PrincetonUniversity

Curriculum Vitae
Uri Hasson

Contact Information

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Academic Employment

2017- Professor, Department of Psychology and the Neuroscience Institute, Princeton University

2014-2017 Associate Professor, Department of Psychology and the Neuroscience Institute, Princeton University

2008-2014 Assistant Professor, Department of Psychology and the Neuroscience Institute, Princeton University

2004-2008 Postdoctoral Fellow, Center for Neural Science, New York University (advisors: David Heeger and Nava Rubin)

Education

1999-2004 Ph.D. Neurobiology Department, Weizmann Institute of Science (advisor: Rafael Malach)

1995-1998 M.Sc. Cognitive Science, the Hebrew University of Jerusalem

1991-1994 B.Sc. Philosophy and Cognitive Science, the Hebrew University of Jerusalem

Honors and Awards

2019- Fellow of the Association for Psychological Science

2016- NIH's directors Pioneer Award

2018-2021 Google Research fellow

2004-2007 Human Frontier Science Program (HFSP) Long-Term Fellowship

2004/2005 Rothschild Fellowship

2000-2004 Feinberg Fellowship for doctoral degree in Neurobiology

2003 Human Brain Mapping Travel Award

1997 Winner of the 'New Voices, New Visions' multimedia competition

Research Support

Currently funded grants

2021- The Wellcome Leap "*The first1000days data archive project"*
2017- NIH, 1R01MH112566-01 "*Brain-to-brain dynamical coupling: a new framework for the communication of social knowledge"*
2016- NIH's directors Pioneer Award, DP1 HD091948, "*A Novel Neural Approach for Assessing Communication"*
2016- NIH, 1R01MH112357-01 "*Neural dynamics supporting integration and recall over long timescales during natural continuous input"*
2012- Jon Walsh Funding, Electrocorticography seed money

Completed grants

2017-2018 DOD Applications "Capturing Dynamic Brain-to-Brain Coupling using Temporal Representation Learning"
2010- 2016 NIH, R01-MH094480 Early Stage Investigator, *"Topographic mapping of a hierarchy of temporal receptive windows using natural stimuli"*
2012- 2015 DARPA-BAA-12-03-SBIR Phase II *"Narrative networks"*
2008-2010 NIH, R21-DA024423 grant*, "The neural correlates of effective drug prevention messages"*
2009-2010 The Insley Blair Pyne Fund in Neuroscience-Engineering*, "Classification, feature selection and functional connectivity from fMRI data"*

Publications

Peer-reviewed manuscripts and reviews

Goldstein, A., Zada, Z., Buchnik, E., Schain, M., Price, A., Aubrey, B., ... & ***Hasson, U****. (2021). Thinking ahead: prediction in context as a shared keystone of language processing in humans and deep language models. Nature Neuroscience.*

Antony, J. W., Hartshorne, T. H., Pomeroy, K., Gureckis, T. M., ***Hasson, U****., McDougle, S. D., & Norman, K. A. (2021). Behavioral, physiological, and neural signatures of surprise during naturalistic sports viewing. Neuron, 109(2), 377-390.*

Piazza, E., Cassano, R., Iordan, M. C., Williams, J., Izen, S., & ***Hasson, U****. (2021). A naturalistic approach to studying temporal processing during music performance. The Journal of the Acoustical Society of America, 150(4), A65-A65.*

Finn, E. S., Glerean, E., ***Hasson, U****., & Vanderwal, T. (2021). Naturalistic Imaging: The use of ecologically valid conditions to study brain function. Neuroimage, 118776-118776.*

Nastase, S. A., Liu, Y. F., Hillman, H., Zadbood, A., Hasenfratz, L., Keshavarzian, N., ... & ***Hasson, U****. (2021). Narratives: fMRI data for evaluating models of naturalistic language comprehension. preprint. Neuroscience, December, 2020-06.*

Lerner, Y., Scherf, KS., Katkov, M ., ***Hasson, U.,*** *Behrmann, M. (2021). Adolescence Changes in Cortical Coherence Supporting Complex Visual and Social Processing. Journal of Cognitive Neuroscience 33 (11), 2215-2230*

Michelmann S, Price AR, Aubrey B, Strauss CK, Doyle WK, Friedman D, Dugan PC, Devinsky O, Devore S, Flinker A, ***Hasson U.*** *Norman, K. (2021). Moment-by-moment tracking of naturalistic learning and its underlying hippocampo-cortical*

interactions. Nature communications. Sep 13;12(1):1-5.

Chang, C.H., Lazaridi, C., Yeshurun, Y., Norman, K.A. and ***Hasson, U.,*** *(2021). Relating the past with the present: Information integration and segregation during ongoing narrative processing. Journal of Cognitive Neuroscience, 33(6), pp.1106-1128.*

Meshulam, M., Hasenfratz, L., Hillman, H., Liu, Y.F., Nguyen, M., Norman, K.A. and ***Hasson, U.,*** *(2021). Neural alignment predicts learning outcomes in students taking an introduction to computer science course. Nature communications, 12(1), pp.1-14.*

Nastase, S., Liu, Y.F., Hillman, H., Norman, K. A., ***Hasson, U.*** *(2020).* Leveraging shared connectivity to aggregate heterogeneous datasets into a common response space. NeuroImage, Volume 217. [PDF]

