Tuesday, February 18, 2020

CURRICULUM VITAE

NAME: Uri M. Maoz
ADDRESS: Chapman University,
One University Drive
Orange, CA 92866, USA
TEL.: +1-714-289-2061
EMAIL: maoz@chapman.edu, urimaoz@ucla.edu, urim@caltech.edu
WEBSITE: https://www.chapman.edu/our-faculty/uri-maoz,
https://braininstitute.us/people/uri-maoz

Keywords: Volition, Decision Making, Machine Learning, Artificial Intelligence, Real-Time Analysis, Voluntary Action, Neuroethics, Motor Control, Free Will, Moral Responsibility

Assistant Professor of Computational Neuroscience and Psychology, Chapman University

Current Positions

July 2019	Affiliate Faculty, Fowler School of Engineering, Chapman University
January 2019	Visiting Associate in Biology and Bioengineering, California Institute of Technology (Caltech)
February 2018	Visiting Assistant Professor, University of California Los Angeles (UCLA) Anderson School of Management
September 2017	Assistant Professor of Computational Neuroscience, Crean College of Health and Behavioral Sciences, and Schmid College of Science and Technology, and the Institute for Interdisciplinary Brain and Behavioral Sciences, Chapman University
January 2017	Affiliated Faculty, Behavioral Decision-Making, UCLA Anderson School of Management

Past Positions

2018-2019	Visiting Assistant Professor	UCLA Geffen School of Medicine
2015-2018	Visiting Researcher in Neuroscience	Caltech
2015-2017	Assistant Adjunct Professor	Department of Psychology, UCLA
2013-2017	Bial Fellow	Bial Foundation, Portugal
2015	Assistant Research Professor	Department of Neurosurgery, School of Medicine, UCLA
2010-2014	Visiting Postdoctoral Scientist	Department of Neurosurgery, Cedars Sinai Medical Center

2009-2014	Postdoctoral Scholar	Division of Biology, Caltech
2007-2009	Postdoctoral Fellow	Department of Computer Science and Applied Mathematics, Weizmann Institute of Science, Rehovot, Israel
2007-2008	Research Group Leader	Van Leer Jerusalem Institute, Israel
2003, 2004	Visiting PhD Student	Perception and Action Lab of Prof. Alain Berthoz, College de France, Paris, France
2002-2007	Visiting PhD Student	Department of Computer Science and Applied Mathematics, Weizmann Institute of Science, Rehovot, Israel
2000-2008	PhD Student	Interdisciplinary Center for Neural Computation, Hebrew University of Jerusalem, Israel

Postdoctoral Research Advisors

2013-2014	Ralph Adolphs, California Institute of Technology
2012-2013	Christof Koch and Ralph Adolphs, California Institute of Technology
2009-2012	Christof Koch, California Institute of Technology
2008-2009	Shimon Ullman, Weizmann Institute of Science
2007-2008	Tamar Flash, Weizmann Institute of Science

PhD Advisors

2002-2008	Tamar Flash, Weizmann Institute of Science; and Yair Weiss, Hebrew University of Jerusalem

Education

2008	PhD in Neural Computation	Interdisciplinary Center for Neural Computation Hebrew University of Jerusalem, Israel
2000	BSc (cum laude)	Computer Science and Amirim, Hebrew University's Signature Interdisciplinary Honors Program in Social Sciences and Humanities

Chairing Symposia

2014	Chair "Human Decision-Making: Neural Mechanisms" Nanosymposium, Society for Neuroscience (SfN) meeting, 2014
2013	Chair "Feeling, Consciousness and decision-making" concurrent session, 17th meeting of the Association for the Scientific Study of Consciousness (ASSC)

Organizing Symposia

2019	2nd International Conference on the Neuroscience of Free Will, Southern California
2017	International Conference on Free Will, Sigtuna, Sweden (with Hans Liljenstrom)
2009	Neuroscience and Society—Mutual Influences and Criticism, Van Leer Jerusalem Institute

