CURRICULUM VITAE
Guy Avraham

September 2023

Email guyavraham@berkeley.edu
Phone +1 718 288 8873

Current Position

Since 1/2023	Assistant project scientist Department of Psychology and Helen Wills Neuroscience Institute, University of California, Berkeley Research area: cognitive aspects of motor behavior Advisor: Richard B Ivry (Cognition and Action Lab)
Since 10/2022	Affiliate researcher Department of Movement Disorders and Neuromodulations, University of California, San Francisco Research area: neuromodulation for cognitive and movement disorders Advisor: Simon Little

Research Interests and Methods

Motor control and motor learning, sensorimotor integration, human-robot interaction, movement disorders, memory, conditioning, affect.
Computational modelling, motor behavior, psychophysics, neuromodulation, functional neuroimaging.

Education

2018-2022	Postdoctoral fellow Department of Psychology and Helen Wills Neuroscience Institute, University of California, Berkeley Research area: cognitive aspects of motor behavior Advisor: Richard B Ivry (Cognition and Action Lab)
2016-2017	Postdoctoral fellow Department of Biomedical Engineering and Department of Brain and Cognitive Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel Thesis title: Delay representation in the sensorimotor system Advisors: Ilana Nisky (Biomedical Robotics Lab) and Lior Shmuelof (Brain and Action Lab)
2012-2016	PhD Department of Biomedical Engineering and Department of Brain and Cognitive Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel Thesis title: Delay representation in the sensorimotor system Advisors: Ilana Nisky, Lior Shmuelof, and Amir Karniel (Computational Motor Control Lab)
2008-2011	MSc Department of Biomedical Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel Thesis title: When Robots Become Humans: Measuring Motor Intelligence Using a Turing-like Handshake Test Advisor: Amir Karniel

2005-2008	BSc Department of Life Science, The Hebrew University of Jerusalem, Jerusalem, Israel.

Other Research Experience

8-10/2013, 8-9/2014, 4-5/2015	Research scholar, The Sensory Motor Performance Program, Rehabilitation Institute of Chicago (currently Shirley Ryan AbilityLab), Chicago, Illinois, USA Research topics: Delay representation in the sensorimotor system Advisor: Ferdinando Mussa-Ivaldi
2007-2008	Undergraduate research student, Department of Neurobiology, the Institute of Life-Science, the Hebrew University of Jerusalem, Jerusalem, Israel Advisor: Adi Mizrahi

Scholarships

2016-2017	A Short-term Post-doctoral scholarship, the Kreitman School for Advanced Graduate Studies, Ben-Gurion University of the Negev
2012-2016	The Negev Fellowship, Faran fellowship program for excellent PhD students, the Kreitman School for Advanced Graduate Studies, Ben-Gurion University of the Negev
2008-2011	Biomedical Engineering Department's Scholarship for Excellence, Ben-Gurion University of the Negev, 2008-2011

Awards

2017	CIFAR Winter School on the Neuroscience of Consciousness Travel Award, the Canadian Institute for Advanced Research
2017	Travel Fellowship, the National Institute for Psychobiology in Israel
2015-2017	Best Poster Awards, the 11^{th}-13^{th} Annual Computational Motor Control Workshops, Beer-Sheva, Israel
2016	Ehud Ben Amitai Research Excellence Award, the Ehud Ben Amitai Foundation
2015	Israeli Association for Automatic Control Travel Grant, the Israeli Association for Automatic Control
2015	Travel Fellowships for PhD and MD Research Students, the National Institute for Psychobiology in Israel
2015	Best Biomedical Engineering Department Undergraduate Project Award, to undergraduate students under my supervision, the Biomedical Engineering Department, Ben-Gurion University of the Negev
2015	Neural Control of Movement (NCM) Scholarship Award, the Society of the Neural Control of Movement, for the NCM's Annual Meeting, Charleston, SC, USA
2015	Best Poster Award, the Zlotowski Center Annual Retreat, Sde Boker, Israel
2014	Best Project Award, the 2014 Summer School in Computational Sensory-Motor Neuroscience, University of Minnesota, Minneapolis, MN, USA
2013	Prof. Rahamimoff Travel Grant for Young Scientists, the United States - Israel Binational Science Foundation
2013	Israeli Association for Automatic Control Travel Grant, from the Israeli Association for Automatic Control
2008	Science Faculty Dean's Award for Excellence, the Hebrew University of Jerusalem

