

CV – Amir Amedi

EDUCATION

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
The Hebrew University, Jerusalem, Israel	B.Sc.	1998-2001	Biology
The Hebrew University, Jerusalem, Israel	M.Sc. and Ph.D.	2001-2006	Computational Neuroscience
Harvard Medical School, Boston , USA	Postdoctoral fellow	2004-2007	Neurology

EMPLOYMENT

1. 1997-2004: Teaching assistant, Life Science Institute and Interdisciplinary Center for Neural Computation (ICNC)
 2. 2005–2007: Instructor of Neurology, Harvard Medical School, Boston, USA.
 3. 2007-2012: Assistant Professor, Medical Neurobiology, The Israel-Canada Institute for Medical Research, Jerusalem, Israel
 4. 2012-Current: Associate Professor, Medical Neurobiology, The Israel-Canada Institute for Medical Research, Jerusalem, Israel
- * Also Member of Cognitive Science and the Edmond and Lily Safra Center for Brain Sciences.

FELLOWSHIP, AWARDS AND KEY GRANTS

1. 1998 - Graduated B.Sc. as ‘Magna cum Laude’ for academic achievements.
2. 1999-2004: Inter-disciplinary center for neuronal computation (ICNC) fellow.
3. 2001-2004: The Horowitz foundation scholarship for outstanding Ph.D. students.
4. 2004: Travel Fellowship Award to attend the Human Brain Mapping Meeting.
5. 2003-2007: Visiting Fellow, National Institute of Neurological Disorders and Stroke, NIH, USA.
6. 2005: Summer Institute in Cognitive Neuroscience fellowship, Dartmouth College, USA.
7. 2005-2007: International Human Frontiers Science Program Long-Term Postdoctoral Fellow.
8. 2007: Presidential absorptions grant, The President of the Hebrew University.
9. 2008: Golda Meijer foundation tenure track lecturer fellow.
10. 2008: Alon Award fellow, Council for Higher Education, Israel.
11. 2008-2009: The National Institute for Psychobiology in Israel.
12. 2009-2010: German Israeli foundation (GIF) Young Scientists Program award.
13. 2007-2011: Marie Curie International Reintegration Grant, European Commission - The 7th Framework Program (IRG-EU-FP7).
14. 2008-2012: Israeli Science foundation grant (ISF).
15. 2009-2012: International Human Frontiers Science Program career development grant (HFSP0).
16. 2012-2018: The James S. McDonnell Foundation 2011 Scholar Award in Understanding Human Cognition (JSMF).
17. 2013: ERC Ideas fellow.
18. 2007 - Award for **outstanding Israeli projects proposals** in the “EU 7th Framework Program for Research & Technological Development”.
19. 2009 - **International Human Frontiers** Science Program, Career Development Award.
20. 2010 - The **Sieratzki-Korczyzn Prize** for advances in Neuroscience.
21. 2010 - The **Avraham Shalmon** ‘Teva’ company founder award.
22. 2011 - The **Krill Prize** for Excellence in Scientific Research, the Wolf Foundation.

23. 2011 - **Young Investigator Award** in the memory of Professor Yaacov Matzner.
24. 2013 - The **Israel Science Foundation** Research Workshops Grant for the Sensory Substitution, Brain Plasticity and Visual Rehabilitation Workshop.
25. 2013 - ERC: **European research council** grant on BrainVisionRehab (1.5m Euro)
26. 2014 - Joint grant with Prof. Sahel (IDV) and Prof Banin (Dpt of Ophtalmology)