Zuo, X., Honey, C.J., Barense, M.D., Crombie, D., Norman, K.A., ***Hasson, U.,*** *Chen, J. (2020).* Temporal integration of narrative information in a hippocampal amnesic patient. NeuroImage, Volume 213, June 2020,116658 [PDF]

Piazza E, Hasenfratz L, ***Hasson U,*** *Lew-WIlliams C (2020).* Infant and adult brains are coupled to the dynamics of natural communication. Psychological Science, 2020, Vol. 31(1) 6–17. [PDF]

Regev M, Simony E, Lee K, Tan KM, Chen J, ***Hasson U*** *(2019). Propagation of information along the cortical hierarchy as a function of attention while reading and listening to stories. Cerebral Cortex, 29(10), 4017–4034, [PDF] [Cerebral Cortex]*

Lerner, Y, Scherf, K.S., Katkov, M., ***Hasson, U.****, Behrman, M. (2019). Age-related changes in neural networks supporting complex visual and social processing in adolescence. [PDF] [BioRxiv]*

Nastase, S. A., Gazzola, V., ***Hasson, U.****, & Keysers, C. (2019). Measuring shared responses across subjects using intersubject correlation. Social Cognitive and Affective Neuroscience, nsz037. [PDF] [BioRxiv]*

Nguyen M, Vanderwal T, ***Hasson U*** *(2019). Shared understanding of narratives is correlated with shared neural responses. NeuroImage, 184, 161-170 NeuroImage. [PDF]*

Regev M, Simony E, Lee K, Tan KM, Chen J, ***Hasson U*** *(2019). Propagation of information along the cortical hierarchy as a function of attention while reading and listening to stories. Cerebral Cortex, 29(10), 4017–4034, [PDF] [Cerebral Cortex]*

Lerner, Y, Scherf, K.S., Katkov, M., ***Hasson, U.****, Behrman, M. (2019). Age-related changes in neural networks supporting complex visual and social processing in adolescence. [PDF] [BioRxiv]*

Nastase, S. A., Gazzola, V., ***Hasson, U.****, & Keysers, C. (2019). Measuring shared responses across subjects using intersubject correlation. Social Cognitive and Affective Neuroscience, nsz037. [PDF] [BioRxiv]*

Nguyen M, Vanderwal T, ***Hasson U*** *(2019). Shared understanding of narratives is correlated with shared neural responses. NeuroImage, 184, 161-170[PDF]*

[NeuroImage]

*Baldassano C, **Hasson U**, Norman K (2018).* Representation of real-world event schemas during narrative perception. Journal of Neuroscience. [PDF]

*Nguyen M, Vanderwal T, **Hasson U** (2018).* Shared understanding of narratives is correlated with shared neural responses. NeuroImage. [PDF]

*Aly M, Chen J, Turk-Browne NB, **Hasson U (2018)**.* Learning naturalistic temporal structure in the posterior medial network. Journal of Cognitive Neuroscience, V30, 9, 1345-1365. [PDF]

*Zadbood A, Chen J, Leong YC, Norman KA, **Hasson U*** (2017) How we transmit memories to other brains: constructing shared neural representations via communication. Cerebral Cortex, 2017; 1–13. [PDF]

*Rosenthal G, Tanzer M, Simony E, **Hasson H**, Behrmann M, Avidan G (2017).* Altered topology of neural circuits in congenital prosopagnosia. eLife, 25069.002. [PDF]

*Baldassano C, Chen J, Zadbood A, Pillow JW, **Hasson U,** Norman KA (2017)* Discovering Event Structure in Continuous Narrative Perception and Memory. Neuron 95, 709–721. [PDF]

Yeshurun, Y., E. Honey, C.J. Chen, J, Simony, E., **Hasson U.** (2017). Same story, different story: Neural representation of frameworks for understanding. Psychological Science. [PDF]

Liu Y, Piazza EA, Simony E, Shewokis PA, Onaral B, **Hasson U**, Ayaz H (2017) Measuring speaker–listener neural coupling with functional near infrared spectroscopy. Scientific Reports 7:43293.

Chen, Leong, Y. C., Norman, K. **Hasson, U.** (2017). Shared memories reveal shared structure in neural activity across individuals. Nature Neuroscience 20.1: 115-125. [PDF]

Lositsky O, Chen J, Toker D, Honey CJ, Poppenk JL, **Hasson U**, Norman KA (2016) Neural Pattern Change During Encoding of a Narrative Predicts Retrospective Duration Estimates. eLife, 1;5:e16070. [PDF]

Simony, E., Honey, C.J., Chen, J., Lositsky, O., Yeshurun, Y., Wiesel, A. **Hasson, U (2016)**. Dynamic reconfiguration of the default mode network during narrative comprehension. Nature Communication 7. [PDF]

Franchak, J.M., Heeger, D.J., **Hasson, U**., and Adolph, K.E. (2015). Free viewing gaze behavior in infants and adults. *Infancy 1–26, 1532-7078.* [PDF]

Chen, J., Honey, C.J., Simony, E., Arcaro, M., Norman, K.A, **Hasson, U.** (2015). Accessing real-life episodic information from minutes versus hours earlier modulates hippocampal and high-order cortical dynamics. *Cerebral Cortex*, online prepublication. [PDF]