Summer Schools

6/2018	Speaker, Summer Seminars in Neuroscience and Philosophy (SSNAP), Duke University
7/2017	Speaker, "Neural correlates of volition", International Max Planck Research School on Neuroscience of Communication: Function, Structure, and Plasticity, University College London
7/2013	Speaker, "Cognitive Neuroscience and Criminal Responsibility", Summer Institute in Cognitive Neuroscience, Lake Tahoe, California

Editorial Board

Frontiers in Human Neuroscience

Ad-Hoc Reviewing

Behavioral Sciences, Brain Sciences, Cerebral Cortex, Cognition and Consciousness, eNeuro, Frontiers in Consciousness Research, IEEE Intelligent Systems, Journal of Neuroscience, Neuroscience of Consciousness, Philosophical Psychology, PNAS, Psychological Science

Teaching

2020	*Data Mining* (15-week graduate course), Computational and Data Sciences, Chapman
2019	*Philosophy and Neurosciences of Free Will and Moral Responsibility* (15-week course)
	Workshop on Deep Learning, Master of Science in Business Analytics, UCLA Anderson School of Management
	Data Mining (15-week graduate course), Computational and Data Sciences, Chapman
2018	*Philosophy and Neurosciences of Free Will and Moral Responsibility* (15-week course), Psych & Phil, winner 2018-2019 Chapman Co-Teaching Competition Award*
	Data Mining (15-week graduate course), Computational and Data Sciences, Chapman
	Psychology of Learning (15-week course), Psych. Dept., Chapman
	Workshop on Deep Learning as part of "Industry Seminars" in Master of Science in Business Analytics, UCLA Anderson School of Management*
2017	*Machine-Learning in Brain Science* (10-week course), Psych. Dept., UCLA*
	Advanced Topics in Matlab Programming (10-week course), Psych. Dept., UCLA*
	Free Will and Moral Responsibility, from Neuroscience to Philosophy and Back (10-week graduate/undergraduate course), Honors Collegium, UCLA*
	Laboratory in Cognitive Psychology (10-week course), Psych. Dept., UCLA
2016	*Laboratory in Cognitive Psychology* (10-week course), Psych. Dept., UCLA
	Human Memory (10-week course), Psych. Dept., UCLA
	Matlab Programming for Behavioral Sciences (10-week course), Psych. Dept., UCLA ×3
2015	*Matlab Programming for Behavioral Sciences* (10-week course), Psych. Dept., UCLA
	Human Memory (10-week course), Psych. Dept., UCLA
2010	*Free-Will & Decision-Making* (class), Neurobiological Basis of Consciousness course, Caltech

2005	*Between Mind, Brain and Culture* (14-week course), Hebrew University of Jerusalem*
2004	*Legal Thought* (14-week course), Teaching Assistant, Hebrew University of Jerusalem
2003	*Cognition and Computation* (14-week course), Teaching Assistant, Hebrew University of Jerusalem

* New course, designed from scratch

Supervision

2019	5 Graduate Students (as Ph.D. advisor); 1 Graduate Student (as M.S. advisor), 3 full-time, postbaccalaureate students; 15 Research Assistants; Chapman
2018	5 Graduate Students (as Ph.D. advisor), 14 Research Assistants (3 graduate students, 10 undergraduate students, 1 paid RA, Chapman
2017	2 Graduate Students (as advisor), 6 Research Assistants (3 undergraduate students, 3 volunteers), Chapman 3 Graduate Students (co-mentoring), 11 Research Assistants (7 undergraduate students, 4 volunteers), UCLA
2016	1 Graduate Student (co-mentoring), 9 Research Assistants (5 undergraduate students, 4 volunteers), UCLA
2015	10 Research Assistants (8 undergraduate students, 2 volunteers), UCLA
2011-2014	3 Postdoctoral Scholars (co-mentoring), Caltech
2013-2014	2 Research Assistants, Caltech
2012-2013	3 Research Assistants, Caltech
2011-2014	1 Graduate Student, Caltech
2013	3 Undergraduate Students, Caltech
2012	4 Undergraduate Students, Caltech
2011	2 Undergraduate Students, Caltech
2008	1 M.S. Student (assistant mentor), Weizmann Institute of Science