REFEREED ARTICLES

1. **Amedi, A.^S**, Malach, R.^C, Hendler, T.^C, Peled, S.^C, Zohary, E.^{PI} (2001). Visuo-haptic object-related activation in the ventral visual pathway. Nature Neuroscience 4:324-330. 14.345;5/231(Neuroscience); {406, 283} [top 1%]
2. **Amedi, A.^S**, Jacobson, G.^S, Hendler, T.^C, Malach, R.^C, Zohary, E.^{PI} (2002). Convergence of visual and tactile shape processing in the human lateral occipital complex. Cerebral Cortex 12:1202-1212. 6.979;19/231(Neuroscience); {266, 166} [top 10%]
3. **Amedi, A.^S**, Raz, N.^S, Pianka, P.^C, Malach, R.^C, Zohary, E.^{PI} (2003). Early 'visual' cortex activation correlates with superior verbal-memory performance in the blind. Nature Neuroscience 6:758-66. 14.345;5/231(Neuroscience); {296, 201} [top 1%]
4. **Amedi, A.^S**, Floel, A.^{PD}, Knecht, S.^C, Zohary, E.^C, Cohen, LG.^{PI} (2004). Transcranial magnetic stimulation of the occipital pole interferes with verbal processing in blind subjects Nature Neuroscience 7:1266-70. 14.345;5/231(Neuroscience); {136, 96} [top 1%]
5. Raz, N.^S, **Amedi, A.^S**, Zohary, E.^{PI} (2005). V1 activation in congenitally blind is associated with episodic retrieval. Cerebral Cortex 15:1459-1468. 6.979;19/231(Neuroscience); {66, 48} [top 10%] [this paper was not submitted to previous committee but is from PhD period]
6. **Amedi, A.^{PD}**, Malach, R.^C, Pascual-Leone, A.^{PI} (2005). Negative BOLD differentiates visual imagery and perception. Neuron 48: 859-72. 13.260;6/231(Neuroscience); {104, 72} [top 1%]
7. Bermpohl, F.^{PI}, Pascual-Leone, A.^C, **Amedi, A.^{PD}**, Merabet, L.^{PD}, Fregni, F.^{PD}, Gaab, N.^S, Alsop, D.^C, Schlaug, G.^C, Northoff, G.^{PI} (2006). Dissociable Networks for the Expectancy and Perception of Emotional Stimuli in the Human Brain. Neuroimage 30:588-600. 5.739 ;1/14 (Neuroimaging); {81, 53} [top 1%]
8. Bermpohl, F.^{PI}, Pascual-Leone, A.^C, **Amedi, A.^{PD}**, Merabet, L.^{PD}, Fregni, F.^{PD}, Gaab, N.^S, Alsop, D.^C, Schlaug, G.^C, Northoff, G.^{PI} (2006). Attentional modulation of emotional stimulus processing: An fMRI study using emotional expectancy. Human Brain Mapping 27: 662-677. 6.256;2/14(Neuroimaging); {45, 37} [top 10%]
9. Merabet, LB.^S, Swisher, JD.^S, McMains, SA.^S, Halko, MA.^S, **Amedi, A.^C**, Pascual-Leone, A.^C, Somers, DC.^{PI} (2007). Combined activation and deactivation of visual cortex during tactile sensory processing. Journal of Neurophysiology 97:1633-1641. 3.1; 99/237 (Neuroscience); {65, 46} [top 30%]
10. Ramos-Estebanez, C.^{PD}, Merabet, LB.^S, Machii, K.^S, Fregni, F.^S, Thut, G.^S, Wagner, TA.^S, Romei, V.^S, **Amedi, A.^C**, Pascual-Leone A.^{PI} (2007). Visual phosphene perception modulated by sub-threshold cross-modal sensory stimulation. Journal of Neuroscience 27: 4178-4181. 7.27;17/237 (Neuroscience); {44, 33} [top 10%]
11. **Amedi, A.^{PI, #}**, Stern, W.^{PD}, Camprodon, JA.^{PD}, Bermpohl, F.^{PD}, Merabet, L.^{PD}, Rotman, S.^S, Hemond, CC.^S, Meijer, P.^C, Pascual-Leone, A.^{PI} (2007). Shape conveyed by visual-to-auditory sensory substitution activates the lateral occipital complex. Nature Neuroscience 10: 687-689. 14.2;5/237 (Neuroscience); {140, 90} [top 1%] [# corresponding author with both HUJI and Harvard affiliations]
12. Bermpohl, F.^{PI}, Pascual-Leone, A.^C, **Amedi, A.^{PD}**, Merabet, L.^{PD}, Fregni, F.^{PD}, Wrase, J.^C, Schlagenhaut, F.^C, Bauer, M.^S, Heinz, A.^S, Schlaug, G.^S, Northoff, G.^{PI} (2008). Novelty seeking modulates medial prefrontal activity during the anticipation of emotional stimuli. Psychiatry