Farbood, M., Heeger, D.J., Marcus, G., **Hasson, U.**, Lerner, Y. (2015). The neural processing of hierarchical structure in music and speech at different timescales. *Frontiers in Neuroscience, Volume 9 | Article 157.* [PDF]

Arcaro, M.J., Honey, C.J., Mruczek, R.E., Kastner, S., **Hasson, U.** (2015). Widespread correlation patterns of fMRI signal across visual cortex reflect eccentricity organization. *Elife 4.* [PDF]

Schmälzle, R., Häcker, F.E., Honey, C.J., **Hasson, U.** (2015). Engaged listeners: shared neural processing of powerful political speeches. *Social Cognition and Affective Neuroscience, 10 (8): 1137-1143.* [PDF]

Ames, D.L., Honey, C.J., Chow, M.A., Todorov, A., **Hasson, U.** (2015). Contextual alignment of cognitive and neural dynamics. *J Cognitive Neuroscience 27:655-664.* [PDF]

Silbert, L., Honey, C., Simony, E., Poeppel, D., **Hasson, U**. (2014). Coupled neural systems underlie the production and comprehension of naturalistic narrative speech. *Proceedings of the National Academy of Science USA,* early edition. [PDF]

Dikker, S., Silbert, L.J., **Hasson, U.**, Zevin, J.D. (2014). On the same wavelength: predictable language enhances speaker-listener brain-to-brain synchrony in posterior superior temporal gyrus. *Journal of Neuroscience 34:6267-6272*.

Lerner, Y., Honey, C.J., Katkov, M., **Hasson, U.** (2014) Temporal scaling of neural responses to compressed and dilated natural speech. *Journal of Neurophysiology 111:2433-2444*. [PDF]

Stephens, G., Honey, C., **Hasson, U**. (2013). A place for time: the spatiotemporal structure of neural dynamics during natural audition. *Journal of Neurophysiology, 111: 2433–2444.* [PDF]

Regev, M., Honey, U., **Hasson, U.** (2013). Modality-selective and modality-invariant neural responses to spoken and written narratives. *Journal of Neuroscience. 33(40):15978 –15988.* [PDF]

Honey, C.J., Thomson, C.R., Lerner, Y., **Hasson, U.** (2012) Not lost in translation: Neural responses shared across languages. *Journal of Neuroscience 32(44):15277-15283.* [PDF]

Honey, C.J., Thesen, T., Donner, T.H., Silbert, L.J., Carlson, C.E., Devinsky, O., Doyle, W.K., Rubin, N., Heeger, D.J., **Hasson, U.** (2012) Slow cortical dynamics and the accumulation of information over long time scales. *Neuron 76:423-434.* [PDF]

Ben-Yakov, A., Honey, C.J., Lerner, Y, **Hasson, U.** (2012) Loss of reliable temporal structure in event-related averaging of naturalistic stimuli. *NeuroImage 63:501-506.* [PDF]

Hasson, U., Honey, C.J. (2012). Future trends in neuroimaging: Neural processes as expressed within real-life contexts. *NeuroImage 62:1272-1278.* [PDF]

Mantini, D., **Hasson, U.,** Betti, V., Perrucci, M.G., Romani, G.L., Corbetta, M., Orban, G.A., Vanduffel, W. (2012) Interspecies activity correlations reveal functional correspondence between monkey and human brain areas. *Nature Methods 9(3): 277-282.* [PDF]

Hasson, U., Ghazanfar, A.A., Galantucci, B., Garrod, S., Keysers, C. (2012) Brain-to-brain coupling: mechanism for creating and sharing a social world. *Trends in Cognitive Science 16(2):114-121.* [PDF]

Wang, X.H., Freeman, J., Merriam, E.P., **Hasson, U.,** Heeger, D.J. (2012) Temporal eye movement strategies during naturalistic viewing. *Journal of Vision 12(1):1-27.* [PDF]

Lerner, Y., Honey, C.J., Silbert, LJ, **Hasson, U.** (2011) Topographic mapping of a

hierarchy of temporal receptive windows using a narrated story. *Journal of Neuroscience 31(8):2906-2915.* [PDF]

Stephens, G.J., Silbert, L.J., **Hasson, U.** (2010) Speaker-listener neural coupling underlies successful communication. *Proceeding National Academy of Science USA 107(32) 14425-14430.* [PDF]

Shepherd, S.V., Steckenfinger, S.A., **Hasson, U.,** Ghazanfar, A.A. (2010) Human-monkey gaze correlations reveal convergent and divergent patterns of movie viewing. *Current Biology 20:649-56.* [PDF]

Brennan, J., Nir, Y., **Hasson, U.,** Malach, R., Heeger, D.J., Pylkkänen, L. (2010) Syntactic structure building in the anterior temporal lobe during natural story listening. *Brain and Language 120:163-173.* [PDF]

Hasson, U., Malach, R., Heeger, D.J. (2010) Reliability of cortical activity during natural stimulation. *Trends in Cognitive Science 14(1):40-48.* [PDF]

Hasson, U., Avidan, G., Gelbard, H., Vallines, I., Harel, M., Minshew, N., Behrmann, M. (2009) Shared and idiosyncratic cortical activation patterns in autism revealed under continuous real-life viewing conditions. *Autism Research 2(4):220-231.* [PDF]

Humphreys, K., **Hasson, U.,** Avidan, G., Minshew, N., and Behrmann, M. (2008) Cortical patterns of category-selective activation for faces, places and objects in adults with autism. *Autism Research* 1, 52-63.

