-Generated Visual Stimuli. Poster presentation at the 5th Conference on Cognition Research of the Israeli Society for Cognitive Psychology Acre, Israel.

Buaron B., Reznik D., Koren S. & Mukamel R. (February 2018)

Expected intensity of self-generated sounds is expressed in pre-movement EEG beta desynchronization. Poster presentation at the 5th Conference on Cognition Research of the Israeli Society for Cognitive Psychology Acre, Israel.

Buaron B., Reznik D., Koren S. & Mukamel R. (December 2017)

Expected intensity of self-generated sounds is expressed in pre-movement EEG beta desynchronization. Poster presentation at the 26th Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.

Reznik D., Buaron B., Zion-Golumbic E. & Mukamel R. (December 2017)

Voluntary Actions Modulate Auditory Perception and Neural Responses to Near-Threshold Sounds. Poster presentation at the 26th Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.

Buaron B. & Mukamel R. (September 2017)

Lateralized Modulation of Self-Generated Visual Stimuli. Talk at the annual meeting of Strauss computational neuro-imaging center, Tel Aviv University.

Buaron B. & Mukamel R. (March 2017)

Lateralized Modulation of Self-Generated Visual Stimuli. Poster presentation at the 13th Karniel Computational Motor Control Workshop, Ben-Gurion University.

Buaron B. & Mukamel R. (February 2017)

Lateralized Modulation of Self-Generated Visual Stimuli. Poster presentation at the 4th Conference on Cognition Research of the Israeli Society for Cognitive Psychology Acre, Israel.

Buaron B. & Mukamel R. (December 2016)

Lateralized Modulation of Self-Generated Visual Stimuli. Poster presentation at the 25th Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.