- Research: Neuroimaging. 164: 81-85. (Clinical Neurology); {12, 9} [top 30%]
13. Romei, V^S, Brodbeck, V^C, Michel, C^C, **Amedi, A^C**, Pascual-Leone, A^C and Thut, G^{PI} (2008). Spontaneous fluctuations in posterior alpha-band EEG activity reflect variability in excitability of human visual areas. Cerebral Cortex 18: 2010-2018. 6.84; 20/237 (Neuroscience); {190, 116} [top 10%]
 14. **Amedi, A.^{PI, #}**, Merabet, L.B.^{PD}, Camprodon, J.^{PD}, Bermpohl, F.^{PD}, Fox, S.^S, Ronen, I.^C, Kim, D.S.^C, Pascual-Leone, A.^{PI} (2008). Neural and behavioral correlates of drawing in an early blind painter: a case study. Brain Research 1242: 252-262. 2.62;127/237(Neuroscience); {13, 3} [# corresponding author; Hebrew University affiliation appears in paper]
 15. Azulay, H.^S, Striem, E.^S, **Amedi, A.^{PI}** (2009). Negative BOLD in Sensory Cortices During Verbal Memory: A Component in Generating Internal Representations? Brain Topography 21: 221-231. 3.29;51/185(Clinical Neurology); {13, 9} [top 30%][# corresponding author with HUJI affiliation]
 16. Lacey, S.^{PD}, Tal, N.^S, **Amedi, A.^C**, Sathian, K.^{PI} (2009). A Putative Model of Multisensory Object Representation. Brain Topography 21:269-274. 2.080;158/231(Neuroscience); {70, 47}
 17. Tal, N.^S, **Amedi, A.^{PI, #}** (2009). Multisensory visual-tactile object related network in humans: insights gained using a novel crossmodal adaptation approach. Experimental Brain Research 198: 165-182. 2.3;150/237 (Neuroscience); {48, 32} [# corresponding author with HUJI affiliation]
 18. **Amedi, A.^{PI, #}**, Raz, N.^S, Azulai, H.^S, Malach, R.^C, Zohary, E.^{PI} (2010). Cortical activity during tactile exploration of objects in blind and sighted humans. Restorative Neurology and Neuroscience 28: 143-156. 3.35; 89/237 (Neuroscience); {44, 23} [# corresponding author with HUJI affiliation]
 19. Hertz, U.^S, **Amedi, A.^{PI, #}** (2010). Disentangling unisensory and multisensory components in audiovisual integration using a novel multi-frequency fMRI spectral analysis. NeuroImage 52: 617-632. 5.93;1/14 (Neuroimaging). {12, 9} [top 1%] [# corresponding author with HUJI affiliation]
 20. **Reich, L S., Szwed, M S, Cohen, L C, Amedi, A.^{PI, #} (2011). A Ventral Visual Stream Reading Center Independent of Visual Experience. Current Biology 21: 1–6. 10.03;16/286 (Biochemistry and Molecular biology); {56, 34} [top 5%] [# corresponding author with HUJI affiliation]**
 21. Striem, E.^S, Hertz, U.^S, **Amedi, A.^{PI, #}** (2011). Extensive cochleotopic mapping of human auditory cortical fields obtained with phase-encoding fMRI. PLoS ONE 6(3):e17832. 4.41; 12/85 (Biology); {27, 11} [top 15%] [# corresponding author with HUJI affiliation]
 22. Striem, E.^S, Dakwar, O.^S, Hertz, U.^S, Meijer, P^{C.}, Stern, W^{C.}, Pascual-Leone, A.^C, **Amedi, A.^{PI, #}** (2011); The Neural Network of Sensory-Substitution Object Shape Recognition. Functional Neurology, Rehabilitation, and Ergonomic 1: 271-278 [# corresponding author with HUJI affiliation]
 23. Maidenbaum S, Arbel R, Abboud S, Chebat D R, Levy-Tzedek S, **Amedi A** (2012). Virtual 3D shape and orientation discrimination using point distance information. Proc. of the 9th Intl Conf. Disability, Virtual Reality & Associated Technologies. {1, #}
 24. Levy-Tzedek, S.^{PD.}, Hanassy, S.^S, Abboud, S.^S, Maidenbaum, S.^S, **Amedi, A.** (2012). Fast, Accurate Reaching Movements with a Visual-to-Auditory Sensory Substitution Device. Restorative Neurology and Neuroscience 30: 313-323. {7, 2}
 25. Striem, E.^S, Guendelman ,M.^S, **Amedi, A.^{PI, #}** (2012). ‘Visual’ acuity of the congenitally blind using visual-to-auditory sensory substitution PLoS ONE 7(3): e33136. doi:10.1371/journal.pone.0033136; 12/85 (Biology); {13, 5} [top 15%] [# corresponding author with HUJI affiliation]
 26. **Striem-Amit E, Dakwar O, Reich L, Amedi A (2012). The large-scale organization of ‘visual’ streams emerges without visual experience Cerebral Cortex 22:1698-1709] [# corresponding author with HUJI affiliation] 6.84; 20/237 (Neuroscience); {17, 10} [top 10%]**
 27. **Striem-Amit,E., Cohen, L., Dehaene, S., Amedi, A. ^{PI} (2012). Reading with Sounds: Sensory**

