

ANNE TREISMAN  
Curriculum Vitae  
December 2006

**Address:** Department of Psychology  
Princeton University  
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**Citizenship:** Britain and USA

**Degrees:** B.A. Cambridge, England. 1954 Modern and Medieval Languages Tripos, Part 1, Class 1  
1956 Part 2, Class 1 (Distinction)  
1957 Natural Sciences Tripos, Psychology, Part 2, Class 1

D. Phil. Oxford, England. 1962 Thesis title: Selective Attention and Speech Perception.

**Marital status:** Married, four children, two step-children.

**Research and Teaching Appointments**

1961-63 Research Assistant to Professor R.C. Oldfield, Department of Experimental Psychology, University of Oxford

1963-66 Member of M.R.C. Psycholinguistics Research Unit at the Department of Experimental Psychology

College Lectureships at Trinity College, 1961-77,  
Somerville College, 1962-6  
St. Anne's College, 1964-67

1966-67 Visiting Research Scientist at the Behavioral Sciences Department of Bell Telephone Laboratories, Murray Hill, New Jersey

1967-78 Fellow of St. Anne's College, Oxford

1968-78 University Lecturer in Psychology, Oxford University

1977-78 Fellow at the Center for Advanced Study in Behavioral Sciences, Stanford, California

1978-86 Professor of Psychology, University of British Columbia

1984-86 Fellow of the Canadian Institute for Advanced Research

1986-94 Professor of Psychology, University of California, Berkeley

1991-92 Visiting Scholar, Russell Sage Foundation, New York

1993 - Professor of Psychology, Princeton University

1995 - James S. McDonnell Distinguished University Professor of Psychology, Princeton University

### Academic Honors

- 1953 Newnham College, Cambridge: Major Scholarship  
1956 Research Scholarship
- 1963 Spearman medal of the British Psychological Society for experimental research
- 1979 Elected to Society of Experimental Psychologists
- 1982-3 Killam Senior Fellowship
- 1982-3 James McKeen Cattell Sabbatical Award
- 1987 Invited, jointly with D. Kahneman, to give the Paul Fitts Memorial lectures in May
- 1987 Invited to give the Fourteenth Annual Bartlett Lecture to the Experimental Psychology Society, Britain in January
- 1989 Elected a Fellow of the Royal Society, London
- 1990 Howard Crosby Warren Medal of the Society of Experimental Psychologists
- 1990 Distinguished Scientific Contribution Award of the American Psychological Association
- 1991 Fellow of American Psychological Society
- 1994 Invited to give the Association lecture to the International Association for the study of Attention and Performance
- 1994 Elected to the National Academy of Sciences, as a Foreign Associate, now regular member since becoming an American citizen
- 1995 Elected to the American Academy of Arts and Sciences
- 1996 Golden Brain award of the Minerva Foundation (for "fundamental breakthroughs that extend our knowledge of vision and the brain").
- 1997 Director's lecture at NIH, on "Feature binding, attention and object perception."
- 2002 William James Fellow of the American Psychological Society
- 2004 D. Sc. *honoris causa*, University of British Columbia
- 2004 Honorary Professor in Institute of Psychology, Chinese Academy of Sciences

### Professional Societies

- Member of Experimental Psychology Society (Britain)
- 1977-1984 Executive Committee member of the International Association for the Study of Attention and Performance,  
Member of Psychonomic Society
- 1979 Member of Society of Experimental Psychologists

- 1985-1989 Elected to Governing Board of Psychonomic Society from January, (Chair of Governing Board 1988-89).
- Member of the Association for Research in Vision and Ophthalmology.
- Member of Cognitive Neuroscience Society

### **Editorial Boards**

- 1978-1988 Journal of Experimental Psychology: Human Perception and Performance
- 1985-1988 Canadian Journal of Psychology
- 1992- Visual Cognition

