

## Curriculum Vitae

### Zoe Kourtzi

University of Birmingham  
Behavioural and Brain Sciences  
School of Psychology  
Edgbaston, Birmingham  
B15 2TT UK  
tel: 121 414 8509  
fax: 121 414 4897  
e-mail: z.kourtzi@bham.ac.uk

Date of Birth: 12/08/1971  
Place of Birth: Athens, Greece

#### EDUCATION

**1993** B.S. in Psychology, University of Crete, Greece  
**1995** M.A. in Cognitive Psychology, Rutgers University-Newark  
**1998** Ph.D. in Cognitive Psychology, Rutgers University-Newark

#### RESEARCH EXPERIENCE

**1993 - 1998** Graduate Studies at Rutgers University, Psychology Department  
**1/94 - 1/95** Research at Rutgers University, Center of Neuroscience  
**6/96 - 8/96** Research at Cambridge Basic Research, Nissan  
**5/97 - 8/97** Research at Advanced Telecommunications Research, Kyoto, Japan  
**9/98 - 12/99** Postdoctoral Training at Harvard University, Vision Science Lab  
**9/98 - 9/02** Postdoctoral Training at MIT, Dep. of Brain & Cognitive Science  
**7/00 - 9/02** Visiting Scientist, Max Planck Institute for Biological Cybernetics  
**9/02 - 9/05** Research Scientist (C3 position), Max Planck Institute, Tuebingen, Germany  
**1/05 - present** Professor, Chair in Brain Imaging, Birmingham University, UK

#### RESEARCH AREA

My research focuses on imaging the neural processes in the human brain that mediate complex, adaptive cognitive functions and behaviour. The aim of my work is to understand the neural processes that mediate complex cognitive functions (i.e. object categorization, recognition, perceptual decisions) and their experience-based and developmental neural plasticity. In particular, we combine multimodal brain imaging methods (structural and functional MRI, EEG, MEG), established behavioural paradigms from cognitive psychology and state-of-the art mathematical algorithms to understand the link between brain structure, neural function and behaviour. The development of these multidisciplinary and advanced tools has direct applications for translational research into ageing and neurological disorders with potential impact for the prevention and treatment of nervous system disorders. Within this framework research in my lab spans diverse areas in neuroscience: visual brain imaging, learning and plasticity, cognitive development of the intact and impaired brain across the lifespan from infancy to ageing.

#### TEACHING EXPERIENCE

**1/06-present** Brain Imaging in Visual Neuroscience, University of Birmingham  
**1/01-30/05** Cognitive Neuroscience (Seminars and Labs)  
**Fall 1993** Empirical Methods in Psychology, Rutgers University (TA)  
**Spring 1996** Cognitive Processes, Rutgers University (TA)  
**Spring 1997** Empirical Methods in Psychology, Rutgers University (TA)

## **LAB MEMBERS**

Post-Doctoral fellows: 3

Graduate students: 3

## **PROFESSIONAL AFFILIATIONS**

The Society for Neuroscience

Vision Sciences

British Association of Cognitive Neuroscience

## **AWARDS**

1. Vision Science Society Young Investigator Award, May 2007.
2. Attempto-Preis, University of Tuebingen, May 2003.
3. Best Dissertation Award, New Jersey Psychological Association, 1998.
4. Rutgers University Excellence Doctoral Fellowship in Psychology, 1994-1998.