- Substitution Selectively Activates the Visual Word Form Area in the Blind. Neuron 70: 640-652***
[The paper had a huge impact this year including highlights in the Nature magazine (under news), in the highly popular Nature Neuroscience podcast monthly pod cast and many international journals and newspapers]. {11, 1} [top 1%].
28. Levy-Tzedek, S., Novick, T., Arbel, R., Abboud, S., Maidenbaum, S., Vaadia, E., **Amedi, A.** (2012). Cross-sensory transfer of sensory-motor information: visuomotor learning affects performance on an audiomotor task, using sensory-substitution. Scientific Reports 2:949. {2, }
 29. Zeharia, N., Hertz, U., Flash, T., **Amedi, A.** (2012). **Negative blood oxygenation level dependent homunculus and somatotopic information in primary motor cortex and supplementary motor area. PNAS 109: 18565-18570. {2, 1}**
 30. Maidenbaum S, **Amedi A.**^{PI} Applying Plasticity to Visual Rehabilitation in Adulthood. Plasticity in Sensory Systems (2012): 229 2012;. {1, }
 31. Maidenbaum S, Levy-Tzedek S, Chebat DR, **Amedi A.**^{PI} Increasing Accessibility to the Blind of Virtual Environments, Using a Virtual Mobility Aid Based On the "EyeCane": Feasibility Study. PLoS1 (2013) {1, }
 32. Levy-Tzedek S, Halimi M, **Amedi A.**^{PI} Seeing with your ears: a wondrous journey across the senses. Frontiers for Young Minds (2013)
 33. Maidenbaum S, Chebat DR, Levy-Tzedek S, **Amedi A.** Depth-To-Audio Sensory Substitution for Navigation in Virtual Environments. HCI International 2014.
 34. Abboud S, Hanassy S, Levy-Tzedek S, Maidenbaum S, **Amedi A.** EyeMusic: Introducing a "visual" colorful experience for the blind using auditory sensory substitution RNN. (2014)
 35. **Hertz U, Amedi A. (2014; In Press). Flexibility and stability in sensory processing revealed using visual-to-auditory sensory substitution. Cerebral Cortex (2014)**
 36. **Striem-Amit, E., Amedi, A.^{PI}, # (2014). Visual Cortex Extrastriate Body-Selective Area Activation in Congenitally Blind People "Seeing" by Using Sounds. Current Biology 10.03;16/286 (Biochemistry and Molecular biology); { , } [top 5%] [# corresponding author with HUJI affiliation];**
 37. Maidenbaum S, **Amedi A. Sensory Substitution and Augmentation – what's happening "under the hood" in our brain? Assistive Augmentation 2014; in press**
 38. Maidenbaum S, Chebat DR, Levy-Tzedek S, **Amedi A. Blind in a Virtual World: Vision-deprived Virtual Navigation Patterns Using Depth Cues and The Effect of Extended Sensory Range CHI-WiP 2014; in press**
 39. Buchs G, Maidenbaum S, **Amedi A. Obstacle Identification and Avoidance Using the 'EyeCane' EuroHaptics 2014**
 40. Maidenbaum S, Arbel A, Shapira S, Buchs G, **Amedi A. Vision through other senses: practical use of Sensory Substitution devices as assistive technology for visual rehabilitation MED 2014**
 41. Maidenbaum S, Hanassy S, Abboud S, Buchs G, Chebat DR, Levy-Tzedek S, **Amedi A. The "EyeCane", a new electronic travel aid for the blind: Technology, behavior & swift learning RNN; in press**
 42. Maidenbaum S, Chebat DR, Levy-Tzedek S, Namer-Furstenberg R, **Amedi A. The Effect of Expanded Sensory Range via the EyeCane Sensory Substitution Device on the Characteristics of Visionless Virtual Navigation MSR 2014; in press**
 43. Levy-Tzedek S, Riemer D, Amedi A. **Color improves 'visual' acuity via sound Frontiers in Neuroscience 2014**
 44. Abboud S, Maidenbaum S, Dehaene S, **Amedi A. A number-form area in the blind Nature Communications 2014; in press**