Grants and Funding

2019-2021	Co-Principal Investigator	Kay Family Foundation Data Analytic Grant	$100,000
2019	Principal Investigator	Fetzer Pioneers award	$43,815
2019-2023	Project Leader	Consciousness and Free Will: A Joint Neuroscientific-Philosophical Investigation (Joint Grant: John Templeton Foundation, Fetzer Institute, Fetzer Memorial Trust)	$7,201,821
2017-Present	Co-Principal Investigator	Caltech Chen Center Competitive Internal Grant	$40,000
2018-Present	Principal Investigator	Boston Scientific Sponsored Research Award	$53,000
2015-2017	Sole & Principal Investigator	BIAL Foundation	€48,500 (Euros)

2013-2014	Co-Principal Investigator	Ralph Schlaeger Charitable Foundation	$60,000
2013-2014	Principal Investigator	BIAL Foundation	€49,000 (Euros)
2011-2013	Principal Investigator	Big Questions in Free Will Initiative, Florida State University and John Templeton Foundation	$399,207
2011-2012	Co-Principal Investigator	Ralph Schlaeger Charitable Foundation	$91,296

Fellowships and Awards

2020	Competitive Plenary Session Award	24th Meeting of the Association for the Scientific Study of Consciousness (ASSC 24)	Registration fee waive
2018	Chapman Co-Teaching Award for "Philosophy and Neurosciences of Free Will and Moral Responsibility" course	Chapman Faculty Research and Development Council (w/ Dr. Michael Robinson from Philosophy Department)	Teaching reduction
2017	UCLA Summer Institute on Scientific Teaching (competitive admission)	UCLA Center for Education Innovation and Learning the Sciences	
2017	UCLA Faculty Learning Program in STEM Education (competitive admission)	UCLA Center for Education Innovation and Learning the Sciences	$1500
2017	Competitive course proposal: Neuroscience & Philosophy	UCLA Honors Collegium (w/ Dr. Pamela Hieronymi from Philosophy Department)	Quarterly salary
2016	Best Oral Presentation	2016 World Institute of Pain Congress (co-author)	
2016	Department Teaching Award, Nomination	Department of Psychology, UCLA	
2014	Merit-Based Travel Award for Poster	2nd Human Single Neuron Recording Conference	$500
2012	Best Poster Award	10th European Congress on Epileptology (co-author)	
2008-2009	Full Postdoctoral Dean Fellowship	Weizmann Institute of Science	$ 25,000
2006	Best Poster Award (first prize)	Second International Computational Motor Control Workshop (ICMC2)	$ 400
2005-2006	Andrew Rogers Fellowship	Hebrew University of Jerusalem	$ 20,000
2003-2004	Dean Fellowship	Hebrew University of Jerusalem	$ 10,000

2000-2005	Merit-Based Scholarship & Stipend	Hebrew University of Jerusalem	$ 50,000
1999-2000	Industrial Research Project Scholarship	Israel Ministry of Industry, Trade & Labor, Jerusalem Municipality and BioMedicom	$ 12,500
1996-1999	Merit-Based Scholarship & Stipend	Hebrew University of Jerusalem	$ 3,000

Publications (self in **bold**, lab members underlined)