Publications

Preprints and manuscripts under review:

5. Tsay JS, Kim HE, McDougle SD, Taylor JA, Haith AM, **Avraham G**, Krakauer JW, Collins AGE, Ivry RB. Strategic Processes in Sensorimotor Learning: Reasoning, Refinement, and Retrieval. *PsyArXiv*, https://doi.org/10.31234/osf.io/x4652
4. Avraham C, **Avraham G**, Nisky I. Artificial Tactile Stimulation Provides Haptic Cuing in Force Field Adaptation. *BioRxiv*, https://doi.org/10.1101/2023.07.08.548191
3. Wang T, **Avraham G**, Tsay JS, Abram SJ, Ivry RB. Perturbation variability does not influence implicit sensorimotor adaptation. *BioRxiv*, https://doi.org/10.1101/2023.01.27.525949. In revision for *PLoS Biology*.
2. Wang T, **Avraham G**, Tsay JS, Tanvi Thummala, Ivry RB. Advanced feedback enhances sensorimotor adaptation. *BioRxiv*, https://doi.org/10.1101/2022.09.14.508027. In revision for *Current Biology*.
1. Tsay JS, Lee AS, **Avraham G**, Parvin DE, Ho J, Bogges M, Woo R, Nakayama K, Ivry RB. OnPoint: A package for online experiments in motor control and motor learning. *PsyArXiv*, https://doi.org/10.31234/osf.io/hwmpy

Peer-reviewed journals:

16. van Mastrigt NM, Tsay JS, Wang T, **Avraham G**, Abram SJ, van der Kooij K, Smeets JBJ, Ivry RB (2023). Implicit reward-based motor learning. *Experimental Brain Research*, 1-12
15. **Avraham G**, Taylor JA, Breska A, Ivry RB, McDougle SD (2022). Contextual effects in sensorimotor adaptation adhere to associative learning rules. *eLife*, 11:e75801
14. Tsay JS, Lee AS, Ivry RB, **Avraham G** (2021). Moving outside the lab: The viability of conducting sensorimotor learning studies online. *Neurons, Behavior, Data analysis, and Theory*, 5(3): 1-22
13. **Avraham G**, Morehead JR, Kim HE, Ivry RB (2021). Reexposure to a sensorimotor perturbation produces opposite effects on explicit and implicit learning processes. *PLoS Biology*, 19 (3): e3001147
12. Tsay JS, **Avraham G**, Kim HE, Parvin DE, Wang Z, Ivry RB (2021). The effect of Visual Uncertainty on Implicit Motor Adaptation. *Journal of Neurophysiology*, 125 (1): 12-22
11. Kim HE*, **Avraham G***, Ivry RB (2021). The psychology of reaching: action Selection, movement implementation, and sensorimotor learning. *Annual Review of Psychology*, 72 (1): 61-95. *co-first authorship
10. **Avraham G**, Keizman M, Shmuelof L (2020). Environmental consistency modulation of error sensitivity during motor adaptation is explicitly controlled. *Journal of Neurophysiology*, 123 (1): 57-69
9. **Avraham G***, Sulimani E*, Mussa-Ivaldi FA, Nisky I (2019). Effects of visuomotor delays on the control of movement and on perceptual localization in the presence and absence of visual targets. *Journal of Neurophysiology*, 122 (6): 2259-2271. *co-first authorship
8. Avraham C, Dominitz M, Khait H, **Avraham G**, Mussa-Ivaldi FA, Nisky I (2019). Adaptation to Laterally Asymmetrical Visuomotor Delay Has an Effect on Action but not on Perception. *Frontiers in Human Neuroscience*, 13 (312)
7. Avraham C, **Avraham G**, Mussa-Ivaldi FA, Nisky I (2018). Neglect-like Effects on Drawing Symmetry Induced by Adaptation to a Laterally Asymmetric Visuomotor Delay. *Frontiers in Human Neuroscience*, 12 (335)
6. **Avraham G**, Leib R, Pressman A, Simo SS, Karniel A, Shmuelof L, Mussa-Ivaldi FA, Nisky I (2017). State-Based Delay Representation and Its Transfer from a Game of Pong to Reaching and Tracking. *eNeuro*, 4 (6) e0179-17.2017
5. **Avraham G**, Mawase F, Karniel A, Shmuelof L, Donchin O, Mussa-Ivaldi FA, Nisky I (2017). Representing Delayed Force Feedback as a Combination of Current and Delayed States. *Journal of Neurophysiology*, 118 (4): 2110-2131. ***Featured on cover***