PEER-REVIEWED REVIEWS AND BOOK CHAPTERS

45. Merabet, L.^{PI}, Rizzo, J.^C, **Amedi, A.**^{PD}, Somers, D.^C, Pascual-Leone, A.^{PI} (2005). What blindness can tell us about seeing again: Merging neuroplasticity and neuroprostheses. Nature Review Neuroscience 6:71-7. 26.483;1/231(Neuroscience); {114, 71} [top 1%]
46. **Amedi, A.**^{PI, #}, Von Kriegstein, K.^C, Van Atteveldt, N.^C, Beauchamp, MS.^C, Naumer, MJ.^{PI} (2005). Functional imaging of human crossmodal identification and object recognition Experimental Brain Research 166: 559-571. 2.256;146/231(Neuroscience); {220, 167} [special Issue on multisensory integration] [# corresponding author]
47. Pascual-Leone, A.^{PI}, **Amedi, A.**^{PD}, Fregni, F.^{PD}, Merabet, L.^{PI} (2005). The Plastic Human Brain Cortex. Annual Reviews in Neuroscience 28:377-401. 24.822;2/231(Neuroscience); {598, 346} [top 1%]
48. **Amedi, A.**^{PI, #}, Merabet, L.^{PD}, Bermpohl, F.^{PD}, Pascual-Leone, A.^{PI} (2005). The Occipital Cortex in the Blind: Lessons about Plasticity and Vision. Current Directions in Psychological Science 16: 306-311. {44, 20} [Current Directions in Psychological Science is the official journal of the American Psychological Association (APA). [# corresponding author]
49. Reich, L.^S, Maidenbaum, S.^S, **Amedi, A.**^{PI, #} (2012). The brain as a flexible task-machine: implications for visual rehabilitation using non-invasive vs. invasive approaches. Current Opinion in Neurology 25:86-95. 5.021;18/185 (Clinical Neurology). {12, 10} [top 10%]
50. Maidenbaum, S., Abboud, S., **Amedi, A.** (2013). Sensory substitution: Closing the gap between basic research and widespread practical visual rehabilitation. Neuroscience & Biobehavioral Reviews (NBR).
51. Merabet, L., **Amedi, A.**, Pascual-Leone, A. Activation of the Primary Visual Cortex by Braille reading in Blind Subjects (2006). 377-394. In: Reprogramming the Cerebral Cortex, plasticity following central and peripheral lesions (Eds. S. Lomber and D. Eggermont). Oxford University Press, New York, USA.
52. Merabet, L., Bass-Pitskel, N., **Amedi, A.**, Pascual-Leone A. (2008). 23-42. The plastic human brain in blind individuals: The cause of disability and the opportunity for rehabilitation. In: Blindness and brain plasticity in navigation and object perception, (Eds. J. J. Rieser, D. H. Ashmead, F. F. Ebner, and A. L. Corn). Lawrence Erlbaum Associates, New York, USA.
53. Bubic, A., Striem-Amit E., **Amedi, A.** Large-scale brain plasticity following blindness and the use of sensory substitution devices (2010). 351-380. In: Multisensory object perception in the primate brain (Eds. J. Kaiser and M.J. Naumer). Springer Press, New York, USA.
54. **Amedi, A.**, Merabet, L., Tal, N., Pascual-Leone, A. (2011). 465-480. Pictorial art beyond sight: revealing the mind of a blind painter. In: Art and the Senses, (Eds. F. Bacci, D. Melcher). Oxford University Press, New York, USA.
55. **Amedi, A.** The occipital lobe and language (2011). In: The Cambridge Encyclopedia of the language sciences (Ed. P. Hogan). Cambridge University Press, Cambridge, UK.
56. Striem-Amit, E., Bubic, A., **Amedi, A.** (2011). Neurophysiological mechanisms underlying plastic changes and rehabilitation following sensory loss in blindness and deafness. In: Frontiers in the Neural Bases of Multisensory Processes, (Eds. M.M. Murray & M.T. Wallace). Taylor and Francis, Oxford, UK. [In Press]
57. Maidenbaum S, **Amedi, A.** (2012). "Applying plasticity for visual rehabilitation in adulthood" In: Plastic Vision. (Eds. L. Harris & J. Steeves). Cambridge University Press, New York, USA.
58. Hillenbrand S, Raveh D, **Amedi A.** (2014) *What can sensory substitution tell us about the organization of the brain?* British Academy; in press