## **GRANTS**

1. FP7-PEOPLE-2007-1-1-ITN CODDE-Co-ordination for optimal decisions in dynamic environments  
Funding Scheme: Marie Curie Actions-Networks for Initial Training, PIs: AE Welchman, Z Kourtzi, A Wing, G Humphreys, 01/09/2008- 30/09/2010, 3,170,278.87 Euro
2. NIH-NEI, "Form processing in peripheral vision." PI: B Tjan, Co-PI: Z Kourtzi, 2008-2013.
3. BBSRC, United States Partnering Award (USPA) 2007, Lifelong learning and cortical plasticity in the human brain, PI: Z Kourtzi, Co-PIs: G Humphreys, D Levi, M D'Esposito, 01/09/08-30/09/11, £30,000.
4. EPSRC, Bridging the Gaps, Multi-disciplinary Optimisation and Data Mining at Birmingham, PIs: X Yao, A Chan, M Kocvara, Z Kourtzi, 01/04/2008-30/03/2011. £360,000.
5. BBSRC, Attentional demands of state transitions in posture and balance, PI: A Wing, Co-PI: Z Kourtzi 2008-2011, £449,843.
6. BBSRC, ISIS International Fellowships scheme, Predicting perceptual decisions from human brain activity, £ 3,000
7. Cognitive Foresight Initiative (BBSRC, EPSRC BB/E027436/1): Classification decisions in machines and human brains. 01/04/07-30/03/10: £1.170,116.
8. Research Equipment Initiative (BBSRC): High-resolution mutlimodal imaging for multisensory interactions, 01/03/07-30/02/08: £74,975.
9. Royal Society: International Incoming Short Visits 2006/R2: Neural Correlates of Shape-from-Shading, Z. Kourtzi & P. Gerardin, 01/10/06-30/12/06: £3,732.
10. BIBEMS Application for Internal Collaboration Costs, University of Birmingham: A feasibility study for the development of Diffusion-Tensor Magnetic Resonance Imaging in the investigation of human brain development and the associated effects of pathology. T. Arvanitis (Engineering), A. Peet (Medicine and Birmingham Children's Hospital), Z. Kourtzi (Psychology), and N. Davies (University Hospital), 01/11/06-30/04/06: £2,000.
11. Heart of England ART centre: Towards integrative research excellence: an ART network for the Midlands, Kourtzi (Co-PI), 01/10/06:£105,000.
12. Research Into Ageing: Discipline Hopping Award: Categorical decisions in the ageing human brain, 01/02/2007-30/01/2008: £49,906.
13. Strategic Promotion of Ageing Research Capacity, (BBSRC/EPSRC: 041005), In search of biomarkers for cognitive ageing in the human brain, 09/06-08/07, £29,961.
14. BBSRC (BB/D52199X/1), Perceptual learning of Shapes in the human visual cortex, 01/11/2005-30/02/09, £301,400.24
15. Australian Research Council, Segmentation and completion in visual object perception: Behavioural and neural perspective, 2006-09, \$200,000.
16. NEI, Uncertainty and the Order of Visual Processing in Cortex, 2005-08 \$488,375

17. ETHZ, Swiss Federal Institute of Technology research grant, 2004-2007
18. IZKF Promotionskolleg (research grant from the German Research Society), 2004-2005
19. Sonderforschungsbereichs 550 (German Research Council), 2003-2005
20. McDonnell-Pew Post-doctoral Training Grant, 1999-2002
21. Sigma Xi Grant, 1996-1998.

## COMMITTEE SERVICE

1. Journal of Neurophysiology, Assistant Editor (June 2008)
2. Journal of Vision, Assistant Editor (January 2008)
3. Journal of Experimental Psychology: Human Perception & Performance, Consulting Editor (since 2005).
4. Reviewing Editor, Frontiers in Neuroscience (November 2007).
5. BBSRC: Animal Sciences Committee, Review Panel Member (since January 2008)
6. Collaborative Research in Computational Neuroscience (CRCNS): Joint NSF, NIH Research Council Program: Invited Review Panel member (2006).
7. VSS (Vision Sciences Society): Board of Directors (2008-2012)
8. VSS (Vision Sciences Society): Review Committee (2000-2008)
9. ECVF (European Conference of Visual Perception) 2007: Scientific Committee
10. ECVF (European Conference of Visual Perception) 2008: Review Committee
11. BVAI (2nd International Symposium on Brain, Vision & Artificial Intelligence) 2007: International Scientific Committee.
12. SPARC Workshop: Rehabilitation in Ageing: Regaining Function and Action, April 2008, University of Birmingham, Organiser and Chair.
13. Birmingham University Imaging Centre Seminar Series, 2005-2008, Organiser.
14. UCL-Birkbeck Chair of Cognitive Neuroimaging Interview Committee: External member, 2007