4. Reichenthal M, **Avraham G**, Karniel A, Shmuelof L (2016). Target size matters: Target errors contribute to the generalization of implicit visuomotor learning. *Journal of Neurophysiology*, 116 (2): 411-424
3. Nisky I, **Avraham G**, Karniel A (2012). Three Alternatives to Measure the Human Likeness of a Handshake Model in a Turing-like Test. *Presence*, 21 (2): 156-182
2. **Avraham G**, Nisky I, Fernandes HL, Acuna DE, Kording KP, Loeb GE, Karniel A (2012). Towards Perceiving Robots as Humans: Three Handshake Models Face the Turing-like Handshake Test. *IEEE Transactions on Haptics*, 5 (3): 196-207
1. Karniel A, **Avraham G**, Peles B, Levy-Tzedek S, Nisky I (2010). One Dimensional Turing-like Handshake Test for Motor Intelligence. *Journal of Visualized Experiments*, 46: e2492

Peer-reviewed conference proceedings:

5. Wang T, **Avraham G**, Tsay JS, Ivry RB (2021). Why is online feedback more effective than endpoint feedback for sensorimotor adaptation? *Advances in Motor Learning and Motor Control*, online meeting
4. **Avraham G**, Morehead JR, Malaviya M, Kim HE, Ivry RB (2020). Explicit and implicit processes exhibit opposite effects upon relearning a sensorimotor perturbation. *Advances in Motor Learning and Motor Control*, online meeting
3. Tsay JS, **Avraham G**, Parvin DE, Wang Z Kim HE, Ivry RB (2019). The Effect of Visual Uncertainty on Implicit Sensorimotor Adaptation. *Advances in Motor Learning and Motor Control*, Chicago, Illinois, USA
2. Leib R*, Bakker R*, Fasola J*, **Avraham G*** (2014). Adaptation to Delay while Playing Pong: Time or State Representation? *Translational and Computational Motor Control*, Washington, DC, USA. *equal contribution
1. Karniel A, Nisky I, **Avraham G**, Peles B, Levy-Tzedek S (2010). A Turing-like Handshake Test for Motor Intelligence. *International Conference on Human Haptic Sensing and Touch Enabled Computer Applications*, pp. 197-204. Springer, Berlin, Heidelberg.