INVITED TALKS AND SYMPOSIUMS (SELECTED OUT OF MORE THAN 150)

1. 07/2015: 9th IBRO World Congress, Symposia on Cortical Plasticity Following Sensory Loss and Restoration, Rio de Janeiro, Brazil. "The neural correlates of hearing colors: insight from darkness on brain plasticity and stability" / Symposium speaker.
2. 03/2015: FENS 11th Göttingen Meeting of the German Neuroscience Society 2015, Germany. "The neural correlates of hearing colors: insights from darkness on brain plasticity and stability" / Symposium speaker.
3. 10/2014: Internal Seminar 2014 of the Vision Institute of Paris, Amboise, France. "The neural correlates of hearing colors: insights from darkness on brain plasticity and stability" / Invited keynote speaker.
4. 06/2014: 15th Annual Meeting of the International Multisensory Research Forum; Amsterdam, Netherlands. Advisory board member.
5. 03/2014: Synesthesia Symposium 2014, Hamburg. "A step toward closing the gap between using sensory substitution for understanding brain plasticity and stability and for widespread practical visual rehabilitation" / Invited keynote speaker.
6. 03/2014: 4th scientific conference – Neurological Restoration 2014, Cuba. "Towards closing the gap between using sensory substitution for basic research and for visual rehabilitation" / Invited keynote speaker.
7. 01/2014: Electrical Engineering, EPFL, SWISS. "'Seeing' and reading with the ears, hands and bionic eyes: from basic research to visual rehabilitation" / Invited keynote speaker.
8. 01/2014: The 9th "Alpine Brain Imaging Meeting" (ABIM) 2014, Champéry, SWISS. "A step toward closing the gap between using sensory substitution for understanding brain plasticity and stability and for widespread practical visual rehabilitation" / Invited keynote speaker.
9. 06/2013: Invited faculty in an Interdisciplinary Summer School on "Embodied Inter-subjectivity: the 1st person and the 2nd person perspectives", Aegina, Greece.
10. 06/2013: Sensory Substitution, Brain Plasticity and Visual Rehabilitation workshop, Jerusalem, Israel. "Reading with sounds: Sensory substitution selectively activates the visual word form area in the blind" / Conference Organizer and Speaker.
11. 06/2013: The 14th International Multi-Sensory Research Forum (IMRF), Jerusalem, Israel. / Conference Organizer
12. 03/2013: Israel Dealmakers Summit 2013, NYC. 'seeing' with the ears and hands: from basic research to visual rehabilitation / Invited keynote speaker.
13. 03/2013: Sensory Substitution and Augmentation Conference, The British Academy, London, UK. "Seeing Colored Images With Music Using the EYEMUSIC: From Perception to Visual Rehabilitation" / Symposium speaker.
14. 12/2012: TEDx Jerusalem, Israel. 'Seeing' with the ears and hands: from basic research to visual rehabilitation / Invited keynote speaker.
15. 04/2012: NUI symposium, Microsoft R&D, Herzelia Israel. "NUI for special needs – eyes for the blind" / Symposium speaker
16. 10/2011: The 17th Meeting of the European Society for Cognitive Psychology (ES COP), San Sebastian, Spain. "The brain as a sensory-motor task machine: insights from the dark" / Symposium speaker