## PUBLICATIONS

1. Schwarzkopf DS, & Kourtzi Z. (2008) Experience shapes the utility of natural statistics for perceptual contour integration. *Current Biology* (in press).
2. Kourtzi Z, Krekelberg B, van Wezel R. (2008). Linking form and motion in the primate brain. *Trends in Cognitive Sciences*, 12, 230-236.
3. Ostwald D, Lam, JM, Li S, Kourtzi Z. (2008) Neural coding of global form in the human visual cortex. *J Neurophys*, 99, 2456-69.
4. Kourtzi, Z (2008). 'Challenges in object recognition: A commentary on Biederman & Cooper, 1991, *Perception*, in press.
5. Lestou V, Pollick F, Kourtzi Z (2008) Neural substrates for action understanding at different description levels in the human brain. *Journal of Cognitive Neurosci*, 20, 324-341.
6. Li S, Ostwald D, Giese M, Kourtzi Z. (2007) Flexible coding for categorical decisions in the human brain. *J Neurosci*. 27, 12321-30.
7. Weigelt S, Kourtzi Z, Kohler A, Singer W, Muckli L. (2007) The cortical representation of objects rotating in depth. *J Neurosci.*, 27, 3864-74.
8. Chandrasekaran CF, Canon V, Dahmen JC, Kourtzi Z, Welchman AE. (2007) Neural correlates of disparity-defined shape discrimination in the human brain. *J Neurophys*, 97, 1553-1565.
9. Kourtzi Z, DiCarlo JJ (2006) Learning and neural plasticity in visual object recognition. *Current Opinion in Neurobiology*, 16, 152-8.
10. Kourtzi Z, Augath M, Logothetis NK, Movshon JA, Kiorpes L (2006). Development of visually-evoked cortical activity in infant macaque monkeys studied longitudinally with fMRI. *Magnetic Resonance Imaging*, 24, 359-66.
11. Jastorff J, Kourtzi Z, Giese M (2006). Learning to discriminate complex movements: Biological versus artificial trajectories, *J of Vision*, 6, 791-804.