1. Lashgari E, Liang D, **Maoz, U**. Data Augmentation for Deep Learning-Based Electroencephalography. *Submitted*
2. Lashgari E, Pouya A, **Maoz, U**. Decoding Object Weight from Electromyography during Human Grasping. *Submitted*
3. Lashgari E, **Maoz, U**. Electromyography Classification during Reach-to-Grasp Motion using Manifold Learning. *Submitted*
4. Wong SM, Merholz-Revel G, **Maoz U**. Can randomness be implicitly learned? On transferring the ability to create random sequences. *Submitted*
5. Chandravadia N, Liang D, Carlson A, Schjetan A, Faraut M, Chung J, Reed C, Dichter B, **Maoz U**, Kalia S, Valiante T, Mamelak A, Rutishauser U. A NWB-based Dataset and Processing Pipeline of Human Single-Neuron Activity During a Declarative Memory Task. *Scientific Data (accepted)*
6. Hill B, Brown B, Gabel E, Lee C, Cannesson M, Loohuis L, Johnson R, Jew B, **Maoz U**, Mahajan A, Sankararaman S, Hofer I, Halperin E. (2019) Preoperative predictions of in-hospital mortality using electronic medical record data. *British Journal of Anaesthesia*. 123(6):877-886
7. Mudrik, L, Levy, JD, Gavenas, J, & **Maoz, U**. (2019) Studying volition with actions that matter: combining the fields of neuroeconomics and the neuroscience of volition, *Psychology of Consciousness: Theory, Research, and Practice*
8. **Maoz U**, Yaffe G, Koch C and Mudrik L. (2019) Neural precursors of decisions that matter—an ERP study of deliberate and arbitrary choice. *eLife* (previously available as a *bioRxiv* preprint)
9. Oh J, Yun K, **Maoz U**, Kim T, Chae J. (2019) Identifying Depression in the National Health and Nutrition Examination Survey Data using a Deep Learning Algorithm. *Journal of Affective Disorders* (257)
10. **Maoz U**, Sita K, Van Boxtel J and Mudrik L. (2019) Does it matter whether you or your brain did it? An empirical investigation of the influence of the double subject fallacy on moral responsibility judgments. *Frontiers Psychology*.
11. **Maoz U** and Listead E. (2019) Brain imaging and artificial intelligence, in Raz A. and Thibault R., (Eds). *The Dark Side of Brain Imaging*. Elsevier Press.
12. Titiz AS, Hill MRH, Mankin EA, Agahajan ZM, Eliashiv D, Tchemodanov N, **Maoz U**, Stern J, Tran M, Mankin E, Behnke E, Suthana, NA, Fried I. (2017) Theta-Burst Microstimulation in the Human Entorhinal Area Improves Memory. *eLife*

13. **Maoz U** and Yaffe G (2015) What Does Recent Neuroscience Tell Us About Criminal Responsibility? *Journal of Law and the Biosciences*, 3(1): 120-139
14. **Maoz U**, Mudrik L, Rivlin R, Ross I, Mamelak A and Yaffe G (2015) On reporting the onset of the intention to move, in Alfred R. Mele, (Ed). *Surrounding Free Will: Philosophy, Psychology, Neuroscience*. Oxford University Press, 184-202
15. Mudrik L and **Maoz U** (2014) "Me & my brain": Exposing neuroscience's closet dualism in studies of consciousness and free will. *Journal of Cognitive Neuroscience*, 27(2): 211-221
16. **Maoz U** and Flash T. (2014) Spatial constant equi-affine speed and motion perception *Journal of Neurophysiology*, 111(2)**:** 336-349
17. **Maoz U** and Yaffe G, Neuroscience and the Law (2013), in Gazzaniga et al. (Eds.), *Cognitive Neuroscience*, The Biology of Mind 4th Edition, Norton & Company, 1025-1033
18. **Maoz U**, Rutishauser U, Kim S, Cai X, Lee D and Koch C (2013) Predeliberation activity in prefrontal cortex and striatum and the prediction of subsequent value judgment, *Front. Neurosci.* 7:225.

    Featured in spotlight: Hunt, L. T. (2014). What are the neural origins of choice variability? *Trends in cognitive sciences*. 18(5): 222-224
19. **Maoz U**, Ye S, Ross I, Mamelak A and Koch C (2012) Predicting Action Content On-Line and in Real Time before Action Onset – an Intracranial Human Study. *Advances in Neural Information Processing Systems* **25** MIT Press, 872-880.
20. Flash T, **Maoz U** and Polyakov F (2009) Arm Trajectory Formation, in Binder MD, Hirokawa N, Windhorst U and Hirsch MC (Eds.), *Encyclopedia of Neuroscience*, Springer
21. **Maoz U**, Berthoz A and Flash T (2009) Complex Unconstrained Three-Dimensional Hand Movement and Constant Equi-Affine Speed, *Journal of Neurophysiology*, 101(2)**:** 1002-1015
22. Pollick FE*, **Maoz U***, Giblin PJ, Handzel AA, Giblin PJ, Sapiro G and Flash T (2009) Three-dimensional arm movements at constant equi-affine speed. *Cortex* 45(3)**:** 325-339
23. **Maoz U**, Portugaly E, Flash T and Weiss Y (2005) Noise and the two-thirds power law. *Advances in Neural Information Processing Systems* 18 MIT Press