Hasson, U., Yang, E., Vallines, I., Heeger, D.J., Rubin, N. (2008) A hierarchy of temporal receptive windows in human cortex. *Journal of Neuroscience 28(10):2539-2550.* [PDF]

Hasson, U., Furman, O., Clark, D., Dudai, Y., Davachi, L. (2008). Enhanced intersubject correlations during movie viewing correlate with successful episodic encoding. *Neuron 57:452-462.* [PDF]

Dinstein, I., **Hasson, U.,** Rubin, N., Heeger, D.J. (2007) Brain areas selective for both observed and executed movements. *Journal of Neurophysiology 98:1415-1427.* [PDF]

Furman, O., Dorfman, N., **Hasson, U.,** Davachi, L., Dudai, Y. (2007) They saw a movie: Long-term memory for an extended audiovisual narrative. *Learning and Memory 14:457-467.* [PDF]

Nir, Y., **Hasson, U.,** Levy, I., Yeshurun, Y., Malach, R. (2006) Widespread functional connectivity and fMRI fluctuations in human visual cortex in the absence of visual stimulation. *NeuroImage 30:1313-1324.* [PDF]

Golland, Y., Bentin, S., Gelbard, H., Benjamini, Y., Heller, R., Nir, Y., **Hasson, U.,** Malach, R. (2006) Extrinsic and intrinsic systems in the posterior cortex of the human brain revealed during natural sensory stimulation. *Cerebral Cortex 17:766-777.* [PDF]

Mukamel, R., Gelbard, H., Arieli, A., **Hasson, U.,** Fried, I., Malach, R. (2005) Coupling between neuronal firing, field potentials, and fMRI in human auditory cortex. *Science 309:951-954.* [PDF]

Avidan, G., **Hasson, U.,** Malach, R., Behrmann, M. (2005) Detailed exploration of face-related processing in congenital prosopagnosia: 2. Functional neuroimaging

findings. *Journal of Cognitive Neuroscience 17(7):1150-1167.* [PDF]

Hasson, U., Nir, Y., Levy, I., Fuhrmann, G., Malach, R. (2004) Intersubject synchronization of cortical activity during natural vision. *Science 303:1634-1640.* [PDF]

Levy, I., **Hasson, U.,** Malach, R. (2004) One picture is worth at least a million neurons. *Current Biology 14(11):996-1001.* [PDF]

Levy, I., **Hasson, U.,** Harel, M., Malach, R. (2004) Functional analysis of the periphery effect in human building related areas. *Human Brain Mapping 22, 15-26.* [PDF]

Hasson, U., Harel, M., Levy, I., Malach, R. (2003) Large-scale mirror-symmetry organization of human occipito-temporal object areas. *Neuron 37:1027-1041.* [PDF]

Hasson, U., Avidan, G., Deouell, L.Y., Bentin, S., Malach, R. (2003) Face-selective activation in a congenital prosopagnosic subject. *Journal of Cognitive Neuroscience 15(3):419-431.* [PDF]

Hasson, U., Levy, I., Behrmann, M., Hendler, T., Malach, R. (2002) Eccentricity bias as an organizing principle for human high-order object areas. *Neuron 34:479-490.* [PDF]

Malach, R., Levy, I., **Hasson, U.** (2002) The topography of high-order human object areas. *Trends in Cognitive Science 6(4):176-184.* [PDF]

Avidan, G., **Hasson, U.,** Hendler, T., Zohary, E., Malach, R. (2002) Analysis of the neuronal selectivity underlying low fMRI signals. *Current Biology 12(12):964-972.* [PDF]

Levy, I., **Hasson, U.,** Avidan, G., Hendler, T., Malach, R. (2001) Center-periphery organization of human object areas. *Nature Neuroscience 4(5):533-539.* [PDF]

Hasson, U., Hendler, T., Ben Bashat, D., Malach, R. (2001) Vase or face? A neural correlate of shape-selective grouping processes in the human brain. *Journal of Cognitive Neuroscience 13(6):744-753.* [PDF]

Invited reviews and commentaries

*Yeshurun, Y., Nguyen, M. and **Hasson, U.,** (2021). The default mode network: where the idiosyncratic self meets the shared social world. Nature Reviews Neuroscience, 22(3), pp.181-192.*

*Yeshurun, Y., Nguyen M, **Hasson, U.** (2020).* The default mode network: where the idiosyncratic self meets the shared social world. Nature Review (in-press).

*Nastase, S., Goldstein, A., **Hasson, U.** (2020).* Keep it real: rethinking the primacy of experimental control in cognitive neuroscience. NeuroImage, Volume 222, 15 November 2020, 117254. [PDF]

***Hasson, U.,** Nastase, S., & Goldstein, A. (2020).* Robust-fit to nature: and evolutionary perspective on biological (and artificial) neural networks. Neuron, Volume 105, Issue 3, 5 February, Pages 416-434 [PDF]

Cohen JD, Daw N, Engelhardt B, **Hasson U**, Li K, Niv Y, Norman KA, Pillow J, Ramadge PJ, Turk-Browne NB (2017) Computational approaches to fMRI analysis. Nature Neuroscience 20:304-313.