12. Tjan B, Lestou, V, Kourtzi Z (2006) Uncertainty and invariance in the human visual cortex. *J Neurophys*, 96:1556-1568.
13. Kourtzi Z (2006) Textures of natural images in the human brain. Focus on "orientation-selective adaptation to first- and second-order patterns in human visual cortex". *J Neurophysiol.*, 95, 591-2.
14. Krekelberg B, Vatakis A, Kourtzi Z (2005) Implied Motion from Form in the Human Visual Cortex. *J Neurophysiol*, 94, 4373-86.
15. Kourtzi Z, Huberle, E (2005) Spatiotemporal characteristics of form analysis in the human visual cortex revealed by rapid event-related fMRI adaptation. *NeuroImage*, 28, 440-52.
16. Welchman AE, Deubelius A, Conrad V, Bühlhoff HH, Kourtzi Z (2005) 3D shape perception from combined depth cues in the human visual cortex. *Nature Neuroscience*, 8, 820-827.
17. Kourtzi Z, Betts LR, Sarkheil P, Welchman AE (2005) Distributed Neural Plasticity for Shape Learning in the Human Visual Cortex. *PLOS Biology*, 3, e204.
18. Altmann CF, Grodd W, Kourtzi Z, Buelthoff HH, Karnath HO (2005) Similar cortical correlates underlie visual object identification and orientation judgment. *Neuropsychologia*, 43,2101-08.
19. Moutoussis K, Keliris G, Kourtzi Z & Logothetis NK (2005) A binocular rivalry study of motion perception in the human brain. *Vision Research* 45, 2231-43.
20. Kourtzi, Z. 2004. But still, it moves. *Trends in Cognitive Sciences*, 8, 47-49.
21. Altmann, C.F., Deubelius, A., & Kourtzi Z. (2004) Shape saliency modulates contextual processing in the human Lateral Occipital Complex, *Journal of Cognitive Neuroscience*, 16, 794-804.
22. Kourtzi, Z., Tolias, A.S., Altmann, C.F., Augath, M., & Logothetis, N.K. (2003) Integration of local features into global shapes: monkey and human fMRI studies. *Neuron*, 37, 333-346.
23. Altmann, C.F., Buelthoff, H.H., & Kourtzi Z. (2003) Perceptual organization of local elements into global shapes in the human visual cortex. *Current Biology* 13, 342-349.
24. Kourtzi, Z., Erb, M., Grodd, W., & Buelthoff, H H. (2003) Representation of the perceived 3D object shape in the human Lateral Occipital Complex, *Cerebral Cortex* 13, 911-920.
25. Kourtzi, Z. Buelthoff, H. H., Erb, M., & Grodd, W. (2002) Object selective responses in the human motion area MT/MST. *Nature Neuroscience*, 5, 17-8.
26. Thornton, I., & Kourtzi, Z. (2002) A matching advantage for dynamic human faces. *Perception*, 31, 113-132.
27. Kourtzi, Z., & Kanwisher, N. (2001) The human Lateral Occipital Complex represents perceived object shape, *Science*, 24, 1506-9.
28. Kourtzi, Z., & Nakayama, K. (2001) Dissociable signatures of processing for moving and static objects. *Visual Cognition*, 9, 248-264.
29. Grill-Spector K., Kourtzi Z., Kanwisher N. (2001). The lateral occipital complex and its role in object recognition. *Vision Research*, 41, 1409-22.
30. Kourtzi, Z., & Shiffrar, M. (2001) The visual representation of malleable and rigid objects that deform as they rotate. *Journal of Experimental Psychology: Human Perception & Performance*, 27, 335-55.
31. Kourtzi, Z., & Kanwisher, N. (2000) Activation in human MT/MST for static images with implied motion. *Journal of Cognitive Neuroscience*, 12, 1-8.
32. Kourtzi, Z., & Kanwisher, N. (2000) Implied motion activates extrastriate motion-processing areas. Response to David and Senior (2000). *Trends in Cognitive Sciences*, 4, 295-296.
33. Kourtzi, Z., & Kanwisher, N. (2000) Cortical regions involved in perceiving object shape. *Journal of Neuroscience*, 20, 3310-3318.
34. Loula, F., Kourtzi, Z., & Shiffrar, M. (2000) Surface segmentation cues influence negative priming for novel and familiar shapes. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 26, 929-944.
35. Kourtzi, Z., & Shiffrar, M. (1999) Dynamic representations of human body movement. *Perception*, 28, 49-62.
36. Kourtzi, Z., & Shiffrar, M. (1999) The visual representation of rotating, three dimensional objects. *Acta Psychologica: A Special Issue on Object Perception & Memory*, 102, 265-292.

37. Ceraso, J., Kourtzi, Z., & Ray, S. (1998) The integration of object properties. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 24, 1152-1161.
38. Kourtzi, Z., & Shiffrar, M. (1997) One-shot view invariance in a moving world. *Psychological Science*, 8, 461-466.
39. Kourtzi, Z., Oliver, L., Gluck, M. (1994) Can procedural learning be equated with unconscious learning or rule-based learning?: a commentary on Shanks & St. John. *Behavioral & Brain Sciences*, 17, 3.

