



PrincetonUniversity

Curriculum Vitae Uri Hasson

Contact Information

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Academic Employment

2008-Present 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

- 2004-2007 Human Frontier Science Program (HFSP) Long-Term Fellowships Award
- 2004/2005 Rothschild Fellowship
- 2000-2004 Feinberg Fellowship for doctoral degree in Neurobiology
- 2003 Human Brain Mapping Travel Award (New York)
- 1997 Winner of the 'New Voices, New Visions' multimedia competition, New York

Research Support

Currently funded grants

- 2010- NIH, R01-MH094480 Early Stage Investigator, "Topographic mapping of a hierarchy of temporal receptive windows using natural stimuli"
- 2012- DARPA-BAA-12-03-SBIR Phase II "Narrative Networks".
- 2012- Jon Walsh Funding, Electrocorticography seed money.

Completed grants

- 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

- Stephens, G., Honey, C., **Hasson, U.** (in-press). A place for time: the spatiotemporal structure of neural dynamics during natural audition. *Journal of Neurophysiology*
- 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, L.J., **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 Lang* 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

- Hasson U.** (2010) I can make your brain look like mine. *Harvard Bus Rev* 88:32-33. [[PDF](#)]
- Carmel, D., Arcaro, M., Kastner, S., **Hasson, U.** (2010) How to create and use binocular rivalry. *Journal of Visualized Experiments*.
- Hasson U.**, Landsman O, Knappmeyer B, Vallines I, Rubin N, Heeger DJ (2008) Neurocinematics: The neuroscience of film. *Projections* 2(1):1-26. [[PDF](#)]

Manuscripts under Review

- *Silbert, L., Honey, C., Simony, E., Poeppel, D., **Hasson, U.** (under review). Coupled neural systems underlie the production and comprehension of naturalistic narrative speech.
- *Arcaro, M., Honey, U., Kastner, S., **Hasson, U.** (under review). Functional connectivity reveals a large-scale eccentricity organization within visual cortex in the presence and absence of visual input.
- *Regev, M., Honey, U., **Hasson, U.** (under review). Modality-selective and modality-invariant neural responses to spoken and written narratives.
- *Lerner, Y., Honey, C. Silbert L. **Hasson U.** (under review) Temporal scaling of neural responses to compressed and dilated natural speech.
- * manuscript is available upon request

Delivered papers, talks, colloquia (2009-2013)

- Invited speaker, *The Emotional Power of Music meeting*, **SwissNex San Francisco** (May 16, 2013)
- Invited speaker, Super colloquium seminar, **University of Washington**, Seattle, WA (April 19, 2013)
- Keynote speaker, **New York Psychoanalytic Institute, NY** (March 2, 2013)
- Invited speaker, Departmental seminar, **The Martin Buber Society** (January 9, 2013)
- Invited speaker, Departmental colloquium, **Yeshiva University, NY** (November 28, 2012)
- Invited speaker, Departmental colloquium, **Caltech, CA** (November 19, 2012)
- Invited speaker, ECOG seminar, **Stanford University, CA** (November 15, 2012)
- Invited speaker, Vision meeting, **Stanford University, CA** (November 14, 2012)
- Invited speaker, Departmental colloquium, **New York University, NY** (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**, Switzerland (*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 at the Italian Academy for Advanced Studies in America, **Columbia University**, NY (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 2010 Beijing*, China (August 18, 2010)
- Invited speaker, *Sensory coding in the natural environment*, the **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**, Boston, MA (January 30, 2009)

Committees

- 2013- Princeton University committee on the Course of Study
- 2013- 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

- 2012- PSY 337: *Social Neuroscience*
- 2010- NEU 502: A unit on visual perception 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, together with my close 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

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
NeuroImage
Neuron
Neuropsychologia
Trends in Cognitive Science

Mentoring**Post-doctoral fellows**

2012-	Ido Davidesco (PhD, Weizmann Institute of Science, Israel)
2012-	Yaara Y. Yeshurun-Dishon (PhD, Weizmann Institute of Science, Israel)
2011-	Erez Simony (PhD, Weizmann Institute of Science, Israel)
2011-	Janice Chen (PhD, Stanford, California)
2008-2013	Chris J. Honey (PhD, Indiana University, Bloomington) *About to be appointed as assistant professor, University of Toronto
2008-2012	Yulia Lerner (PhD, Weizmann Institute of Science, Israel) *Senior research scholar, Tel Aviv Sourasky Medical Center, Israel

Doctoral fellows

2010-	Mor Regev (Psychology)
2008-	Lauren J. Silbert (PNI)

Undergraduate students

2013-	Biyang Wang (Psychology)
2013-	Christian D. Martin (Psychology)
2013-	Ioana Ferariu (Psychology)
2012	Briana Wilcox
2012-2013	LindseyRose Aguero-Sinclair (Psychology)
2011-2012	Rebecca Tran (Psychology)
2010-2011	Alana D'Alfonso (Psychology)
2009-2010	Chris Thomson (Psychology)