

Curriculum Vitae

David A. Leopold, Ph. D.

Chief, Unit on Cognitive Neurophysiology and Imaging
Laboratory of Neuropsychology, NIMH
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Employment

2004-present Tenure track investigator, National Institutes of Health
1997-2003 Research Scientist, Max Planck Institute for Biological Cybernetics

Education

1992-1997 Ph.D. Baylor College of Medicine, Division of Neuroscience
1987-1991 B.S.E. Duke University, Biomedical Engineering

Honors and Awards

2006 Outstanding Mentor Award, National Institutes of Health
1993 Professor John J. Trentin Award for Scholastic Excellence
1991 NIH-MSTP (Medical Scientists Training Program) Fellowship
1991 Magna Cum Laude, Duke University
1991 Graduation with Distinction in Biomedical Engineering, Duke University
1990 Tau Beta Pi, National Engineering Honor Society
1990 NSF/ERC (Engineering Research Center) Undergraduate Fellowship

Journal Publications

33. Maier, A., Wilke, M., Aura, C., Zhu, C., Ye, F.Q., Leopold, D.A. (2008)
Divergence of electrical and fMRI signals in primary visual cortex during
perceptual suppression. *Nature Neuroscience*. (in press)

32. Shmuel, A. and Leopold, D.A. (2008) Neuronal correlates of spontaneous fluctuations in fMRI signals in monkey visual cortex: implications for functional connectivity at rest. *Human Brain Mapping*, 29(7):751-61.
31. Rhodes, G., Jeffery L., Clifford C.W., and Leopold, D.A. (2007) The timecourse of higher level aftereffects. *Vision Research*. 47(17):2291-6.
30. Giese M.A. and Leopold D.A.. (2007) Wie wir Gesichter erkennen. *Spektrum der Wissenschaft*. 3/07: 20-23.
29. Maier A., Logothetis N.K., and Leopold, D.A. (2007) Context dependent perceptual modulation in monkey visual cortex. *Proceedings of the National Academy of Sciences of the United States of America*, 104 (13):5620-5625.
28. Wang, Z., Maier A, Leopold DA, Logothetis NK, and Liang, H (2007) Single-trial evoked potential estimation using wavelets. *Computation in Biology and Medicine*. 37(4):463-473.
27. Wilke M., Logothetis N.K., and Leopold, D.A. (2006) Local field potential reflects perceptual suppression in monkey visual cortex. *Proceedings of the National Academy of Sciences of the United States of America*, 103(46):17507-12.
26. Wang, Z., Maier A, Leopold DA and Liang, H (2006) Relaxation based multichannel signal combination (RELAX-MUSIC) for ROC analysis of percept-related activity *IEEE Trans Biomed Eng*, 53(12 Pt 2):2615-8.
25. Leopold, D.A., Bondar, I., and Giese, M (2006) Norm-based face encoding by single neurons in the monkey inferotemporal cortex. *Nature*, 442(7102):572-5.
24. Fukunaga M., Horovitz S.G., van Gelderen P., de Zwart J.A., Jansma J.M., Ikonomidou V., Chu R., Deckers R. H. R., Leopold D. A., and Duyn J. H. Large amplitude spatially correlated fluctuations in BOLD fMRI signals during extended rest and early sleep stages. *Magnetic Resonance in Medicine*. 24(8),979-92.
23. Leopold, D.A. and Maier A. (2005) Neuroimaging: Perception at the brain's core. *Current Biology*, 16(3), R95-8.
22. Maier A., Logothetis N.K., and Leopold D.A. (2005). Global competition dictates local suppression in pattern rivalry. *Journal of Vision*, 5(9): 668-77.
21. Leopold, D.A. and Wilke, M. (2005) Neuroimaging: Seeing the trees for the forest. *Current Biology* 15(18):R766-8.
20. Giese M. A., Leopold D.A. (2005) Physiologically inspired neural model for the encoding of face spaces. *Neurocomputing*, 65-66, 93-101.

