

Batel Buaron - Curriculum Vitae

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Education:

- 2018-present – Ph.D. In Neuroscience, Sagol School of neuroscience (excellence program), Tel-Aviv University.
- 2015-2018 – M.Sc. In Neuroscience, Sagol School of neuroscience (excellence program), Tel-Aviv University.
- 2012-2015 – B.Sc. In Psychology and Life-Sciences, Sagol School of Neuroscience (excellence program), Tel-Aviv University.

Scholarships and awards:

- 2018-present – Interdisciplinary Doctoral Program in Neuroscience (IDPN), Sagol School of Neuroscience scholarship
- 2023 – Travel award for annual meeting of the Vison Sciences Society (VSS2023)
- 2022 – Travel award for International Conference on Auditory Cortex 2022
- 2022 – Travel award for international conferences, Sagol school of neuroscience and Adams Super-Center for Brain Studies, Tel-Aviv University, Israel
- 2019 – David and Paulina Trotsky scholarship for graduate students, Dean of students Tel-Aviv University, Israel
- 2018 – Travel award for international conferences, Sagol school of neuroscience and Adams Super-Center for Brain Studies, Tel-Aviv University, Israel
- 2015 - 2018 – Interdisciplinary Masters' degree Program in Neuroscience, Sagol School of Neuroscience scholarship

Teaching experience:

- 2016-present – Teaching assistant: "*Physiology of Behavior*" first year undergraduate course (~220 students), School of Psychological sciences, Tel-Aviv University. Responsible for answering students' questions, composing and checking home assignments, and composing and grading exams.
- 2016- present – Frontal teaching position: "*Physiology of Behavior*" undergraduate course (~30 students), "SAWA" project for promoting Arab students, Dean of students, Tel-Aviv University.
- 2018-2019 – Frontal teaching position: "*Experimental Psychology*" undergraduate course (~30 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.

Publications:

- Dery, H. *, Buaron, B.*., Mazinter, R., Lavi, S., & Mukamel, R. (2023), *Playing with your ears: Audio-motor skill learning is sensitive to the lateral relationship between trained hand and ear*, *Isience*, 26(10) (* equal contribution)
- Batel Buaron, Daniel Reznik, Ro'ee Gilron & Roy Mukamel (2020), *Voluntary Actions Modulate Perception and Neural Representation of Action-Consequences in a Hand-Dependent Manner, Cerebral Cortex*, doi:10.1093/cercor/bhaa156
- Aberbach-Goodman S., Buaron B., Mudrik L., Mukamel R. (2022), *Same Action, Different Meaning: Neural Substrates of Action Semantic Meaning*, *Cerebral Cortex*. doi:10.1093/cercor/bhab483
- Reznik D., Cohen N., Buaron B., Zion-Golumbic E. & Mukamel R. (2021), *Action-locked neural responses in auditory cortex to self-generated sounds*, *Cerebral Cortex* 31 (12), 5560-5569. doi:10.1093/cercor/bhab179

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. 2018.04.013 doi:10.1016/j.brainres

Manuscripts in preparation and under review:

Batel Buaron, Daniel Reznik & Roy Mukamel, *Expected intensity of action outcome is embedded in the action's kinetic features*

Batel Buaron & Roy Mukamel, *The Role of Motor Commands in Modulating Auditory Evoked Responses*

Batel Buaron & Roy Mukamel, *Comparing Motor and Auditory Predictive Signals in Visual Cortex*

Shlomit Ben-Ami, Batel Buaron, Ori Yaron, Flip Phillips, Jason Friedman, Pawan Sinha & Roy Mukamel, *Visual shape learning from active tracing using the non-dominant hand*

Guy Baratz, Batel Buaron, Roy Mukamel, *The influence of active tracing on shape representation in visual pathways*

Presentations in international conferences:

Batel Buaron & Roy Mukamel (May 2023), *Comparing Motor and Auditory Predictive Signals in Visual Cortex*, Vision Sciences Society (VSS) Annual meeting, St. Pete Beach, Florida USA

Buaron B. -& Mukamel R. (February 2023)

The role of motor commands in modulating evoked responses. Talk presentation at the 10th Conference on Cognition Research of the Israeli Society for Cognitive Psychology, Acre, Israel

Dery H.*, Buaron B.*, Mazinter R., Lavi S. & Mukamel R. (September 2022)

Learning of Audio-motor skill is sensitive to the lateral relationship between trained hand and ear. Talk presentation at the 7th International Conference on Auditory Cortex, Magdeburg, Germany

Buaron B., & Mukamel R. (September 2022)

The role of motor commands in modulating evoked responses. Poster presentation at the Perception, recognition and control of goal-directed actions symposium, Regensburg, Germany

Buaron B., & Mukamel R. (July 2022)

The role of motor commands in modulation of auditory evoked responses. Poster presentation at the Annual Meeting of the Society for the Neural Control of Movement, Dublin, Ireland

Dery H.*, Buaron B.*, Mazinter R., Lavi S. & Mukamel R. (February 2022)

Audiomotor integration across hands and ears, Motor Learning Symposium at the 9th Conference on Cognition Research of the Israeli Society for Cognitive Psychology, Virtual Conference

Buaron B., Reznik D., & Mukame R. (April 2021)

Expected intensity of action outcome is embedded in action kinematics. Poster presentation at the Annual Meeting of the Society for the Neural Control of Movement, international Virtual Conference.

Buaron B., Reznik D., Gilron R. & Mukamel R. (July 2019)

Lateralized Modulation of Self-Generated Visual Stimuli. Poster presentation at the 7th Progress in Motor Control conference, Amsterdam, Netherlands.

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.