#### **BOOK CHAPTERS**

1. Kourtzi, Z. 2008. Visual learning for optimal decisions in the human brain. In *Object Categorization: Computer and Human Vision Perspectives*, Cambridge University Press.
2. Orban, G. & Kourtzi, Z. 2007. Functional Imaging of the human visual system. In M. Philippi (Eds.) *fMRI Techniques and Protocols*, The Humana Press: NJ, USA.
3. Kourtzi, Z., & Logothetis N.K. 2003. Combined human and monkey fMRI methods for the study of large-scale neuronal networks in the primate brain. In S. Dehaene (Eds.) *From monkey brain to human brain*. Cambridge MA: MIT Press.
4. Kourtzi, Z., & Grill-Spector, K. 2003. fMRI adaptation: a tool for studying visual representations in the primate brain. In C. Clifford and G. Rhodes (Eds.) *Fitting the Mind to the World: Adaptation and Aftereffects in High-Level Vision*. Oxford University Press.
5. Tolias, A.S., Kourtzi, Z., & Logothetis N.K. 2002. fMRI adaptation: A technique for studying the properties of neuronal networks, in *Exploratory analysis and data modeling in functional neuroimaging*. (Eds. Sommer, T., Wichert, A.) MIT Press, 109-126.
6. Kanwisher, N., Downing, P., Epstein, R., & Kourtzi, Z. 2001. Functional Neuroimaging of Human Visual Recognition. In R. Cabeza and A. Kingstone (Eds.), *The Handbook on Functional Neuroimaging*, pp. 109-152. Cambridge MA: MIT Press.

#### **PAPER PRESENTATIONS**

1. Learning for adaptive decisions in humans, brains and machines. Z. Kourtzi, 2008, Experimental Psychological Society, Cambridge, UK.
2. Visual decisions and learning in the human brain. Z. Kourtzi, 2008, BBSRC Integrative Analysis of Brain and Behaviour Workshop, Bristol, UK.
3. Perceptual decisions and visual learning in the human brain. 2007. Z. Kourtzi, Invited talk at Applied Vision Association, Aston Univ., Birmingham, UK.
4. Learning against the natural statistics: experience-dependent plasticity for contour detection in the human visual cortex. 2007. D. Samuel Schwarzkopf, Z. Kourtzi, Vision Sciences Society, Naples, Florida.
5. Visual learning and categorical decisions in the human brain. 2007. Z. Kourtzi, Invited talk at European conference of Visual Perception (symposium), Arezzo, Italy.
6. fMRI studies of coherent visual perception in the primate brain. 2005, Z. Kourtzi, Invited talk at International Neuropsychological Society meeting, Sardinia.
7. fMRI adaptation studies of coherent visual perception. Z. Kourtzi, 2005, SFN, Washington DC, November.
8. Global motion from form in the human visual cortex. 2005. Z. Kourtzi, A. Vatakis, B. Krekelberg. VSS, Sarasota.
9. Perceptual learning of novel biological movements in the human visual brain. 2004, J.Jastorff, M.A.Giese, & Z.Kourtzi, Society for Neuroscience, San Diego.
10. Apparent rotation: functional magnetic resonance adaptation of the illusory rotation path. 2004, S.Weigelt, Z.Kourtzi, A.Kohler, W.Singer, L.F.Muckli, Society for Neuroscience, San Diego.
11. Effects of attention on perceptual learning of shapes in the human visual cortex. 2003, Zoe Kourtzi, Lisa R. Betts, & Pegah Sarkheil, Society for Neuroscience, New Orleans.
12. Shape processing from motion coherence in object and motion-related human visual areas. 2003, Christian F. Altmann, & Zoe Kourtzi, Society for Neuroscience, New Orleans.