* Equal contribution

Plenary Conference Talks/Sessions

- **Maoz U**, Haggard P, Roskies, A, Mudrik, L, and Schurger A (06/2020) What is the relation between conscious intention and action formation? Empirical, modeling, and philosophical perspectives. *24th Annual Meeting of the Association for the Scientific Study of Consciousness*
    - Individual talk title: The experience of intending and the neural underpinnings of arbitrary & deliberate action
- **Maoz U**, Sinnott-Armstrong W, Schurger A, and Isham E (04/2020) Free will and the role of consciousness in decision-making, Science of Consciousness
    - Individual talk title: On the role of consciousness in deliberate decisions

Conference and Invited Talks

- Society for Brain Mapping and Therapeutics (SBMT) MEG/EEG Conference 2020 (03/2020) "Studying volition by combining EEG with physiological monitoring, TMS, flotation tank, and other measures"
- Bioethics Symposium, UCLA (11/2019) "Conceptual Clarity in the Neuroscience of Volition" (with Pamela Hieronymi)
- Debate with Philosopher Mark Balaguer, Cal State LA (10/2019) "Neuroscience and Free Will"
- Montreal Neurological Institute (MNI), McGill University, Canada (08/2019) "One Perspective on the Neuroscience of Volition"
- Computational Neuroscience Affinity Group, Brain Research Institute, UCLA, (05/2019), "The readiness potential in arbitrary and deliberate decisions—a modeling perspective"
- Second International Conference on Neuroscience and Free Will, Southern California, (3/2019) "Do the Libet results generalize to deliberate decisions?"
- 22nd Annual Meeting of the Association for the Scientific Study of Consciousness, ASSC 22, (6/2018), "On the role of consciousness in arbitrary and deliberate decisions—an ERP study"
- Summer Seminars in Neuroscience and Philosophy (SSNAP), Duke University (6/2018), "The neuroscience of volition for decisions that do and do not matter"
- Brain Science and Gratitude, Mindfulness, and Spiritual Practices: Implications for the University, Chapman University (10/2017) "Are our intentions effective? The neuroscience of free will and moral responsibility"
- IMPRS NeuroCom/ICN Summer School, London, UK (7/2017) "The neuroscience of volition in deliberate and arbitrary decision-making"
- International Conference on Neuroscience and Free Will, Sigtuna, Sweden (6/2017) "Randomness, Competition, and Implicit Learning"
- Behavioral Decision-Making Forum, UCLA Anderson School of management (3/2017) "Neural mechanisms of arbitrary and deliberate decisions"
- Program on Understanding Law, Science, and Evidence Conference, UCLA Law School (3/2017) "Neuroscience and Criminal Responsibility"
- Society for Neuroscience (SfN) Annual Symposium (11/2014) "Predicting actions in speeded reaction-time and delayed-action tasks, an intracortical human study" (Chair, "Human Decision-Making: Neural Mechanisms" Nanosymposium)
- Cognitive Forum of the University of California Los Angeles (2/2014) "Neural Precursors of Decisions that Matter – Single-Neuron, Intracortical & ERP Studies"
- Big Questions in Free Will Symposium, Florida State University (1/2013) "On the Neural Representation of Deliberate and Random Decisions"
- Weizmann Institute of Science (10/2013) "Is Consciousness Involved in Deliberate Decision Making? Evidence from Intracranial Recordings"
- 17th Annual Meeting of the Association for the Scientific Study of Consciousness, ASSC 17 (7/2013) "Is Consciousness Involved in Deliberate Decision-Making? Evidence from Intracranial Recordings" (Concurrent session chair)
- Tahoe Summer School in Cognitive Neuroscience (7/2013) "Cognitive Neuroscience and Criminal Responsibility"