Hasson, U, Frith, CD (2016) Mirroring and beyond: coupled dynamics as a generalized framework for modelling social interactions. Philosophical Transactions of the Royal Society of London B: Biological Sciences 371. [PDF]

Chen, J., **Hasson, U.**, and Honey, C.J. (2015). Processing timescales as an organizing principle for primate cortex. *Neuron 88, 244-246*.

Hasson, U., Chen, J., Honey, C.J. (2015). Hierarchical process memory: memory as an integral component of information processing. *Trends in Cognitive Sciences 19:304-313.* [PDF]

Hasson U, Ghazanfar AA, Galantucci B, Garrod S, Keysers C (2012) Brain-to-brain coupling: a mechanism for creating and sharing a social world. *Trends in Cognitive Sciences* 16:114-121. [PDF]

Hasson U, Honey CJ (2012) Future trends in Neuroimaging: Neural processes as expressed within real-life contexts. *NeuroImage* 62:1272-1278. [PDF]

Hasson, U. (2010) I can make your brain look like mine. *Harvard Business Review 88:32-33.* [PDF]

Carmel, D., Arcaro, M., Kastner, S., **Hasson, U.** (2010) How to create and use binocular rivalry. *Journal of Visualized Experiments*. [Video article]

Hasson, U., Landsman, O., Knappmeyer, B., Vallines, I., Rubin, N., Heeger, D.J. (2008) Neurocinematics: The neuroscience of film. *Projections 2(1):1-26.* [PDF]

Manuscripts under Review

*Chang, C. H., Nastase, S. A., & **Hasson, U**. (2021). Information flow across the cortical timescales hierarchy during narrative comprehension. bioRxiv.*

*Tikochinski, R., Goldstein, A., Yeshurun, Y., **Hasson, U**., & Reichart, R. (2021). Fine-tuning of deep language models as a computational framework of modeling listeners' perspective during language comprehension. bioRxiv.*

*Lu, Q., **Hasson, U**., & Norman, K. A. (2021). When to retrieve and encode episodic memories: a neural network model of hippocampal-cortical interaction. bioRxiv, 2020-12.*

*Zadbood, A., Nastase, S. A., Chen, J., Norman, K. A., & **Hasson, U**. (2021). Here's the twist: How the brain updates naturalistic event memories as our understanding of the past changes. bioRxiv.*

Michelmann, S., Hasson, U., & Norman, K. (2021). Event boundaries are steppingstones for memory retrieval. PsyArXiv

*Williams, J. A., Margulis, E. H., Nastase, S. A., Chen, J., **Hasson, U.,** Norman, K. A., & Baldassano, C. A. (2021). High-order areas and auditory cortex both represent the high-level event structure of music. bioRxiv.*

* All papers which are currently under review are posted using the bioRxiv service

Talks (2009-2019)

- Invited speaker, Google, **Tel-Aviv** (December 31, 2019)
- Keynote speaker, Neurocinematics, **Paris** (October 25, 2019)

- Invited speaker, Departmental colloquium, Department of Psychology, Brain Imaging Research Center (BIRC) at the University of Connecticut, **Connecticut** (October 15, 2019)
- Symposium, memory disorder, **NYC** (October 3, 2019)
- Symposium, the future of human interaction, Penn Wharton Neuroscience Initiative, **Philadelphia** (September 13, 2019)
- Symposium, ECoG, NYU medical school, **NYC** (July 26, 2019)
- Keynote speaker, **Untitled**, SNF Annual International Conference, Athens, Greece (June 24, 2019)
- Symposium, Brain to brain communication, Association for Psychological Science (APS) Annual Convention, **Washington, DC** (April 24, 2019)
- Invited speaker, Departmental colloquium, Department of Psychology, Cunny, **NY** (April 3, 2019)
- Invited speaker, Departmental colloquium, Department of Psychology, Northwestern, **Chicago** (March 1, 2019)
- Symposium, Frontiers in Neuroscience, Center for Information and Neural Networks (CiNet), **Osaka** (February 20, 2019)
- Invited speaker, Departmental colloquium, Department of Psychology, University of Southern California **LA** (January 29, 2019)
- Invited speaker, Departmental colloquium, Department of Psychology, the Hebrew University, **Jerusalem** (December 27, 2018)
- Symposium, Telling Stories of Science, Society of Neuroscience, **San-Diego** (November 4, 2018)
- Keynote speaker, Minerva Gentner symposium "Understanding others, the Hebrew University, **Jerusalem** (October 7, 2018)
- Keynote speaker, inauguration Conference of the Center for Developmental, Social, and Relationship Neuroscience, IDC, **Herzliya** (October 3, 2018)
- Invited speaker, Departmental colloquium, Department of Neuroscience at the Max Planck Institute **Frankfurt** (July 13, 2018)
- Invited speaker, Departmental colloquium, Max Planck, **Heidelberg** (July 2, 2018)
- Invited speaker, Summer School, for Human Cognitive and Brain Sciences, **Leipzig** (June 26, 2018)
- Invited speaker, Summer School, for Human Cognitive and Brain Sciences, **Leipzig** (June 26, 2018)
- Invited speaker, Departmental colloquium, Psychology and Neuroscience at the Yale University, **New Haven** (April 13, 2018)
- Invited speaker, Departmental colloquium, Psychology and Neuroscience at the University of Colorado Boulder, **Boulder** (March 21, 2018)
- Conference symposium, Israeli National Academy of Sciences and Humanities **Jerusalem** (February 5, 2018)
- Invited speaker, Studying Complex Behavior, **UBMIOTel-Aviv** (December 27, 2017)
- Invited speaker, Studying Complex Behavior, **Weizmann Institute of Science** (December 14, 2017)
- Invited speaker, **Tällberg Foundation**, New York (November 28, 2017)
- Invited speaker, Departmental colloquium, Psychology department, **University of Maryland** (October 25, 2017)