19. Leopold, D.A., Rhodes, G., Mueller K.-M., and Jeffrey, L (2005) The dynamics of visual adaptation to faces. *Proceedings of the Royal Society, Series B*, 272(1566):897-904.
18. Leopold, D.A. (2003) Motion perception: read my LIP. *Nature Neuroscience*, 6(6), 548-549.
17. Wilke, M., Logothetis, N.K., and Leopold, D.A. (2003). Generalized flash suppression of salient visual targets *Neuron*, 39, 1043-1052.
16. Leopold, D.A., Maier, A., and Logothetis, N.K. (2003) Measuring subjective visual perception in the nonhuman primate. *Journal of Consciousness Studies* 10(9-10), 115-30.
15. Maier, A., Wilke, M., Logothetis, N.K., and Leopold, D.A. (2003). Perception of temporally interleaved ambiguous patterns. *Current Biology*, 13, 1076-1085.
14. Leopold, D.A. and Logothetis, N.K. (2003) Spatial patterns of spontaneous local field activity in the monkey visual cortex. *Reviews in the Neurosciences*, 14, 195-205.
13. Leopold, D.A., Murayama, Y. and Logothetis, N.K. (2003) Very slow activity fluctuations in monkey visual cortex: implications for functional imaging. *Cerebral Cortex* 13(4), 422-33.
12. Leopold, D.A. (2003) Visual Perception: Shaping What We See. *Current Biology*. 13, R10-R12.
11. Leopold, D.A., Wilke, M., Maier, A., and Logothetis, N.K. (2002) Stable perception of visually ambiguous patterns. *Nature Neuroscience*, 5:6, 605-609.
10. Leopold, D.A., Plettenberg, H.K, and Logothetis, N.K. (2002) Visual processing in the ketamine-anesthetized monkey: optokinetic and blood oxygen level-dependent responses. . *Experimental Brain Research* 143:359-372.
9. Leopold, D.A. (2002) Visual Neurophysiology: Recordings from the Human Primate. *Current Biology*. 12, R582-R584.
8. Leopold, D.A., O'Toole, A.J., Vetter T., and Blanz, V. (2001) Prototype-referenced shape encoding revealed by high-level aftereffects. *Nature Neuroscience*, 4:1, 89-94.
7. Leopold, D.A. and Logothetis N.K. (1999) Multistable phenomena: changing views in perception. *Trends in Cognitive Sciences*, Vol 3., No. 7, pp 254-264.

6. Leopold, D.A. and Logothetis N.K. (1998) Microsaccades differentially modulate neural activity in the striate and extrastriate visual cortex. *Experimental Brain Research*, Vol 123, pp 341-345.
5. Logothetis, N.K., Leopold, D.A. and Sheinberg, D. (1996) What Is Rivaling during Binocular Rivalry? *Nature* 380:621-624.
4. Leopold, D.A. and Logothetis, N.K. (1996) Activity changes in Early Visual Cortex Reflect Monkeys' Percepts During Binocular Rivalry. *Nature* 379:549-553.
3. Logothetis, N.K. and Leopold, D.A. (1995) On the Physiology of Bistable Percepts. A.I. Memo, No: 1553, C.B.C.L. Paper No. 125, pp: 1-20.
2. Leopold, D.A., Fitzgibbons, J.C., and Logothetis, N.K. (1995) The Role of Attention in Binocular Rivalry as Revealed through Optokinetic Nystagmus. A.I. Memo, No: 1554, C.B.C.L. Paper No. 126, pp:1-17.
1. Agrawal, C.M., Haas, K.F., Leopold, D.A., and Clark, H.G. (1992) Evaluation of poly(L-lactic acid) as a material for intravascular polymeric stents. *Biomaterials*. 13(3) 176-182.

Meeting Abstracts

- Maier, A.V, Aura, C.J. and Leopold, D.A. (2007) Laminar differences in perceptual modulation of V1 local field potentials. Society for Neuroscience Abstr.
- Mueller, K.-M., Wilke, M., and Leopold, D.A. (2007) Shape selectivity of field potentials and neurons in macaque area V4. Society for Neuroscience Abstr.
- Wilke, M., Turchi, J., Zhu, J, Mueller, K. M., Ye, F., and Leopold, D. A., (2007) Effects of reversible inactivation of pulvinar on neural and BOLD responses in visual cortex. Society for Neuroscience Abstr.
- Pelled, G., Bergstrom, D.A., Chuang, K.-H., Tierney, P.L., Conroy, R.S., Yu, D., Leopold, D.A., Walters, J.R., and Koretsky, A.P. (2007) fMRI activation of the ipsilateral somatosensory cortex following forepaw denervation is associated with increased activity of cortical interneurons. Society for Neuroscience Abstr.
- Tanji, K, Leopold, D.A., Ye, F., Zhu, C., Malloy, M., Saunders, R. and Mishkin, M. (2007) Sound level dependent activation in the macaque auditory cortex - an fMRI study. Society for Neuroscience Abstr.
- Wang, Z., Maier, A, Logothetis, N.K., Leopold, D.A., and Liang H (2007) Prestimulus activity in area MT predicts psychophysical performance in a bistable motion task. Society for Neuroscience Abstr.
- Pelled, G, Chuang KH, Bergstrom D, Weng JC, Leopold DA, Walters JR, and Koretsky AP (2007) Increased interneuron activity is associated with ipsilateral fMRI activation following forepaw denervation. ISMRM Abstract
- Bondar, I.V., D. A. Leopold, and N K Logothetis (2006) "Pattern-selective cortical neurons show long-term stability in their stimulus preferences and temporal dynamics" European