Talks and Posters Presentations

Invited talks:

2. Movement as a window into cognition. *The Batsheva de Rothschild Seminar on Multisensory Integration in Action*, Galilee, Israel, 2022
1. Motor Memories. *IEEE ICRA 2022 Workshop on Human-centered Autonomy in Medical Robotics*, Philadelphia, PA, USA, 2022

Accepted talks:

* equal contribution

13. van Mastrigt NM, Tsay JS, Wang T, **Avraham G**, Abram SJ, Van Der Kooij K, Smeets JBJ, Ivry RB (2023). Is implicit reward-based motor learning possible? *The 32nd Neural Control of Movement's Annual Meeting*, Victoria, Canada
12. Wang T, **Avraham G**, Tsay JS, Ivry RB (2021). Why is online feedback more effective than endpoint feedback for sensorimotor adaptation? *Advances in Motor Learning and Motor Control*, online meeting
11. **Avraham G**, Morehead JR, Malaviya M, Kim HE, Ivry RB (2020). Explicit and implicit processes exhibit opposite effects upon relearning a sensorimotor perturbation. *Advances in Motor Learning and Motor Control*, online meeting
10. **Avraham G**, Taylor JA, Ivry RB, McDougle SD (2020). Pavlovian principles can provide a new framework to understand sensorimotor learning. *UC Berkeley Neuroscience Conference*, online meeting
9. Tsay JS, **Avraham G**, Parvin DE, Wang Z Kim HE, Ivry RB (2019). The Effect of Visual Uncertainty on Implicit Sensorimotor Adaptation. *Advances in Motor Learning and Motor Control*, Chicago, Illinois, USA

8. Sulimani E, **Avraham G**, Nisky I (2017). The Effects of Sensorimotor Delay on Perception and Action. *The 26th Israel Society for Neuroscience Annual Meeting*, Eilat, Israel
7. **Avraham G**, Leib R, Pressman A, Lucia SS, Karniel A, Shmuelof L, Mussa-Ivaldi FA, Nisky I (2017). Representation of Visuomotor Delay with Current State Information. *The 27th Neural Control of Movement's Annual Meeting*, Dublin, Ireland
6. **Avraham G**, Leib R, Pressman A, Lucia SS, Karniel A, Shmuelof L, Mussa-Ivaldi FA, Nisky I (2017). Delay Representation in the Sensorimotor System. *The Zlotowski Center Annual Retreat, Sde Boker, Israel*
5. Avraham C, **Avraham G**, Nisky I (2016). The Effect of Asymmetrical Visuomotor Delay in Drawing Symmetry. *The 25th Israel Society for Neuroscience Annual Meeting*, Eilat, Israel
4. **Avraham G**, Mawase F, Shmuelof L, Donchin O, Mussa-Ivaldi FA, Nisky I (2015). How Does the Sensorimotor System Represent a Delayed Velocity-Dependent Force Field? *The 25th Neural Control of Movement's Annual Meeting*, Charleston, SC, USA, 2015
3. **Avraham G**, Leib R, Shmuelof L, Donchin O, Nisky I, Mussa-Ivaldi FA (2014). Running Late or Running Behind - Sensory Delay Representation in the Motor System. *The 23rd Israel Society for Neuroscience Annual Meeting*, Eilat, Israel
2. Leib R*, Bakker R*, Fasola J*, **Avraham G*** (2014). Adaptation to Delay while Playing Pong: Time or State Representation? *Translational and Computational Motor Control, Washington*, DC, USA
1. **Avraham G** and Karniel A (2014). Is This a Robot or a Human? A Turing-like Handshake Test for Motor Intelligence. *German-Israeli Minerva School on Cognitive Robotics*, Berlin, Germany

Posters:

30. **Avraham G** and Ivry RB (2022). Interference of motor memories. *The 31st Neural Control of Movement's Annual Meeting*, Dublin, Ireland
29. **Avraham G**, Malaviya M, Ivry RB (2021). Interference underlies the attenuation observed during relearning of a sensorimotor perturbation. *Society for Neuroscience Annual Meeting*, a virtual meeting
28. **Avraham G**, Pakzad SS, Ivry RB (2021). Revisiting sensitivity of implicit visuomotor adaptation to errors of varying magnitude. *The 30th Neural Control of Movement's Annual Meeting*, a virtual meeting
27. Wang T, **Avraham G**, Tsay JS, Ivry RB (2021). Implicit adaptation is attenuated by variability in feedback timing. *The 30th Neural Control of Movement's Annual Meeting*, a virtual meeting
26. **Avraham G**, Parvin DE, Kim HE, Morehead JR, Ivry RB (2019). Desensitization upon Relearning for Implicit Sensorimotor Adaptation. *Society for Neuroscience Annual Meeting*, Chicago, Illinois, USA
25. **Avraham G**, Taylor JA, Ivry RB, McDougle SD (2019). Is Visuomotor Adaptation Classical Conditioning? *The 29th Neural Control of Movement's Annual Meeting*, Toyama, Japan
24. Tsay JS, **Avraham G**, Parvin DE, Wang Z Kim HE, Ivry RB (2019). The Effect of Visual Uncertainty on Implicit Motor Adaptation. *Cognitive Neuroscience Society Annual Meeting*, San Francisco, California, USA
23. **Avraham G**, Parvin DE, Kim HE, Ivry RB (2018). Savings for Implicit Adaptation to Small Errors. *Society for Neuroscience Annual Meeting*, San Diego, California, USA
22. **Avraham G**, Shkedy-Rabani A, Groweiss O, Shmuelof L (2018). The Neural Substrates of Error and Success in Adaptation to Visuomotor Rotation. *The 28th Neural Control of Movement's Annual Meeting*, Santa Fe, New Mexico, USA
21. Sulimani E, **Avraham G**, Mussa-Ivaldi FA, Nisky I (2018). Hypermetria after Exposure to a Visuomotor Delay in a Virtual Game is Caused by Unaware Adaptation of Movement Planning. *The 28th Neural Control of Movement's Annual Meeting*, Santa Fe, New Mexico, USA
20. **Avraham G**, Leib R, Pressman A, Lucia SS, Karniel A, Shmuelof L, Mussa-Ivaldi FA, Nisky I (2017). Representation of Visuomotor Delay as a Spatial Gain Change in Visuomotor Mapping. *The 13th*

Annual Computational Motor Control Workshop, Be'er-Sheva, Israel. §*Selected for Best Poster Award*