- Invited speaker, Departmental colloquium, Psychology department, **New York University** (October 3, 2017)
- Invited speaker, **Mind & Life Dialogue With The Dalai Lama**, Botswana (August 18, 2017)
- Keynote speaker, **Polarization**, SNF Annual International Conference, Athens, Greece (June 22, 2017)
- Invited speaker, CVR Conference, Toronto York University (June 14, 2017)
- Invited speaker, **Deep Mind, Google, London, UK** (March 30, 2017)
- Keynote speaker, **Dutch National Autism Congress**, Holland (March 24, 2017)
- Invited speaker, Departmental colloquium, **University of Southern California** (March 8, 2017)
- Invited speaker, **The Helix Center, NY** (February 25, 2017)
- Invited speaker, Icahn School of Medicine, **Mount Sinai, NY** (October 19, 2016)
- Invited speaker, Departmental colloquium, **New York University, NY** (October 7, 2016)
- Invited speaker, Departmental colloquium, **Columbia University, NY** (September 30, 2016)
- Invited speaker, Brain-to-brain dynamical coupling workshop, **Sicily, Italy** (September 7, 2016)
- Invited speaker, The 31th International Congress of Psychology, **Yokohama, Japan** (July 24, 2016)
- Conference symposium, Cosyne, **Snowbird, Utah** (March 1, 2016)
- Ted talk – **Ted2016, Vancouver, Canada** (February 18, 2016)
- Invited speaker, Departmental colloquium, **Tel-Aviv University, Israel** (December 28, 2015)
- Invited speaker, Teacher's Cognition meeting, **Paris**, **France** (December 17, 2015)
- Invited speaker, music and the brain meeting, **Montreal**, **Canada** (October 23, 2015)
- Invited speaker, Departmental colloquium, **Dartmouth University, Hanover** (October 2, 2015)
- Invited speaker, the teaching brain meeting, **Sicily**, **Italy** (September 10, 2015)
- Conference symposium, Human Brain Mapping, **Hawaii** (June 17, 2015)
- Invited speaker, social neuroscience meeting, **Helsinki**, **Finland** (May 19, 2015)
- Invited speaker, Departmental colloquium, **Columbia University,** New York City (May 11, 2015)
- Keynote speaker, Presidential lecture, **Social and Affective Neuroscience Society**, Boston, MA (April 24, 2015)
- Invited speaker, **BNA2015: Festival of Neuroscience**, Edinburgh, Scotland (April 11, 2015)
- Invited speaker, Departmental colloquium, **The University of Edinburgh** , Scotland (April 10, 2015)

- Invited speaker, **Neural Circuits meeting**, Berlin, Germany (March 1, 2015)
- Conference symposium, **AAAS Annual Meeting**, San Francisco, CA (February 14, 2015)
- Invited speaker, Departmental colloquium, **Weizmann Institute**, Rehovot, Israel (November 30, 2014)
- Conference symposium, **Society for Neuroscience**, Washington, DC (October 18, 2014)
- Invited speaker, Departmental colloquium, **Max-Planck Institute**, Leipzig, Germany (October 13, 2014)
- Invited speaker, Language and the Brain meeting, **Princeton University**, Princeton, NJ (October 11, 2014)
- Invited speaker, Departmental colloquium, **Indiana University**, Bloomington, IN (September 29, 2014)
- Invited speaker, Departmental colloquium, **Yale University**, New Haven, CT (September 5, 2014)
- Keynote speaker, **Academy of Motion Pictures** symposium on Neurocinematics**,** Los Angeles, CA (July 29, 2014)
- Invited speaker, Departmental colloquium, **Aalto University**, Helsinki, Finland (June 25, 2014)
- Conference symposium, **Human Brain Mapping**, Hamburg, Germany (June 11, 2014)
- Invited speaker, **New Perspectives and Future Directions in Social Neuroscience**, Marburg, Germany (June 4, 2014)
- Conference symposium, **Association of Psychological Sciences**, San Francisco, CA (May 23, 2014)
- Invited speaker, **DARPA** meeting, San Francisco, CA (May 22, 2014)
- Keynote speaker, **Birmingham film festival,** UK (March 21, 2014)
- Invited speaker, Science of Story & Imagination workshop, **Stanford Humanities Center**, Stanford, CA (March 1, 2014)
- Invited speaker, Departmental colloquium, **Stanford Psychology Department**, Stanford, CA (February 28, 2014)
- Invited speaker, Departmental colloquium, **SRI,** NJ (February 21, 2014)
- Invited speaker, Departmental colloquium, **Tel-Aviv University,** Israel (January 6, 2014)
- Invited speaker, Departmental colloquium, **Weizmann Institute of Science,** Israel (December 31, 2013)
- Invited speaker, **DARPA** conference, Arlington, VA (October 24, 2013)
- Invited speaker, brain-to-brain communication workshop, **Yeshiva University**, New York City (October 24, 2013)
- Invited speaker, Departmental colloquium, **Santa Barbara University**, Santa Barbara, CA (October 17, 2013)
- Invited speaker, Departmental colloquium, **CUNY University,** NY (October 4, 2013)
- Invited speaker, Departmental colloquium, **University of Pennsylvania PA** (September 23, 2013)
- Invited speaker*, The Emotional Power of Music meeting*, **SwissNex,** San Francisco, CA (May 16, 2013)