17. 11/2011: *US-Canada international physicians' medical conference, Jerusalem, Israel. 'seeing' with the ears and hands: from basic research to visual rehabilitation/ Invited keynote speaker*
18. 11/2011: *The Tactile Research Group annual meeting, Seattle, USA/ Tactile and auditory approaches to sensory substitution/ Invited keynote speaker*
19. 10/2011: *12th Annual Meeting of the International Multisensory Research Forum (IMRF), Sendai, Japan; Multi-sensory integration, Sensory substitution technology and Visual rehabilitation symposium, What did visual deprivation and visual substitution studies teach us about brain organization and reorganization/ Symposium speaker*
20. 09/2011 *La Vision Institute annual meeting, Paris, France. Visual areas are highly flexible task machines: from basic research to visual rehabilitation/ Invited keynote speaker*
21. 09/2011: *Program in Cognitive, Computational and Systems Neuroscience (PICCS) Summer School, Island Monastery of Frauenchiemsee, Germany. PICCS is sponsored by the US National Science Foundation's (NSF) Partnerships for International Research and Education Program (PIRE)/ Invited symposium speaker/ Invited Faculty.*
22. 10/2011: *The 17th Meeting of the European Society for Cognitive Psychology (ESGOP), San Sebastian, Spain. "The brain as a sensory-motor task machine: insights from the dark"/ Symposium speaker*
23. 10/2011: *12th Annual Meeting of the International Multisensory Research Forum (IMRF), Sendai, Japan; Multi-sensory integration, Sensory substitution technology and Visual rehabilitation/ Symposium speaker.*
24. 09/2011: *Program in Cognitive, Computational and Systems Neuroscience (PICCS) Summer School, Germany. PICCS is sponsored by the US National Science Foundation's (NSF)/ Invited keynote and faculty.*
25. 06/2011: *International Conference on Plastic Vision, York University, Canada/ Invited speaker*
26. 06/2011: *17th Annual Meeting of the International Human Brain Mapping Organization (OHBM), Quebec City, Canada/ Symposium speaker.*
27. 05/2011: *Brain Plasticity: from science to technology symposium, Israel/ Symposium Speaker*
28. 05/2011: *International Association of Functional Neurology & Rehabilitation, Orlando US/ keynote speaker.*
29. 02/2011: *IGSN – Symposium, Ruhr University, Bochum, Germany/ Invited Keynote speaker*
30. 07/2010: *7th Forum of European Neuroscience, Amsterdam, Holland/ Symposium speaker*
31. 06/2009: *The Hebrew University's Board of Governors, Roundtable on "Neuroscience and Society"/ Speaker.*

PATENTS

The lab has 3 patents applications pending in various stages.

REFEREE FOR THE FOLLOWING JOURNALS

Current Biology; Neuron; Neuroimage; Journal of Vision; Cerebral Cortex; Journal of Neuroscience; Restorative Neuroscience and Neurology; Journal of Neurophysiology; Human Brain Mapping; European Journal of Neuroscience.

REFEREE FOR THE FOLLOWING GRANTING AGENCIES

The Wellcome Trust, UK; Economic and Social Research Council (ESRC), UK; National Science Foundation (NSF), US; Israel Science Foundation (ISF), Israel; The National Institute for psychobiology in Israel, Israel.