- Big Questions in Free Will Symposium, Florida State University (1/2013) "Reasoned Decisions and the Causal Role of Intentions"
- SAGE Center Forum, University of California Santa Barbara (5/2012) "On Predicting Decisions and Actions, An Intracranial Study in Monkeys and Humans"
- Eidgenössische Technische Hochschule (ETH) Zurich (4/2012) "Predicting Decisions and Actions from Intracranial Signals in Monkeys and Humans"
- Bern University (4/2012) "Predicting Decisions and Actions, Intracranial Studies in Monkeys and Humans"
- Big Questions in Free Will Symposium, Florida State University (1/2012) "Intracranial Study of Free Will and Moral Responsibility"
- Memory and Decision Forum, Stanford University (9/2011) "Neural Prejudice: Prestimulus Activity in the Dorsolateral Prefrontal Cortex Predicts Subsequent Value Judgment"
- Weizmann Institute of Science (4/2011) "Neural Prejudice: Prestimulus Activity in the Dorsolateral Prefrontal Cortex Biases Subsequent Value Judgment"
- Bar Ilan University (4/2011) "Neural Prejudice: Prestimulus Activity in the Dorsolateral Prefrontal Cortex Biases Subsequent Value Judgment"
- Moral Responsibility: Neuroscience, Organization & Engineering, Delft, Netherlands (8/2009) "Deliberation on Deliberation: Moral Responsibility after Libet"
- University of Cambridge (2/2007) "Noise, Smoothness and the Two-Thirds Power Law"
- College de France (6/2005) "Power Laws of Three-Dimensional Hand Movement"
- Massachusetts Institute of Technology (4/2004) "Invariants of Three-Dimensional Movement"

Selected Conference Abstracts

- **Maoz U**, Mudrik L (2019) Closet dualism and neuroscience—the implicit effect of philosophical world view on science. *Metascience Symposium, The Emerging Field of Research on the Scientific Process*
- Pak J, Willey, C, Akram N, **Maoz U** (2018) Does people's general opinion of autonomous vehicles influence how they perceive the quality of driving? *48th Annual Meeting of the Society for Neuroscience*
- Lashgari E and **Maoz U** (2018) Unsupervised learning techniques for electromyography classification. *48th Annual Meeting of the Society for Neuroscience*
- Wong SM, Merholz-Revel G, **Maoz U** (2018) Generalization of human random behavior. *48th Annual Meeting of the Society for Neuroscience*
- Wong SM, Zhang X, Samad M, Ziari N, **Maoz U** (2018) Changes in perceived time of intention and movement onset in arbitrary and deliberate decisions. *48th Annual Meeting of the Society for Neuroscience*
- Wong SM, Merholz-Revel G, Raz A, **Maoz U** (2018) Can People Learn to Be Random? *98th Annual Convention of the Western Psychological Association*
- Wong SM, Zhang X, Samad M, Ziari N, Raz A, **Maoz U** (2018) Effects of Decision Type on Perceived Time of Intention Onset. *98th Annual Convention of the Western Psychological Association*