13. Perceptual versus cue-based shape representations in the human visual brain. Andrew E. Welchman, Arne Deubelius, & Zoe Kourtzi Society for Neuroscience, New Orleans.
14. Integration of local features into global shapes: monkey and human fMRI studies. 2003, Zoe Kourtzi, Andreas S. Tolias, Christian F. Altmann, Mark Augath, & Nikos K. Logothetis, Vision Sciences Society, Sarasota, *Journal of Vision*, 3(9), 191a.
15. An fMRI method for identifying the sequential stages of processing in the ventral visual pathway. 2003, Bosco S. Tjan, Vaia Lestou, Heinrich H. Buelthoff, & Zoe Kourtzi, Vision Sciences Society, Sarasota, *Journal of Vision*, 3(9), 109a.
16. Shape processing in the human area MT/MST. 2002, Zoe Kourtzi, Heinrich Buelthoff, H., Michael Erb, & Wolfgang Grodd, Vision Sciences Society, Sarasota, *Journal of Vision*, 2(7), 122a.
17. Processing of perceived visual shape in the human lateral occipital complex. 2001, Zoe Kourtzi, ECVP, Kusadasi, Turkey.
18. Processing of perceived shape vs. contours in the human lateral occipital complex. 2001 Zoe Kourtzi & Zoe Kanwisher, Vision Sciences Society, Sarasota, *Journal of Vision*, 1(3), 205a.
19. Processing of object structure vs. contours in the human lateral occipital complex. 2000, Zoe Kourtzi & Nancy Kanwisher, Society for Neuroscience, New Orleans.
20. fMRI studies of object structure in the human brain. 1999, Zoe Kourtzi & Nancy Kanwisher, Society for Neuroscience, Miami.
21. "And still it moves": activation of human MT/MST for static images of implied motion. 1998, Zoe Kourtzi, Nancy Kanwisher & Maggie Shiffrar, Society for Neuroscience, LA.
22. The representation of deforming objects as continuous events. 1998, Zoe Kourtzi and Maggie Shiffrar, ARVO, Fort-Lauderdale.
23. "Where" did "what" object move? 1997, Zoe Kourtzi & Maggie Shiffrar, ARVO, Fort-Lauderdale.
24. Viewpoint-invariance in a moving world. 1996, Zoe Kourtzi & Maggie Shiffrar, Object Perception And Memory Meeting (OPAM), Chicago

## **POSTER PRESENTATIONS**

1. Context shapes estimation of 3D structure in human extrastriate visual cortex. T. Preston, Z. Kourtzi & A. E. Welchman, 2007, Vision Sciences Society, Naples, Florida.
2. Distributed coding of local features and global percepts in the human visual cortex. D. Ostwald, S. Li, Z. Kourtzi, 2007, Society for Neuroscience, San Diego.
3. Flexible coding for categorical decisions in the human brain. D. Ostwald, S. Li, M. Giese, Z. Kourtzi, 2007, Society for Neuroscience, San Diego.
4. Decoding binocular disparity sensitivity in human visual cortex. A. Welchman S. Li, Z. Kourtzi, 2007, Society for Neuroscience, San Diego.
5. Neural correlates of the categorization of complex dynamic stimuli. P. Sarkheil, J. Jastorff, M. Giese, Z. Kourtzi., 2005, VSS, Sarasota.
6. Perception of motion induction for naturalistic images in the human cortex. J.S. McDonald, Z. Kourtzi, 2005, VSS, Sarasota.
7. Neural plasticity mechanisms for learning of biological motion. J. Jastorff, Z. Kourtzi & M. A. Giese, 2005, VSS, Sarasota.
8. Development of global form and motion perception in monkeys studied with fMRI. 2004, Z.Kourtzi, M. Augath, N.K. Logothetis, J.A. Movshon & L. Kiorpes, Society for Neuroscience, San Diego.
9. Processing of global motion from form cues in the human visual cortex. 2004, A. Vatakis, B. Krekelberg, & Z. Kourtzi, Society for Neuroscience, San Diego.
10. The involvement of different areas of the human visual brain in motion perception. 2004, K. Moutoussis, G. Keliris, Z. Kourtzi & N.K. Logothetis, Society for Neuroscience, San Diego.
11. Processing of global vs. local shape information in the human visual cortex. 2003, Elisabeth Huberle, & Zoe Kourtzi, Society for Neuroscience, New Orleans.