### **Other Professional Service**

- 1972-1977 Member of Psychology Faculty Board, Oxford University
- 1982 – 1985 Member of Appeals Board, University of British Columbia
- 1987 – 1992 Publications Committee of the Psychonomic Society
- 1995 -> Advisory Board to Oxford University Press
- 1991 Committee to evaluate Oxford University Psychology Department
- 1990-1991 Senate Task force on Faculty Diversity, University of California
- 1992-4 Warren Medal Committee, Society of Experimental Psychologists
- 1993-2001 APA Council of Science Advisors
- 1993-2000 US National Committee for the International Union of Psychological Science
- 1993 Review committee to evaluate the Department of Psychology at the University of Pennsylvania
- 1993 Member of NIMH task force to draw up recommendations for future funding.
- 1994-2000 McDonnell Pew Program in Cognitive Neuroscience Advisory Board
- 1994 Program Committee for the Society for Cognitive Neuroscience
- 1995-2001 Membership Section Panel in Physiology, Pharmacology, Neurobiology, and Behavioral Biology of the American Academy of Arts and Sciences, 1995-2001,  
2000-> Chair of Section II,3
- 1996 Committee of Visitors to assess NSF section on Human Cognition and Perception
- NSF Workshop on Human Capital Initiative
- 1999-2000 William James Fellow Awards Committee of American Psychological Society
- 1998-2000 Warren Medal Committee, Society of Experimental Psychologists

- 1997 American Academy of Arts and Sciences Membership Committee.
- 2001- AAAS Chair of Class II, Section 3, Neurosciences, Cognitive Sciences and Behavioral Biology
- 2001 Non-UK advisor for the UK Research Assessment Exercise carried out by UK Higher Education Funding bodies on University Psychology Departments in the UK.
- 2001 External Review of Department of Psychology, NorthWestern University
- 2002 External review of Department of Psychology, UCSD
- 1998 and 2002. Reviewer for Canadian NSERC Reallocations Exercise
- 2002 - Appointed to Royal Society election committee, Section 8
- 2003 APS William James Fellow Award Committee
- 2004 National Academy Troland Research Award Committee

### **University and department service, Princeton**

- 2000- Committee to advise and interview Rhodes Fellowship applicants.
- 1996 Chair of appointment committee for senior position in Cognitive Neuroscience.
- 1996-2001 Library Committee
- 1995-2000 Chair of Psychology department research participation committee, (involved setting up the subject pool and implementing procedures for the first time, then revising them).
- 1995 Committee to draft proposal for Center in Cognitive and Behavioral Neuroscience at Princeton
- 1998-9 Coordinator of Cognitive Psychology area
- 1999-2000 Committee of Three, (Princeton University Appointments and Tenure Committee)
- 1999 Department Space Committee  
Cognitive and Neuro recruiting committees
- 2002 Third year Review Committee for Frank Tong
- 2002- University Institutional Review Board for Human Subjects
- 2002 Department Curriculum Review Committee
- 2003 Department representative
- 2003 Princeton Writing Program Committee, 2003
- 2003-4 Search committee for Cognitive Neuroscience

### **Current Research Interests**

Visual perception of objects; early feature analysis and the role of attention; the integration of information in the perception of moving, changing objects; perceptual learning and automatization of perceptual skills; visual memory

for objects and events; implicit coding of shape and motion.

### **Graduate students**

Oxford, (before 1977)

Advisor:

Joan Brand

Gillian Cohen

Nigel Harvey

Robin Russell

Geoffrey Cummings

Terry O'Brien

### UC Berkeley

Advisor

UC Berkeley

Gail Musen 1989

Alfred Vieira 1990

Beena Khurana 1992

Marcia Grabowecky 1992 Preattentive processes guide visual search in normals and in patients with unilateral visual neglect

Kathy O'Craven 1995 Attentional modulation of human MT/MST with fMRI.

Meg Wilson 1994 Imagery vividness, "feeling of knowing" and reality monitoring in memory.

Brett DeSchepper 1994 Negative priming of novel visual shapes

Todd Horowitz 1995 Inhibitory traces of attention to locations.

### Committee member

Hoover Chan

John Kruschke

Mike Webster

Evangeline Wheeler

Allison Sekuler

Lesley Welsh

Johanna Weber

Carol Varey

Felicia Gershberg

Maria Stone

Patti Wang

Chris Linnett

Su Ling Yeh

### Princeton

Advisor

Tracey Leacock 1997 Switching costs in two-choice visual identification tasks

Paul Downing, 1998 The influence of novelty on attention: Interactions of top-down and bottom-up processes

Xuexin Zhang 1999 Anticipatory inhibition: An intentional non-spatial mechanism revealed with the distractor previewing technique  
 Mary Wheeler 2001 Integration in working memory: cognitive behavioral and human brain imaging studies  
 Xiang Hu, Sang Chul Chong, 2004 Dropped out 2000 because could not pass English language proficiency exam  
 Representation of statistical properties.  
 Karla Evans, Current  
 Shlomo Sher Current