- Conference on Visual Perception Abstr.
- Liang, H., X. Wang, Z. Wang, Logothetis, N.K., D.A. Leopold, A. Maier. (2006) A comparison of local field potentials and spiking activity to predict perceptual report during bistable visual stimulation. Society for Neuroscience Abstr.
- Maier, A., Wilke, M. Aura, C., Zhu, C., Ye, F.Q., Leopold, D.A. (2006) Stimulus invisibility uncouples BOLD from neuronal responses in monkey primary visual cortex. Society for Neuroscience Abstr.
- Aura, C., Maier, A. & Leopold, D.A. (2006) Neuronal activity across cortical layers in monkey visual cortex. Society for Neuroscience Abstr.
- K-M Mueller, M. Wilke, and D. A. Leopold, (2006) Neural responses in monkey area V4 and pulvinar following visual shape adaptation. Society for Neuroscience Abstr.
- K. Tanji, M. Malloy, D. Leopold, F. Ye, C. Zhu, R. Saunders, M. Mishkin (2006). Visualization of tonotopic reversal on the supratemporal plane of the monkey. Society for Neuroscience Abstr.
- Z. Wang, A. Maier, D. A. Leopold, H. Liang. (2006). Linear combination of neuronal signals in area MT improves determination of perceptual states. Society for Neuroscience Abstr.
- Wilke M, Kai-Markus Mueller, David A. Leopold (2006). "The role of thalamo-cortical interactions in supporting visibility", Society for Neuroscience Abstr.
- Maier A., M. Wilke, N.K. Logothetis and D. A. Leopold (2005) "Flash suppression in monocular and binocular rivalry: psychophysical and neurophysiological observations", VSS Abstr
- David A. Leopold, Gillian Rhodes, Kai-Markus Müller, Linda Jeffery (2005) "The dynamics of visual adaptation to faces" , VSS Abstr
- Kai-Markus Müller, Marc O. Ernst, David A. Leopold (2005) "Contributions of convexity and aspect ratio to figural aftereffects" , VSS Abstr
- M. Wilke, N. K. Logothetis* and D. A. Leopold (2005) "Effect of stimulus onset asynchrony on perceptual modulation in macaque V4" , VSS Abstr
- Maier, A., Logothetis, N.K. & Leopold, D.A. (2003) "Perception-related neural modulation in the visual cortex for pairs of different ambiguous patterns", Society for Neuroscience Abstr.
- Wilke M. , Logothetis N.K., and Leopold D. A. (2003) "Neural activity during induced visual suppression in the monkey", Society for Neuroscience Abstr.
- Bondar I.V., Leopold D.A., Boldyrev A.A. and Logothetis N.K., (2003) "Long-term stability of complex neural responses in monkey inferotemporal cortex", Society for Neuroscience Abstr.
- Leopold, D.A., Bondar, I.V., Giese M.A., and Logothetis N.K., (2003) "Prototype-referenced encoding of faces in the monkey inferotemporal cortex.", Society for Neuroscience Abstr.
- Leopold, D.A., Augath, M.A. and Logothetis, N.K. (2002) "Visualizing global brain networks in the monkey using combined fMRI and electrophysiology" Society for Neuroscience Abstr.
- Wilke, M., Leopold, D.A., Logothetis, N.K. (2002) "Flash suppression without interocular conflict" Society for Neuroscience Abstr.
- Maier, A., Leopold D.A., Logothetis, N.K. (2002) "Neural activity during stable perception of ambiguous displays in monkey visual cortex." Society for Neuroscience Abstr.
- Ghazanfar, A.A., J. Pauls, D.A. Leopold, M.D. Hauser and N.K. Logothetis (2002), "Neural responses to species-specific vocalizations in the auditory association cortex of the awake behaving rhesus monkey." Society for Neuroscience Abstr.
- Leopold, D.A., Bondar, I.V., O'Toole, A.J., and Logothetis, N.K. (2002) "Exploring face representation in humans and monkeys using high-level aftereffects." European Conference on Visual Perception Abstr.
- Bondar, I.V., Leopold, D.A., and Logothetis, N.K. (2002), "Evidence for prototype-referenced encoding of faces in the monkey." 3rd Forum of European Neuroscience, Paris.
- Maier, A., Wilke, M, Leopold, D.A. & Logothetis, N.K. (2002) Parallel perception of multiple