- Invited speaker, Super colloquium seminar, **University of Washington**, Seattle, WA (April 19, 2013)
- Keynote speaker, **New York Psychoanalytic Institute**, New York City (March 2, 2013)
- Invited speaker, Departmental seminar, **The Martin Buber Society, Jerusalem, Israel** (January 9, 2013)
- Invited speaker, Departmental colloquium, **Yeshiva University**, New York City (November 28, 2012)
- Invited speaker, Departmental colloquium, **Caltech,** Pasadena, CA (November 19, 2012)
- Invited speaker, ECOG seminar, **Stanford University**, Stanford, CA (November 15, 2012)
- Invited speaker, Vision meeting, **Stanford University**, Stanford, CA (November 14, 2012)
- Invited speaker, Departmental colloquium, **New York University**, New York City (November 8, 2012)
- Invited speaker, **Social Neuroscience meeting**, New Orleans, LA (October 12, 2012)
- Invited speaker, Departmental colloquium, **Cornell University**, Ithaca, NY (October 5, 2012)
- Invited speaker, Brain Sciences and the Environment, **Duke University,** Durham, NC *(September 13-15, 2012)*
- Invited speaker*,* Neural Computation Workshop, **Dartmouth College,** Hanover, NH *(August 16-17, 2012)*
- Invited lecturer, **Summer School in Cognitive Neuroscience***,* Sofia, Bulgaria *(July 10-13, 2012)*
- Invited speaker, Departmental colloquium*,* **Weizmann Institute of Science,** Rehovot, Israel *(June 21, 2012)*
- Invited speaker*,* Departmental colloquium*,* **Center for Neural Science, Trento**, Italy *(June 21, 2012)*
- Keynote speaker, Temporal Dynamics of Learning Center*,* **TDLC** San Diego**,** CA *(January 28, 2012)*
- Invited speaker*,* Departmental colloquium*,* **Mount Sinai Hospital,** New York City, NY *(January 26, 2012)*
- Invited speaker*,* Departmental colloquium*,* **the National Institutes of Health (NIH)** *Washington, DC (November 1, 2011)*
- Invited speaker, Departmental colloquium*,* **The University of Pennsylvania,** Philadelphia, PA *(October 4, 2011)*
- Invited speaker, Departmental colloquium*,* **Georgetown University,** Washington**,** DC *(July 28, 2011)*
- Invited speaker, Departmental colloquium*,* **Zurich University,** Swizerland *(June 1, 2011)*
- Invited speaker, Departmental colloquium*,* **Regensburg University,** Germany *(May 30, 2011)*
- Invited speaker, Departmental colloquium*,* **Netherlands Institute for Neuroscience,** Amsterdam, The Netherlands *(April 18, 2011)*
- Invited speaker, Departmental colloquium*,* **Amsterdam University,** The Netherlands *(April 17, 2011)*
- Invited speaker*, DARPA workshop,* **New-Mexico** *(March 30, 2011)*

- Invited speaker*, Princeton alumni association at* **Brown University,** Providence, RI *(March 23, 2011)*
- Invited speaker, Departmental colloquium*,* **Harvard University,** Cambridge, MA *(March 22, 2011)*
- Invited speaker, Departmental colloquium*,* **Technion,** Haifa**,** Israel *(February 24, 2011)*
- Invited speaker, Departmental colloquium*,* **Ben-Gurion University,** Beer-Sheva**,** Israel *(February 21, 2011)*
- Invited speaker*,* Brain and Mind Interdisciplinary Institutional seminar*,* **Weizmann Institute of Science,** Rehovot, Israel *(February 3, 2011)*
- Invited speaker, Departmental colloquium*,* ***Cambridge University,*** UK *(January 20, 2011)*
- Invited speaker, Departmental colloquium*,* **University College London,** UK *(January 17, 2011)*
- Invited speaker, Departmental colloquium, **Weizmann Institute of Science,** Rehovot, Israel (January 13, 2011)
- Invited speaker, Departmental colloquium, **Drexel University,** Philadelphia, PA (December 8, 2010)
- Invited speaker, symposium on neuro-techniques, Italian Academy for Advanced Studies in America, **Columbia University,** New York City (December 3, 2010)
- Invited speaker, **Symposium on Experience and Creativity**, Ahmedabad, India (October 28, 2010)
- Keynote speaker, Public Science Lecture on art and neuroscience, **Guggenheim Museum**, Berlin, Germany (October 7, 2010)
- Invited speaker, fMRI seminar series, **Yale University,** New Haven, CT (September 30, 2010)
- Keynote speaker, **Text and Graphics Comprehension Bi-annual meeting**, Tübingen**,** Germany (August 28, 2010)
- Keynote speaker, the **International Conference on Computational Science,** Beijing, China (August 18, 2010)
- Invited speaker, Sensory Coding in the Natural Environment **Gordon conference**, Bates College, Lewiston, ME (July 28, 2010)
- Invited speaker, Multi-modal Neuroimaging Training Program (MNTP), Symposium on Visual Cognition and Computation*,* **Carnegie Mellon University**, Pittsburgh, PA (July 8, 2010)
- Invited speaker, Departmental colloquium, Psychology Department **Dartmouth College**, Hanover, NH (May 2, 2010)
- Invited speaker, the Cognitive Neuroscience Section colloquium, **National Institutes of Health (NIH),** Washington, DC (November 6, 2009)
- Keynote speaker, aivoAALTO kick-off symposium, **University of Helsinki**, Finland (September 18, 2009)
- Keynote speaker, **Japanese Society of Neuroscience** annual conference, Nagoya, Japan (September 16, 2009)
- Invited speaker, Departmental colloquium, psychology department, **Glasgow University**, England (August 14, 2009)
- Invited speaker, Watson Research Center, **IBM**, New York (May 6, 2009)
- Keynote speaker, the Spring 2009 Public Science Lecture of the **New York Academy of Sciences**, New York City, NY (May 4, 2009)