- Sita K, Mudrik L, van Boxtel J, Yaffe G, **Maoz U** (2017) The Double Subject Fallacy: Neuroscience, Closet Dualism, and Defendant Culpability? *47th Annual Meeting of the Society for Neuroscience*
- Wong SM, Ziari N, Samad M, **Maoz U** (2017) More on timing the onset of the decision to move in arbitrary and deliberate decisions. *Sigtuna Conference on Free Will*
- Sita K and **Maoz U** (2017) The Double Subject Fallacy: The Effect of Neuroscientific Closet Dualism on Assigning Criminal Responsibility. University of California San Diego *Psi Chi Undergraduate Research Conference*
- **Maoz U** and Merholz G (2016) Can random number generation be taught implicitly? *46th Annual Meeting of the Society for Neuroscience*
- Ziari N, Wong SM, Samad M and **Maoz U** (2016) Timing the onset of the decision to move in arbitrary and deliberate decisions. *46th Annual Meeting of the Society for Neuroscience*
- R. Rauck, **U. Maoz**, N. Mekel-Bobrov (2016) Different Mechanisms of Action Between Paresthesia and Paresthesia-Free SCS: A PET Study (Best poster award)
- **Maoz U**, Mudrik L, Rivlin R, Yaffe G, Adolphs R and Koch C, Neural precursors of decisions that matter – an ERP study of the role of consciousness in deliberate and random choices (2015), *37th Annual Meeting of the Cognitive Science Society*
- **Maoz U**, Mudrik L, Ye S, Eliashiv D, Chung J, Ross I, Mamelak A and Koch C (2013) Predicting deliberate decisions in a competitive environment from neural signals – an intracranial human study. *43rd Annual Meeting of the Society for Neuroscience*
- **Maoz U**, Mudrik L, Ye S, Eliashiv D, Chung J, Ross I, Mamelak A, Adolphs R, Yaffe G and Koch C (2013) Is consciousness involved in deliberate decision-making? Evidence from intracranial recordings. *17th Annual Meeting of the Association for the Scientific Study of Consciousness* (Oral presentation)
- Jefferson J, **Maoz U**, Tsuchiya N, Tudusciuc O, Ye S, Tsimerinov E, Mamelak A, Eliashiv D, Chung J (2013) Alpha-gamma Frequencies and Their Possible Role in Seizure Evolution, *Neurology*
- Chung J, **Maoz U**, Tsuchiya N, Tudusciuc O, Ye S, Mamelak A, Eliashiv D (2012) Intracranial EEG Ictal Onset Frequency: High or Low? *10th European Congress on Epileptology* (Best-poster award)
- **Maoz U**, Ye S, Ross I, Mamelak A and Koch C. (2012) An Intracortical Study of Online Realtime Action-Content Prediction in Patients. *40th Neural Interfaces Conference*
- **Maoz U**, Kim S, Rutishauser U, Lee D and Koch C (2010) Neural Prejudice – Single Neuron Representation of Biased Competition for Value-Based Decision Making in the Primate Dorsolateral Prefrontal Cortex. *17th Joint Symposium on Neural Computation*
- Rivlin R and **Maoz U** (2009) Deliberation on Deliberation: Moral Responsibility after Libet. *Moral Responsibility: Neuroscience, Organization & Engineering*
- **Maoz U**, Arieli A, Ullman S and Koch C (2008) Using single-trial EEG data to predict laterality of voluntary motor decisions. *Society for Neuroscience Abstracts*

- **Maoz U**, Portugaly E, Flash T and Weiss Y (2006) Noise, smoothness and the two-thirds power law. *Second Computational Motor Control Workshop* (Best-poster award, first prize)
- **Maoz U**, Berthoz A, Weiss Y & Flash T (2005) Power-laws of Three-dimensional Upper Limb Movement. *Progress in Motor Control V*
- **Maoz U**, Berthoz A, Bret B, Tramus MH & Flash T (2005) Three-dimensional arm movement. *Computational Motor Control Workshop*
- **Maoz U**, Berthoz A, Bret M, Tramus MH & Flash T (2004) Three-dimensional arm movement, from measurement to laws of motion. *High Brain Functions: Multidisciplinary Approach for Distributed Neural Systems – French-Israel Binational Conference*
- **Maoz U** and Flash T (2002) Primitives of Motion - Building Blocks for a Language of Behavior. *Tubingen University German-Israeli Minerva School in Computational Linguistics*

Recent Lay-Audience Lectures

- The Neural Underpinnings of Decision-Making and Free Will, *The Quale at UCLA*, May 2017
- Free will? On the role of consciousness in decision-making, with an aside on undergrad research, *Cognitive Science Student Association of UCLA*, November 2016
- Neuroscience and free will—the old and the new, *Cognitive Science Student Association of UCLA*, January 2016
- The role of consciousness in decision-making: can neuroscience inform the debate on free will? *Mitchabrim LA*, June 2015
- Can neuroscience contribute to the millennia-old debate on free will? *Nerd Nite LA*, February 2014
- Neuroscience, free will and medicine – predicting decisions before awareness of having decided. *Nahariya Hospital Research Forum*, October 2013
- The Problem of Free Will, *C.G. Jung Institute of Los Angeles*, November 2012
- Free Will and Moral Responsibility: A Neuroscientific Perspective, *Joseph Campbell Roundtable LA*, November 2011
- Free will, moral responsibility, neuroscience and Yom Kippur. *Ohr HaTorah Congregation*, October 2011