- visually bistable patterns. Tuebingen Wahrnehmungs-Konferenz
- Wilke, M., Maier, A., Leopold, D.A. & Logothetis, N.K. (2002) Periods of stimulus absence stabilize the perception of ambiguous patterns. Tuebingen Wahrnehmungs-Konferenz
- Bondar, I.V., Leopold, D.A., Pauls, J.M. & Logothetis, N.K. (2002) Investigation of face representation in monkeys using adaptational aftereffects. Tuebingen Wahrnehmungs-Konferenz
- Haiss, F., Leopold, D.A., Pauls J.M., & Logothetis, N.K. (2002) Dynamics of brain state transitions during anesthetic induction in the monkey. Tuebingen Wahrnehmungs-Konferenz
- Leopold, D.A., Murayama, Y. and Logothetis, N.K. (2001) "Determinants of neural activity covariation in macaque visual cortex under different behavioral states" Society for Neuroscience Abstr.
- Murayama, Y., Leopold, D.A., and Logothetis, N.K. (2001) "Perception-related neural activity in the temporal lobe of rhesus monkeys under different conscious states" Society for Neuroscience Abstr.
- Silver, M.A., Leopold, D.A., and Logothetis, N.K. (2001) "The effects of global perturbations on perceptual dominance during binocular rivalry between interocularly switched stimuli" Society for Neuroscience Abstr.
- Bondar, I.V., Leopold, D.A., Pauls, J.M. and Logothetis, N.K. (2001) "Neural responses related to face identity in the inferotemporal cortex of monkeys measured with 64 implanted electrodes" Society for Neuroscience Abstr.
- Wilke, M., Maier, A., Leopold, D.A., Treue, S., and Logothetis, N.K. (2001) "Periods of stimulus absence stabilize perception of ambiguous patterns" Society for Neuroscience Abstr.
- Maier, A., Wilke, M., Leopold, D.A., Ghazanfar, A., and Logothetis, N.K. (2001) "Parallel perception of multiple visually bistable patterns" Society for Neuroscience Abstr.
- Leopold, D.A., Murayama, Y. and Logothetis, N.K. (2000) "Intra- and Interareal Covariation of Neural Activity during Multistable Perception in the Monkey" Society for Neuroscience Abstr. #498.10, Vol: 26, pp. 1332
- Plettenberg, H., Leopold, D.A., Smirnakis, S.M., and Logothetis, N.K. (2000) "Perception-related Optokinetic Responses in the Semi-conscious Monkey" Society for Neuroscience Abstr. #250.11, Vol: 26, pp. 671.
- Murayama, Y., Leopold, D.A., and Logothetis, N.K. (2000) "Neural Activity During Binocular Rivalry in the Anesthetized Monkey", Society for Neuroscience Abstr. #448.11, Vol: 26, pp. 1200.
- Leopold, D.A. and Logothetis, N.K. (1998), "The Influence of Microsaccadic Eye Movements on Neuronal Activity in the Cortical Visual Areas", Proceedings of the 26th Goettingen Neurobiology Conference, Vol 1, pp 79.
- Leopold, D.A. Sheinberg, D., and Logothetis, N.K. (1995) Binocular Rivalry: Interocular or Interstimulus Competition? Invest. Ophthalmol. Vis. Sci. Suppl. 36:S668.
- Leopold, D.A. and Logothetis, N.K. (1995) Cell Activity in the Early Visual Cortex of Behaving Monkeys During Binocular Rivalry. Society for Neuroscience Abstr. Vol: 22, pp. 19
- Sheinberg, D., Leopold, D.A. and Logothetis, N.K. (1995) Effects of Binocular Rivalry on Face Cell Activity in Monkey Temporal Cortex. Society for Neuroscience Abstr. Vol: 22, pp. 19
- Leopold, D.A. and Logothetis, N.K. (1995) Cell Activity Reflects Monkey's Perception During Binocular Rivalry. Invest. Ophthalmol. Vis. Sci. Suppl. 36:S813.
- Sheinberg, D., Leopold, D.A. and Logothetis, N.K. (1995) Controlling Perceptual Alternations During Binocular Rivalry. Invest. Ophthalmol. Vis. Sci. Suppl. 36:S668.