19. Avraham C, **Avraham G**, Mussa-Ivaldi FA and Nisky I (2017). Adaptation to Visuomotor Delay Affects Drawing Symmetry. *The 13th Annual Computational Motor Control Workshop*, Be'er-Sheva, Israel
18. **Avraham G**, Leib R, Karniel A, Shmuelof L, Mussa-Ivaldi FA, Nisky I (2016). Visuomotor Delay Representation as a Mechanical System Equivalent. *Space and Time in the Brain*, Jerusalem, Israel.
17. **Avraham G**, Shkedy-Rabani A, Groweiss O, Nisky I and Shmuelof L (2016). The Neural Substrates of Error Processing in face of a Visuomotor Rotation. *Society for Neuroscience Annual Meeting*, San Diego, California, USA
16. **Avraham G**, Mawase F, Karniel A, Shmuelof L, Donchin O, Mussa-Ivaldi FA and Nisky I (2016). Representation of a Delayed Feedback as a Combination of Current and Delayed States. *The 12th Annual Computational Motor Control Workshop*, Be'er-Sheva, Israel. §*Selected for Best Poster Award*
15. Avraham C, **Avraham G**, Mussa-Ivaldi FA and Nisky I (2016). Disruption in Simultaneity Representation in Multi-Sensory Integration – a Model for the Hemispatial Neglect Syndrome. *The 12th Annual Computational Motor Control Workshop*, Be'er-Sheva, Israel
14. **Avraham G**, Shmuelof L, Mussa-Ivaldi FA and Nisky I (2016). Interception Kinematics in the Presence of a Visuomotor Delay. *The Zlotowski Center Annual Retreat*, Sde Boker, Israel
13. Sulimani E, Weiss R, **Avraham G**, Nisky I (2016). Perception of hand location, unlike action, is not affected by an adaptation to a sensorimotor delay. *The Zlotowski Center Annual Retreat*, Sde Boker, Israel
12. **Avraham G**, Farshchiansadegh A, Karniel A, Donchin O, Shmuelof L, Mussa-Ivaldi FA, Nisky I (2015). Does a Representation of Sensory Delays in the Motor System Depend on the Magnitude of the Delay? *Society for Neuroscience Annual Meeting, Chicago, Illinois, USA*
11. **Avraham G**, Farshchiansadegh A, Karniel A, Donchin O, Shmuelof L, Mussa-Ivaldi FA, Nisky I (2015). Representations of Different Magnitudes of Sensory Delay in the Motor System. *The 11th Annual Computational Motor Control Workshop*, Be'er-Sheva, Israel. §*Selected for Best Poster Award*
10. Sulimani E, Weiss R, **Avraham G**, Nisky I (2015). Is the perception of Hand Location Affected by Adaptation to Sensorimotor Delay? *The 11th Annual Computational Motor Control Workshop*, Be'er-Sheva, Israel
9. **Avraham G**, Mawase F, Shmuelof L, Donchin O, Mussa-Ivaldi FA and Nisky I (2015). Adaptation to a Delayed Velocity-Dependent Force Field Involves a Representation of Both Non-Delayed and Delayed Motor Primitives. *The Zlotowski Center Annual Retreat*, Sde Boker, Israel. §*Selected for Best Poster Award*
8. **Avraham G**, Shmuelof L, Mussa-Ivaldi FA, Karniel A (2014). Playing in a Delayed Environment and its Impact on State Representation during a Blind Tracking Task. *The 10th Annual Computational Motor Control Workshop*, Be'er-Sheva, Israel
7. Zigelboim A, Matz G, **Avraham G**, Mussa-Ivaldi FA, Karniel A (2014). The Effect of Space Variant Delay on Proprioceptive Space Recalibration. *The 10th Annual Computational Motor Control Workshop*, Be'er-Sheva, Israel
6. **Avraham G**, Mussa-Ivaldi FA, Karniel A (2014). When Simultaneity Breaks Down, How it Affects Our Representation of State? *German-Israeli Minerva School on Cognitive Robotics*, Berlin, Germany
5. **Avraham G**, Mussa-Ivaldi FA, Karniel A (2013). Dealing with Delay while Playing Pong- Simultaneity and State Representation. *Society for Neuroscience Annual Meeting*, San Diego, California, USA
4. **Avraham G**, Nisky I, Karniel A (2011). When Robots Become Humans: A Turing-like Handshake Test. *The 7th Annual Computational Motor Control Workshop*, Be'er-Sheva, Israel
3. **Avraham G**, Levy-Tzedek S, Peles B, Bar-Haim S, Karniel A (2010). Reduced Frequency Variability in Handshake Movements of Individuals with Cerebral Palsy. *The 6th Annual Computational Motor Control Workshop*, Be'er-Sheva, Israel

2. **Avraham G**, Levy-Tzedek S, Karniel A (2010). The Turing-like Handshake Test and the Rhythmic Nature of the Handshake Movement. *The 20th Annual Neural Control of Movement Conference*, Naples, Florida, USA
1. **Avraham G**, Levy-Tzedek S, Karniel A (2009). Exploring the Rhythmic Nature of Handshake Movement and a Turing-like Test. *The 5th Annual Computational Motor Control Workshop*, Be'er-Sheva, Israel