Orals Committee

Barbara Chalfonte  
 Chad Dodson  
 Michael Graziano  
 Marisa Reddy  
 Nicole Hewitt  
 David Chau

Advisory committee

Xintian Hu  
 Scott Nolde  
 Martin Sawicki  
 Denise Evert  
 Zhe Chen  
 Victoria Bell  
 Mazur Fallah  
 Ming Meng  
 Aaron Schurger (co-advisor)

Postdoctoral students

Bill Prinzmetal, now at UC Berkeley  
 Nancy Kanwisher, now at MIT  
 Nilli Lavie 1990-92, now at University College, London  
 Robert Ward 1995-7, now at University of Wales  
 Ofer Fein 1997-9, now in Israel  
 Heather Jordan 1998-9, now at Oxford University  
 Miriam Dishon-Berkowitz 1999-2000, now in Israel  
 Adriane Seiffert 2000-

Senior theses

Jerry Garcia 1994  
 Jason Hildreth 1994  
 Julia Sweitzer 1995  
 John Kulvicki 1995  
 William Jemison 1996  
 Claudia Suh 1997  
 Ben Gill 1997  
 Todd Eichelberger 1997  
 Jonathan Law 1999  
 Kyle Gariety 2000  
 Jennifer Gucwa 2001  
 Holly O'Neill 2001  
 Damien Davis 2003  
 Mark Rogerson 2004  
 Stephen Young 2004  
 Lauren Glaubach 2004

## Publications

### 1. Book chapters

- Oswald, I., Taylor, A.M., & Treisman, M., 1961. Cortical function during human sleep. In G.E.W. Wolstenhorne & M.O'Connor (Eds.) CIBA Foundation Symposium on the 'Nature of Sleep.' London: J. and A. Churchill.
- Treisman, A., 1966. Human attention. Chapter in Penguin New Horizons in Psychology. B. Foss, (Ed).
- Treisman, A., 1970. Perception and recall of simultaneous speech stimuli. In A. F. Sanders (Ed.) Attention and Performance III: Acta Psychologica, 33, 132-148.
- Treisman, A., & Davies, A., 1973. Divided attention to ear and eye. In S. Kornblum (Ed.) Attention and Performance IV, Academic Press, 101-117.
- Treisman, A., Russell, R., & Green, J., 1975. Brief visual storage of shape and movement. In P.M.A. Rabbitt & S. Dornic (Eds.) Attention and Performance V: Academic Press, London. 699-721.
- Treisman, A., Sykes, M., and Gelade, G., 1977. Selective attention and stimulus integration. In S. Dornic (Ed.) Attention and Performance VI, Lawrence Erlbaum Associates: Hillsdale, New Jersey.
- Treisman, A., 1979. The psychological reality of levels of processing. In F. Craik & L. Cermak (Eds.) Levels of Processing and Human Memory. Lawrence Erlbaum Associates: Hillsdale, New Jersey.
- Treisman, A., 1980. Attention. Article in an encyclopedia published by Arete.
- Treisman, A., 1981. Auditory memory and categorical perception of speech, In T. Myers, J. Laver and J. Anderson (Eds.) The Cognitive Representation of Speech, North Holland Publishing Company.
- Treisman, A., 1982. The role of attention in object perception. In O. Braddick and A. Sleight (Eds.) Physical and Biological Processing of Images. Springer-Verlag: New York.
- Kahneman, D., & Treisman, A., 1984. Changing views of attention and automaticity. In R. Parasuraman & R. Davies (Eds.) Varieties of Attention. New York: Academic Press, pp.29-61.
- Treisman, A., & Kahneman, D., 1985. Addendum: A reply to Duncan. In M. Posner & O. Marin (Eds.) Attention and Performance XI. Lawrence Erlbaum Associates, Hillsdale, NJ.
- Treisman, A., 1985. Preattentive processing in vision. Computer Vision, Graphics and Image Processing, 31, 156-177, reprinted in Z. Pylyshyn (Ed.) Computational processes in human vision: An interdisciplinary perspective. Ablex: New Jersey, pp. 341-369.
- Treisman, A., 1986. Properties, parts and objects. Chapter 35 in K. Boff, L. Kaufman, & J. Thomas (Eds.) Handbook of Perception and Human Performance, Vol. 2, Wiley, pp. 1-70.
- Treisman, A., Cavanagh, P., Fischer, B., Ramachandran, V. and Van der Heydt, R., 1990. Form perception and attention: striate cortex and beyond. In Spillman, L., and Werner, J. (Eds.) Visual Perception: The Neurophysiological Foundations, New York: Academic Press.
- Treisman, A., 1990. Visual coding of features and objects: some evidence from behavioral studies. In National Research Council (Ed.), Advances in the modularity of vision: Selections from a symposium on the frontiers of visual science (pp. 39-61). Washington, DC: National Academy Press.