Book Chapters

- Maier, A. and Leopold, D. A. (2008) Binocular Rivalry. In OUP Companion to Consciousness (ed. P. Wilken, T. Bayne, and A. Cleeremans). Oxford University Press.
- Leopold, D. A. & Bondar, I. (2005) Adaptation to complex visual patterns in humans and monkeys. In Fitting the mind to the world: adaptation and aftereffects in high-level vision (ed. C. W. Clifford & G. Rhodes). Oxford University Press, 189–211.
- Leopold, D.A., Maier, A., Wilke, M. and Logothetis, N.K. (2004) Binocular Rivalry and the Illusion of Monocular Vision, in Binocular Rivalry and Perceptual Ambiguity (Eds. D. Alais and R. Blake), MIT Press, Cambridge, MA.
- Logothetis, N.K. and Leopold, D.A. (1997). Single Neuron Activity and Visual Perception. The Tucson Proceedings, (Eds. Stuart Hameroff), In Toward a Science of Consciousness II. The second Tucson Discussions and Debates, pp. 309-319. MIT Press, Cambridge, MA.
- Logothetis, N.K., Leopold D.A., and Sheinberg D.L. (1997) Neural Mechanisms of Perceptual Organization, Cognitive Studies: Bulletin of the Japanese Cognitive Science Society, Volume 4, No. 3 pp. 99-119.
- Logothetis, N.K., Leopold, D.A. and Sheinberg, D.L. (1996) Proceedings of the International Institute for Advanced Studies, Kyoto, Japan, p.141-161.

Invited Talks

- 14 March 2008, Helmholtz Lecture. Utrecht University, Utrecht Holland. “What IS a neural correlate of perceptual suppression?”
- 15 October 2007, Boynton Colloquium. University of Rochester, NY. “A dissociation of basic neural signals in V1 during perceptual suppression”
- 20 June 2007, International Neuropsychological Symposium. Mati, Greece. “Using fMRI and microelectrodes to investigate perceptual suppression in awake monkeys”
- 19 April 2007, Yale University, New Haven, CT. “What processes in the brain make a stimulus visible?”
- 4 April 2007, Bogue Lecture, Mind Brain Institute, Johns Hopkins University, Baltimore Maryland, “Neural correlates of visual perception measured with electrophysiology and fMRI”
- 26 January 2007, Conference on Brain Network Dynamics, Berkeley, California, “The role of the primary visual cortex in multistable perception”
- 29 October 2006, University of Western Australia, Perth, “Norm-based encoding of faces in the monkey inferotemporal cortex”
- 25 October 2006, Institute for Higher Nervous Function, Moscow, Russia, “Neural processes underlying visibility and recognition”
- 25 September 2006, New York University, NY. “What brain processes make a stimulus visible?”
- 21 September 2006, Newcastle University, Newcastle UK. “Combining fMRI and neurophysiology to study visual perception in the monkey”
- 14 September 2006, Massachusetts Institute of Technology, “Norm-referenced encoding of faces in the monkey inferotemporal cortex”
- 9 July 2006, FENS Symposium on Consciousness, Vienna, Austria, “What brain processes make a stimulus visible?”
- 22 June 2006, NIH Imaging Symposium, Bethesda, MD, “Combining fMRI and neurophysiology to study visual perception in the monkey”