Professional Experience

Reviewer

Journals:	eLife (reviewing editor and reviewer); Current Biology; Journal of Neuroscience; Journal of Cognitive Neuroscience; NeuroImage; Cerebral Cortex; Journal of Neurophysiology; IEEE Transactions on Biomedical Engineering; Memory and Cognition; Scientific Reports; PLoS One; Experimental Brain Research; Brain Structure and Function; iScience; Psychonomic Bulletin & Review; Journal of Experimental Psychology: Human Perception and Performance; Attention, Perception & Psychophysics; J NeuroEngineering and Rehabilitation; Journal of Psychiatric Research
Conferences:	CogSci; IEEE World Haptics; ACM/IEEE International Conference on Human-Robot Interaction
Theses:	PhD Dissertation: Macquarie University, Australia

Teaching Experience

2013-2017	**Lecturer**. Cell Biology for undergraduate students in biomedical engineering. Department of Biomedical Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel
2014-2017	**Teaching lab coordinator**. Biomedical Processes laboratory. Department of Biomedical Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel
2014-2016	**Teaching assistant**. Biomechanics laboratory.
2013-2016	**Teaching assistant**. Biomedical laboratory.
2010-2011	**Teaching assistant**. Biomedical Processes laboratory. Department of Biomedical Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel

Mentoring Experience

2021-2022	**Sana Pandey.** Contextual effects in motor adaptation. Undergraduate student in the Departments of Cognitive Science, University of California, Berkeley, Berkeley, USA
2020-2022	**Aaron Shalf.** An associative learning account of motor adaptation. Undergraduate student in the Departments of Cognitive Science and Computer Science, University of California, Berkeley, Berkeley, USA
2019-2022	**Sarvenaz S Pakzad.** Sensitivity of implicit adaptation to errors of varying magnitudes. (*Honors thesis*) Undergraduate student in the Department of Cognitive Science, University of California, Berkeley, Berkeley, USA
2018-2021	**Utsav Kapoor.** Contextual effects in motor adaptation. Undergraduate student in the Department of Molecular and Cell Biology, University of California, Berkeley, Berkeley, USA
2018-2021	**Maya Malaviya.** Interference of sensorimotor memories. (*Honors thesis*) Undergraduate student in the Department of Cognitive Science, University of California, Berkeley, Berkeley, USA

2017-2018	**Matan Keizman.** The Effects of Environmental Consistency and Awareness on Sensitivity to Errors During Motor Adaptation. Undergraduate student in the Department of Biomedical Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel
2015-2016	**Chen Avraham.** Disruption in Simultaneity Representation in Multisensory Integration- a Model for the Hemispatial Neglect Syndrome. Undergraduate student in the Department of Biomedical Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel
2014-2015	**Erez Sulimani and Ran Weiss.** The Effect of Sensorimotor Delay on the Perception of Hand Location. (*Selected for Best Undergrad Project Award*) Undergraduate students in the Department of Biomedical Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel
2013-2014	**Adir Zigelboim and Gil Matz.** The Effect of Space Variant Delay on Proprioceptive Space Recalibration. Undergraduate students in the Department of Biomedical Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel
2009-2010	**Bat-chen Peles.** A Turing Like Human-Robot Handshake Test. Undergraduate student in the Department of Biomedical Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel

Professional courses

07-Dec-2017 - 10-Dec-2017	CIFAR Winter School on the Neuroscience of Consciousness, Montebello, Quebec, Canada
03-Aug-2014 - 17-Aug-2014	Summer School in Computational Sensory-Motor Neuroscience, University of Minnesota, Minneapolis
24-Feb-2014 - 27-Feb-2014	German-Israeli Minerva School on Cognitive Robotics, Berlin, Germany

Volunteering Experience

2015-2017	**Hoshen: Education & Change**. Hoshen is the education and information center of the LGBT (Lesbian, Gay, Bisexual & Transgender) community in Israel. It is a nationwide, non-profit organization whose purpose is to fight stereotypes regarding sexual orientation and gender identity. As part of my volunteering work, I deliver educational activities, mainly to high school students, which includes sharing my own personal story.