12. Psychophysical and fMRI measures of shape learning in the human visual cortex. 2003, Lisa R. Betts, Pegah Sarkheil, & Zoe Kourtzi, Society for Neuroscience, New Orleans.
13. Differential involvement of prefrontal and parietal areas in human imitation revealed by fMRI adaptation. 2003, Vaia Lestou, Frank E. Pollick, & Zoe Kourtzi, Society for Neuroscience, New Orleans.
14. An fMRI parametric study of shape from disparity and perspective in the human visual cortex. 2003, Arne Deubelius, Andrew E. Welchman, Zoe Kourtzi, & Nikos K. Logothetis, Society for Neuroscience, New Orleans.
15. Temporal properties of shape processing across visual areas: a combined fMRI and MEG study. 2003, Elisabeth Huberle, Arne Deubelius, Werner Lutzenberger, Heinrich H. Buelthoff, & Zoe Kourtzi, Vision Sciences Society, Sarasota, *Journal of Vision*, 3(9), 266a.
16. The involvement of parietal and prefrontal areas in human imitation revealed by fMRI adaptation. 2003. Vaia Lestou, Frank E. Pollick, Heinrich H. Buelthoff, & Zoe Kourtzi, Vision Sciences Society, Sarasota, *Journal of Vision*, 3(9), 525a.
17. fMRI correlates of visual cue combination. 2003, Andrew E. Welchman, Arne Deubelius, Simon, J. Maier, Heinrich H. Buelthoff, & Zoe Kourtzi, Vision Sciences Society, Sarasota, *Journal of Vision*, 3(9), 850a.
18. Role of learning in biological motion recognition. 2003, Jan Jastorff, Zoe Kourtzi, & Martin A. Giese, Vision Sciences Society, Sarasota, *Journal of Vision*, 3(9), 84a.
19. fMRI responses to visual shapes at different spatial scales. 2002, Zoe Kourtzi, Andreas S. Tolias, Mark Augath, & Nikos K. Logothetis, Society for Neuroscience, Orlando.
20. Contextual grouping effects on shape processing in the human visual cortex. 2002, Christian F. Altmann, Zoe Kourtzi, Michael Erb, Wolfgang Grodd, Heinrich H. Buelthoff, Society for Neuroscience, New Orleans.
21. Learning of artificial biological motion patterns. 2002, Martin A. Giese, Jan Jastorff, & Zoe Kourtzi Society for Neuroscience, New Orleans.
22. fMRI correlates of perceptual filling-in in a moving random dot paradigm. 2002, George A. Keliris, Stelios Smirnakis, Zoe Kourtzi, Andreas S. Tolias, & Nikos K. Logothetis, Society for Neuroscience, New Orleans.
23. fMRI adaptation for visual forms in the monkey brain. 2001, Zoe Kourtzi, Andreas S. Tolias, Brukhard Prause, Mark Augath, Torsteen Trinath, & Nikos K. Logothetis, Society for Neuroscience, San Diego.
24. Object selective processing in the human motion area MT/MST. 2001, Heinrich H. Buelthoff, Zoe Kourtzi, Michael Erb, & Wolfgang Grodd, Society for Neuroscience, San Diego.
25. Shape processing in the human ventral and dorsal pathways. 2001, Zoe Kourtzi, Heinrich H. Buelthoff, & Wolfgang Grodd, Cognitive Neuroscience Society, New York.
26. Perceptual learning in naturalistic images. 2000, Zoe Kourtzi & Gregor Rainer, ARVO, Fort-Lauderdale.
27. Dissociation between static and dynamic perceptual representations. 1999, Zoe Kourtzi & Ken Nakayama, ARVO, Fort-Lauderdale.
28. Common cortical regions involved in representing shape from line drawings and grayscale photographs. 1999, Zoe Kourtzi & Nancy Kanwisher, Cognitive Neuroscience Society, Washington, DC.
29. Activation in human MT/MST for static images with implied motion. 1998, Zoe Kourtzi, Nancy Kanwisher & Maggie Shiffrar, Psychonomic Society, Dallas.
30. Dynamic representations of biological movement. 1998, Zoe Kourtzi and Maggie Shiffrar, Cognitive Neuroscience Society, San Francisco.
31. Contour versus surface-based representations of illusory figures. 1997, Fani Loula, Zoe Kourtzi & Maggie Shiffrar, ARVO, Fort-Lauderdale.
32. An advantage of dynamic versus static images of human faces. 1997, Ian Thornton & Zoe Kourtzi, ARVO, Fort-Lauderdale.
33. The role of occlusion in the representation of novel figures. 1996, Maggie Shiffrar, Fani Loula & Zoe Kourtzi, 37th Meeting of the Psychonomic Society, Chicago.
34. From view dependency to view invariance: a spatiotemporal continuum. 1996, Zoe Kourtzi & Maggie Shiffrar, Cognitive Neuroscience Society, San Francisco.