- 11 June 2006, Human Brain Mapping Meeting, Florence, Italy. “Relating principles of electrophysiology to functional imaging”
- 12 May 2006, Baylor College of Medicine, Houston, TX. “What brain processes make a stimulus visible?”
- 15 February 2006, University of Texas, Houston, TX. “Prototype-referenced encoding of faces in the monkey inferotemporal cortex”
- 5 September 2005, Helmholtz Symposium, Utrecht, The Netherlands. “Binocular rivalry and the illusion of monocular vision”
- 26 June 2005, Caltech, ASSC9. “Adaptational aftereffects to simple and complex shapes”
- 21 April 2004, Isle of Mull, Scotland. "Norm-based face encoding in the monkey inferotemporal cortex"
- 7 April 2004, Tucson Arizona, Center for Consciousness Studies, “What are the neural correlates of consciousness?”
- 18 December 2003, Human Neuroimaging Conference, Neurology Clinic, Basel, Switzerland. “Mapping spontaneous neural activity in the brain with fMRI”
- 12 December 2003, Donders Center, Nijmegen, The Netherlands. “Neural responses during high-level adaptation to faces in monkey”
- 24 November 2003, German Primate Center, Goettingen, Germany. “Neural responses during Generalized Flash Suppression”
- 25 August 2003, Marine Biology Laboratory, Woods Hole, MA. “Slow changes in fast brain potentials: implications for fMRI”
- 12 June 2003, Goettingen, Germany, Goettingen Neurobiology Conference, Symposium on Adaptation, “Aftereffects with faces: evidence for prototype referenced encoding of identity”
- 31 May 2003, Memphis, TN, Association for the Scientific Study of Consciousness, Symposium on Binocular Rivalry, “Binocular rivalry and the illusion of monocular vision”
- 14 April 2003, California Institute of Technology, Dept. Neurobiology, “Unifying neural mechanisms of perceptual organization.”
- 14 January 2003, California Institute of Technology, Dept. Neurobiology, “Neural mechanisms of multistable visual perception in the monkey”
- 22 November 2002, National Institutes of Health, “High-level perceptual aftereffects and the encoding of faces in monkey inferotemporal cortex.”
- 18 November 2002, Harvard College, Department of Biology, “High-level perceptual aftereffects and the encoding of faces in monkey inferotemporal cortex.”
- 12-15 June 2002, San Miniato, Italy, Workshop on Binocular Rivalry and Perceptual Ambiguity, “Instability and stability in the visual cortex during perceptual rivalry”
- 2-9 May 2002, Kunming China, Second Symposium on Complex Biological Systems. "Brain mechanisms of face recognition in man and monkey".
- 1 April 2002, Stanford University, Dept. Neurobiology, “Neural mechanisms of multistable visual perception in the monkey”
- 5 March 2002. Harvard Medical School, “Neural mechanisms of multistable visual perception”.
- 25-27 February 2002. ETH, Zuerich, Switzerland, “Visualizing spontaneous activity networks in the primate brain using combined fMRI and microelectrode recordings”
- 7 January 2002. Massachusetts Institute of Technology, “Exploring spontaneous brain events: electrophysiological and neuroimaging approaches”.
- 17-21 August 2001. Big Sky, USA, Cooperative dynamics of neocortex. “Exploring spontaneous brain events: electrophysiological and neuroimaging approaches”.
- 9-10 February 2001. Marburg, Germany, Dept. of Physics “Intra- and interareal covariation of activity during multistable perception in the monkey”.

- 4-10 September 2000. Kunming, China. Symposium on Complex Biological Systems. “Neural correlates of visual perception”.
- 14-17 May 2000. Cold Spring Harbor, NY. Toward animal models of attention and consciousness. “Neural activity during multistable vision in the monkey”.
- 25-27 February 2000. Tuebingen, Germany. Tuebingenwahrnehmungskongferenz (Tuebingen perception conference). “Neural correlates of stable and multistable perception in the monkey”.
- 28 September – 1 October 1999. Bielefeld, Germany. KogWis99, Meeting of the Society for Cognitive Science. “The language of vision”.
- 8-9 October 1998. Heidelberg, Germany. Heidelberg Brain Symposium. “Stability and instability in visual perception”.

Graduate Students

- Alexander Maier, Ph.D. (2005) Graduate School for Behavioral and Neural Sciences, Tübingen, Germany.
- Melanie Wilke, Ph.D. (2005) Graduate School for Behavioral and Neural Sciences, Tübingen, Germany.
- Kai-Markus Müller, Masters. (2004) Graduate School for Behavioral and Neural Sciences, Tübingen, Germany. (Ph.D. pending)
- Holger Plettenberg, Diploma (German Masters). (2002) University of Stuttgart, Stuttgart, Germany.

Thesis Committees (external member)

Ryota Kanai (2005), Helmholtz Institute, Utrecht University.
 Chris Paffen (2005), Helmholtz Institute, Utrecht University.
 Tamara Watson (2006), School of Psychology, University of Sydney.

Peer Review

Biological Cybernetics
 BMC Neuroscience
 Cerebral Cortex
 Current Biology
 European Journal of Cognitive Psychology
 Journal of Neuroscience
 Journal of Neuroscience Methods
 Journal of Neurophysiology
 Journal of Vision
 Nature
 Nature Neuroscience
 Nature Reviews Neuroscience
 Neuron
 Neuroimage
 Perception
 Psychological Bulletin

PLoS Biology

PNAS

Perception and Psychophysics

Proceedings of the Royal Society

Science

Trends in Cognitive Sciences

Vision Research