- Treisman, A. 1992. L'attention, les traits et la perception des objets. In D. Andler (Ed.) Introduction aux sciences cognitives. Paris: Editions Gallimard, pp.153-191.
- Treisman, A., 1993. Representing visual objects. In D. Meyer and S. Kornblum (Eds), Attention and Performance XIV, pp. 163 - 175.
- Treisman, A. 1993. The perception of features and objects. In A. Baddeley and L. Weiskrantz (Eds.) Attention: Selection, awareness and control. A tribute to Donald Broadbent. Oxford: Clarendon Press University, pp. 5-35.
- Treisman, A. & DeSchepper, B. 1996. Object tokens, attention, and visual memory. In T. Inui and J. McClelland (Eds.) Attention and Performance XVI: Information Integration in Perception and Communication, Cambridge, MA: MIT Press, 15-46.
- Humphreys, G., Duncan, J., & Treisman, A. 1999. Attention, Space, and Action, (Humphreys, G., Duncan, J., & Treisman, A. Eds.), Chapter 1. Introduction. Oxford: Oxford University Press.
- Treisman, A. 1999. Feature binding, attention and object perception. In Humphreys, G., Duncan, J., & Treisman, A. Attention, Space, and Action, Oxford: Oxford University Press.
- Treisman, A. 2003. Consciousness and perceptual binding. In Axel Cleeremans (Ed.) "The Unity of Consciousness: Binding, Integration, and Dissociation", Oxford University Press, pp. 95-113.
- Treisman, A. 2004. Synesthesia: Implications for Attention, Binding, and Consciousness. A Commentary. In L. Robertson (Ed.) Attention on Synesthesia, Oxford University Press.
- Treisman, A. 2004. Psychological issues in selective attention. In The Cognitive Neurosciences, 3rd edition. Michael S. Gazzaniga, Editor-in-Chief. MIT Press November 2004.
- Treisman, A. 2004. Object tokens, binding and visual memory. In H Zimmer, A. Mecklinger, & U. Lindenberger (Eds.). Binding in Human Memory: A Neurocognitive Perspective". Oxford University Press, in press.

### **Articles in refereed journals**

- Moray, N. & Taylor, A., 1958. The effects of redundancy in shadowing one of two dichotic messages. Language and Speech, 1, 102-109.
- Taylor, A., & Moray, N., 1960. Statistical approximations to English and French. Language and Speech, 3, 7-10.
- Oswald, I., Taylor, A. & Treisman, M., 1960. Discriminative responses to stimulation during human sleep. Brain, 83, 440-453.
- Treisman, A., 1960. Contextual cues in selective listening. Quarterly Journal of Experimental Psychology, 12, 242-248.
- Davis, R., Moray, N., & Treisman, A., 1961. Imitative responses and the rate of gain of information. Quarterly Journal of Experimental Psychology, 13, 78.
- Treisman, A., 1962. Binocular rivalry and stereoscopic depth perception. Quarterly Journal of Experimental Psychology, 14, 23-37.