- Invited speaker, the Scene Understanding Symposium, **MIT**, Cambridge, MA (January 30, 2009)

Committees

2017-2020	Director of graduate students, Psychology Department
2013-2017	Princeton University committee on the Course of Study
2013-2017	Neuroscience PhD admission committee
2013-2016	Neuroscience Institute colloquium series organizing committee
2012	Social Neuroscience search committee
2011	Equipment purchasing committee for the new PNI scanner
2011	Neuroscience Institute retreat organizing committee

Teaching

2020	NEU202: Introduction to cognitive Neuroscience,
2017-	FRS107: Neurocinematics: Using Films to Explore Frontiers in Cognitive Neuroscience
2012-	PSY 337: *Social Neuroscience*
2010-	NEU 502: Two units on visual perception and social neuroscience in the graduate *Core Course in Neuroscience*
2009-	PSY 416/NEU 416: *Brain Imaging in Cognitive Neuroscience Research*
2009	PSY 404/MOL 408: *Cellular and Systems Neuroscience*

Special activities

Organized a workshop at Princeton University, with my colleagues Asif A. Ghazanfar and Alex Todorov. ""*Face to Face, Brain to Brain: Exploring the Mechanisms of Dyadic Social Interactions" (May 6-11, 2011)*

Professional activities

Associate Editor
Frontiers in Perception Science
Projections: The Journal for Movies and Mind
Guest Editor
PNAS
Ad-hoc reviewer: Journals
Cerebral Cortex
Cognition
Current Biology
European Journal of Neuroscience
Journal of Cognitive Neuroscience
Journal of Comparative Neurology
Journal of Neurophysiology
Journal of Neuroscience
Nature Neuroscience
NeuroImage
Neuron
Neuropsychologia
Trends in Cognitive Science

Mentoring

Post-doctoral fellows

2017-	Samuel A. Nastase (PhD, Dartmouth College, NH)
2017-	Ariel Goldstein (Hebrew University, Israel)
2017-	Meir Meshulam (PhD, Weizmann Institute, Israel)
2016-	Claire Chang (PhD, National Taiwan University)
2015-	Elise A. Piazza (PhD, Berkeley, California)
2016-2019	Amy Price (PhD, University of Pennsylvania)
2015-2018	Christopher A. Baldassano (PhD, Stanford, California, Assistant Professor, Columbia University)
2012-2017	Yaara Yeshurun (PhD, Weizmann Institute, Israel Assistant Professor, Tel-Aviv University)
2011-2016	Janice Chen (PhD, Stanford, California), Assistant Professor, Johns Hopkins
2012-2015	Ido Davidesco (PhD, Weizmann Institute of Science) Research Scholar, New York University
2011-2016	Erez Simony (PhD, Weizmann Institute of Science) Assistant Professor, Holon Institute of Technology, Israel.
2010-2012	Mina Cikara (PhD, Princeton University) Assistant Professor, Harvard University
2008-2013	Chris J. Honey (PhD, Indiana University, Bloomington), Assistant Professor, Johns Hopkins
2008-2012	Yulia Lerner (PhD, Weizmann Institute of Science), Research Scholar, Tel Aviv Sourasky Medical Center, Israel

Doctoral fellows

2017-	Qihong Lu (Psychology)
2017-	Andre O. Beukers (Psychology)
2014-	Mai L. Nguyen (Psychology)
2014- 2019	Asieh Zadbood (Psychology)
2010-2017	Mor Regev (Psychology)
2008-2013	Lauren J. Silbert (PNI)

Undergraduate students

2019-	Colton Casto
2019-	Nivida Thomas
2019-	Theodor Marcu
2019-	Maddy Kushan
2017-2019	Luke Maxwell Wiggins
2017-2019	Alexander Fish
2017-2019	Sonia Joseph
2015-2016	Meghan McMullin (Psychology)
2014-2015	Sarah Cuno (Psychology)
2013-2015	Biyang Wang (Psychology)
2013-2014	Christian D. Martin (Psychology)
2013-2014	Ioana Ferariu (Psychology)
2012-2014	Briana Wilcox
2012-2013	LindseyRose Aguero-Sinclair (Psychology)
2011-2012	Rebecca Tran (Psychology)
2010-2011	Alana D'Alfonso (Psychology)

2009-2010	Chris Thomson (Psychology)