35. One-shot view invariance in a moving world. 1996, Zoe Kourtzi & Maggie Shiffrar, ARVO, Fort-Lauderdale.
36. Do visual representations develop by assembly or by enrichment? 1995, Zoe Kourtzi & John Ceraso, American Psychological Society, NY.

### **INVITED TALKS (Selected)**

- 06/2008 Department of Experimental Psychology, University of Oxford
- 05/2008 Department of Psychology, University of Rochester
- 03/2008 Computer Science, Imperial College London
- 11/2007 Neuroscience Department, University of Southern California, LA
- 11/2007 Department of Psychology, University of Santa Barbara
- 10/2007 University of Bangor, Wales, Imaging Centre, Opening Ceremony
- 10/2007 University of Liverpool, Imaging Centre
- 09/2007 British Chapter ISMRM, Chair of session in Neurodevelopment
- 09/2007 SPARC workshop on cognitive ageing
- 09/2007 Birmingham Multidisciplinary Ageing Network
- 04/2007 Symposium on Coherent Visual Perception
- 05/2007 The Netherlands Institute of Neuroscience, University of Amsterdam
- 03/2007 University of Warwick, Department of Psychology
- 03/2007 University of Leicester, Department of Psychology
- 11/2006 UCL, Birkbeck College, UK
- 11/2006 MRC-CBU, Cambridge, UK
- 10/2006 University of St. Andrews, Department of Psychology
- 09/2006 Summer School Visual Neuroscience Rauischholzhausen 2006
- 06/2006 Developing Heart of England Mental Health Research, NHS, Birmingham, UK
- 06/2006 UCL, Institute for Cognitive Neurology, UK
- 03/2006 Aston University, The Wellcome Laboratory for MEG
- 03/2006 Opening of Birmingham University Imaging Centre, UK
- 11/2005 Oxford University, Functional Brain Imaging Centre , UK
- 11/2005 UCL, Functional Imaging Lab, UK
- 11/2005 Minisymposium, Society for Neuroscience, Washington, DC: Adaptation in visual processing: from single-cell to BOLD responses, Invited Speaker: fMRI adaptation studies of coherent visual perception.
- 09/2005 University of Reading, UK
- 08/2005 Session Chair: "Innovations in Analysis", fMRI experience, Aston University, UK .
- 08/2005 Autumn School in Cognitive Neuroscience 2005, Oxford University
- 10/2003 Oxford University, UK
- 10/2003 Cambridge University, UK
- 10/2003 University of Glasgow, UK
- 07/2003 Fyssen meeting, Paris, France
- 03/2003 Max Planck Institute, Frankfurt, Germany
- 01/2003 Sackler Institute, NY, UK
- 01/2003 University of Oldenburg, Germany
- 02/2002 New York University, NY, USA
- 04/2002 University of Newcastle, UK
- 04/2002 University of Tuebingen, Germany
- 06/2001 NEC, Princeton, USA
- 03/2001 University of Leuven, Belgium
- 06/2001 University of Munich, Germany
- 05/2001 University of Ulm, Germany