- Treisman, A., 1964. The effect of irrelevant material on the efficiency of selective listening. American Journal of Psychology, 77, 533-546.
- Treisman, A., 1964. Verbal cues, language and meaning in selective attention. American Journal of Psychology, 77, 206-219.
- Treisman, A., 1964. Monitoring and storage of irrelevant messages in selective attention. Journal of Verbal Learning and Verbal Behavior, 3, 449-459.
- Treisman, A., 1964. Selective attention in man. British Medical Bulletin, 20, 12-16.
- Treisman, A., 1965. Our limited attention. Lister Lecture to the British Association for the Advancement of Science, 1966, 600-611.
- Treisman, A., 1965. Effect of verbal context on latency of word selection. Nature, 206, 218-219.
- Treisman, A., 1965. Reading rate, word information and auditory monitoring of speech. Nature, 205, 1297-1300.
- Treisman, A., 1965. Verbal responses and contextual constraints in language. Journal of Verbal Learning and Verbal Behavior, 4, 118-128.
- Treisman, A., 1965. The effect of redundancy and familiarity on translating and repeating back a foreign and a native language. British Journal of Psychology, 56, 369-379.
- Treisman, A., & Geffen, G. 1967. Selective attention: Perception or response? Quarterly Journal of Experimental Psychology, 19, 1-18.
- Treisman, A., 1967. Comments on 'Selective attention: Perception or response?' Quarterly Journal of Experimental Psychology, 19, 362-367.
- Treisman, A., & Geffen, G. 1968. Selective attention and cerebral dominance in perceiving and responding to speech messages. Quarterly Journal of Experimental Psychology, 20, 139-150.
- Treisman, A., 1969. Strategies and models of selective attention. Psychological Review, 76, 282-299.
- Treisman, A., & Fearnley, S., 1969. The Stroop Test: Selective attention to colors and words. Nature, 222, 437-439.
- Treisman, A., & Riley, J., 1969. Is selective attention selective perception or selective response? A further test. Journal of Experimental Psychology, 79, 27-34.
- Treisman, A., & Fearnley, S., 1971. Can simultaneous speech stimuli be classified in parallel? Perception & Psychophysics, 10, 1-7.
- Treisman, A., 1971. Shifting attention between the ears. Quarterly Journal of Experimental Psychology, 23, 157-167.
- Harvey, N., & Treisman, A., 1973. Switching attention from the ears to monitor tones. Perception & Psychophysics, 14, 51-59.
- Treisman, A., & Squire, R., 1974. Listening to speech at two levels at once. Quarterly Journal of Experimental Psychology, 36, 82-97.

- Treisman, A., & Tuxworth, J., 1974. Immediate and delayed recall of sentences after monitoring at different levels. Journal of Verbal Learning and Verbal Behavior, 13, 338-44.
- Treisman, A., Squire, R., & Green, J., 1974. Semantic processing in dichotic listening? A replication. Memory & Cognition, 2, 641-646.
- Treisman, A., 1977. Focused attention in the perception and retrieval of multidimensional stimuli. Perception & Psychophysics, 22, 1-11.
- Treisman, A., & Gelade, G., 1980. A feature integration theory of attention. Cognitive Psychology, 12, 97-136.
- Treisman, A., & Schmidt, H., 1982. Illusory conjunctions in the perception of objects. Cognitive Psychology, 14, 107-141.
- Treisman, A., 1982. Perceptual grouping and attention in visual search for features and for objects. Journal of Experimental Psychology: Human Perception and Performance, 8, 194-214.
- Kahneman, D., Treisman, A. & Burkell, J., 1983. The cost of visual filtering. Journal of Experimental Psychology, 9, 510-522.
- Treisman, A., Kahneman, D., & Burkell, J. (1983). Perceptual objects and the cost of filtering. Perception and Psychophysics, 33, 527-532.
- Treisman, A., & Paterson, R., 1984. Emergent features, attention and object perception, Journal of Experimental Psychology: Human Perception and Performance, 10, 12-21.
- Treisman, A., & Souther, J., 1985. Search asymmetry: A diagnostic for preattentive processing of separable features. Journal of Experimental Psychology: General, 114, 285-310.
- Treisman, A., & Souther, J., 1986. Illusory words: The roles of attention and of top-down constraints in conjoining letters to form words. Journal of Experimental Psychology: Human Perception and Performance, 12, 3-17.
- Treisman, A., 1986. Features and objects in visual processing, Scientific American, 254, No. 11, 114-125.
- Treisman, A., & Gormican, S., 1988. Feature analysis in early vision: Evidence from search asymmetries. Psychological Review, 95, 15-48.
- Treisman, A., 1988. Features and objects: The Fourteenth Bartlett Memorial Lecture. Quarterly Journal of Experimental Psychology, 1988, 40A, (2) 201-237.
- Treisman, A., 1990. Search and the detection and integration of features. Behavioral and Brain Sciences, 13, 454-455.
- Musen, G. & Treisman, A., 1990. Implicit and explicit memory for visual patterns. Journal of Experimental Psychology: Learning, Memory and Cognition, 16, 127-137.
- Cavanagh, P., Arguin, M. and Treisman, A. 1990. Effects of surface medium on visual search for orientation and size features. Journal of Experimental Psychology: Human Perception and Performance, 16, 479-491.
- Treisman, A. & Sato, S., 1990. Conjunction search revisited. Journal of Experimental Perception and Performance, 16, 459-478.
- Treisman, A., 1990. Variations on the theme of feature integration: Reply to Navon (1990), Psychological

Review, 97, 460-463.

- Treisman, A., 1991. Search, similarity and the integration of features between and within dimensions. Journal of Experimental Psychology: Human Perception and Performance, 27, 652-676.
- Kahneman, D., Treisman, A. and Gibbs, B., 1992. The reviewing of object files: Object-specific integration of information. Cognitive Psychology, 24, 175-219.
- Treisman, A. 1992. Spreading suppression or feature integration? A reply to Duncan and Humphreys. Journal of Experimental Psychology: Human Perception and Performance, 18, 589-593.
- Treisman, A., Vieira, A., & Hayes, A. 1992. Automaticity and preattentive processing. American Journal of Psychology, 105, 341-362.
- Treisman, A. 1992. Perceiving and re-perceiving objects. American Psychologist, 47, 862-875.
- Grabowecky, M., Robertson, L.C., & Treisman, A. 1993. Preattentive processes guide visual search: Evidence from patients with unilateral visual neglect. Journal of Cognitive Neuroscience, 5, 288-302.
- Horowitz, T. & Treisman, A. 1994. Attention and apparent motion. Special Issue: In honor of Bela Julesz:II Texture and visual search. Spatial Vision, 8, 193-219.
- Friedman-Hill, S.R., Robertson, L.C., & Treisman, A. 1995. Parietal contributions to visual feature binding: Evidence from a patient with bilateral lesions. Science, 269, 853-855
- Treisman, A. 1995. Modularity and attention: Is the binding problem real? Visual Cognition, 2, 303-311
- DeSchepper, B., & Treisman, A. 1996. Visual memory for novel shapes: Implicit coding without attention. Journal of Experimental Psychology: Learning, Memory, and Cognition, 22, 27-47.
- Treisman, A. 1996. The binding problem. Current Opinion in Neurobiology, 6, 171-178.
- Treisman, A. 1996. Selection for perception for selection for action: A reply to Van der Heijden. Visual Cognition, 3, 353-357.
- Robertson, L. Treisman, A., Friedman-Hill, S. & Grabowecky, M. 1997. The interaction of spatial and object pathways: Evidence from Balint's syndrome. Journal of Cognitive Neuroscience, 9, 295- 317.
- O'Craven, K.M., Rosen, B.R., Kwong, K.K., Treisman, A., & Savoy, R.L. 1997. Voluntary attention modulates fMRI activity in human MT-MST. Neuron, 18, 591-598.
- Downing, P. & Treisman, A. 1997. The Line-Motion Illusion: Attention or Impletion? Journal of Experimental Psychology: Human Perception and Performance, 23, 768-779.
- Treisman, A. 1998 Feature binding, attention and object perception. Philosophical Transactions of the Royal Society, Series B, 353, 1295-1306.
- Treisman, A. & Kanwisher, N.K. 1998 Perceiving visually-presented objects: Recognition, awareness, and modularity. Current Opinion in Neurobiology, 8, 218-226.
- Treisman, A. 1999. Solutions to the binding problem: Progress through controversy and convergence. Neuron, 24, 105-110.
- Schendel, K.L., Robertson, L. C., & Treisman, A. 2001. Objects and Their Locations in Exogenous Cueing. Perception and Psychophysics, 63, 577-594.

- Holcombe, A. O., Kanwisher, N., & Treisman, A. 2001. The Midstream Order Deficit. Perception and Psychophysics, 63,322-329
- Wheeler, M.E., & Treisman, A.M. 2002. Binding in Short-Term Visual Memory. Journal of Experimental Psychology: General, 131, 48-64.
- Chong, S.C. & Treisman, A. 2003. Representation of statistical properties, *Vision Research*, 43, 393-404
- Chong, S.C. & Treisman, A. 2004. Attentional spread in the statistical processing of visual displays. Perception and Psychophysics, (in press).
- Treisman, A. 2004. How the deployment of attention determines what we see. Visual Cognition (in press)