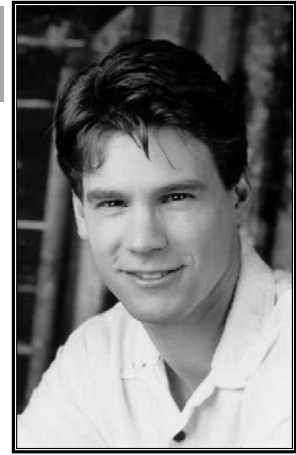


# MATTHEW DAVEY



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## EDUCATION

- 1997—2000 **The Flinders University School of Medicine**  
*Adelaide, South Australia*  
*Bachelor of Medicine/Bachelor of Surgery*
- 1991—1996 **The Australian National University**  
*Canberra, A.C.T.*  
*Bachelor of Science with First Class Honours*  
Majors: Mathematics, Neuroscience  
Honours Thesis on visual processing in humans and honeybees  
*The University Medal*  
Awarded to “to the top candidate or candidates for the degree of Bachelor”, this is the highest academic honour of the ANU.  
*The Tillyard Prize*  
Awarded “to the student whose personal qualities and contribution to University life have been outstanding”, this is the oldest and most prestigious prize awarded by the ANU. This is the highest honour awarded for contribution to the community and to the University.
- 1994—1995 **The University of California at Berkeley**  
*Berkeley, California*  
*Exchange Student*

## EMPLOYMENT

- 2003 **Intensive Care Unit, The Canberra Hospital**  
*Canberra, A.C.T.*  
*Registrar*
- 2001—2002 **The Canberra Hospital**  
*Canberra, A.C.T.*  
*Intern/Resident Medical Officer*
- 1998—1999 **The Department of Neurology and Neuroscience**  
*Cornell University Medical College, New York*  
*Visiting Fellow (two months)*
- 1996—1998 **The Center for Visual Sciences**  
*The Australian National University, A.C.T.*  
*Visiting Fellow (ten months)*
- 1997 **The Department of Mathematics and Statistics**  
*Flinders University, South Australia*  
*Tutor in Mathematics (ten months)*

- 1994—1995 **The Faculty of Information Sciences and Engineering**  
*The University of Canberra, A.C.T.*  
*Tutor in Mathematics and Engineering Physics (ten months)*
- 1993 **The International Biology Olympiad**  
*Utrecht, The Netherlands*  
*Leader of the Australian Delegation (two months)*
- 1992—1993 **John XXIII College**  
*The Australian National University, A.C.T.*  
*Senior Resident/Tutor in Physics, Mathematics and Psychology (eighteen months)*  
*Treasurer of the Community Service Committee*

## MILITARY SERVICE

- 2002—2003 **Royal Australian Navy**  
*Regional Reserve Pool, Canberra, A.C.T.*  
*Lieutenant*
- 2001—2002 **Medical Platoon, Combat Service Support Team Alpha**  
*The 5th Combat Service Support Battalion, Sydney, N.S.W. / Canberra, A.C.T.*  
*Captain*
- 2000—2001 **The Canberra Area Medical Unit (Duntroon)**  
*The Royal Military College (Duntroon), A.C.T.*  
*Lieutenant*
- 2000 **3<sup>rd</sup> Health Support Battalion**  
*The Royal Australian Army Medical Corps (Specialist Reserve)*  
*Lieutenant*

## MILITARY TRAINING

- 2002 **Rotary-Wing Aeromedical Evacuation Course**
- 2002 **Underwater Medicine Course**
- 2002 **Initial Officer Training (NAVY)**
- 2002 **Medical Officers' Nuclear, Biological and Chemical Defence Course**
- 2002 **Logistics Officers' Basic Course**
- 2000 **Specialist Service Officers' Basic Course (ARMY)**

## VOLUNTEER WORK

- 2002 **St. John Ambulance**  
*Canberra, A.C.T.*  
*Medical Officer*
- 1998—2000 **The Flinders University Neurology Club**  
*Adelaide, South Australia*  
*Founder and Coordinator (66 members)*

- 1996—1997 **St. John Ambulance**  
*Canberra, A.C.T./Adelaide, S.A.*  
*First Aid Officer*  
*Instructor*
- 1995 **The International Physics Olympiad**  
*Canberra, A.C.T.*  
*Member of Organizing Staff*  
*Supervision and Marking of Examinations*
- 1994—1995 **The U.C. Berkeley Ballroom Dancing Club**  
*The University of California at Berkeley, California*  
*Instructor in Ballroom and Latin American Dancing*  
*Treasurer*
- 1993 **The Australian Biology Olympiad**  
*Canberra, A.C.T.*  
*Member of Organizing and Academic Staff*
- 1993 **The Tuggeranong Judo Club**  
*Canberra, A.C.T.*  
*Judo Instructor*
- 1991—1993 **The National Youth Science Forum**  
*Canberra, A.C.T.*  
*Program Coordinator*  
Coordination of program  
Pastoral care of students
- 1991—1992 **The Australian Physics Olympiad**  
*Canberra, A.C.T.*  
*Tutor/Laboratory Coordinator*

## OTHER ACTIVITIES

- 2001—2003 *Manuscript Reviewer*  
Clinically Oriented Anatomy, 5<sup>th</sup> Edition (Moore & Dalley), Lippincott, Williams and Wilkins.
- 2000—2002 *Paragliding Licence (Intermediate), Club Committee Member*  
A.C.T. Hang-Gliding and Paragliding Club
- 1999 *Representative for Flinders University School of Medicine*  
The Australian Undergraduate Orthopaedic Workshop, Newcastle
- 1999 *Lead Role (Dr. Andrew Jones)*  
*Voices*, a 16mm film by Uttam Gaekwad, 22 mins  
Reviewed by Independent Film Magazine, October 2000.
- 1998—2002 *Manufacturer/Supplier of Neurology Hat Pins*  
Medical school bookshops and UniBooks
- 1998—1999 *Contributor*  
Exam Master for the USMLE (test preparation software)
- 1999 *Guitar Course*  
WEA Adult Education
- 1998 *Competitor*  
The Australian Ballroom Dancing Championships, Melbourne
- 1996 *Actor/Dancer*  
*The Boyfriend*, Erindale Community Theatre, A.C.T.

- 1995 *Member of the U.C. Berkeley Ballroom and Latin American Dancing Team*  
U.S.A./U.K. Intercollegiate Dancing Festival

## SELECTED AWARDS

- 1998 *Queen Elizabeth II Silver Jubilee Trust Fellow*  
For research at Cornell University Medical College, New York.
- 1997 *AMA/JG Hunter Research Scholar*  
For research at the Australian National University, A.C.T.
- 1996 *The Fellow's Prize for Academic Excellence*  
Fenner Hall, The Australian National University, A.C.T.
- 1991 *The Australian Students' Prize for Excellence*  
The Federal Government of Australia
- 1991 *Member of the Australian Delegation*  
The London International Youth Science Forum
- 1989 *Diploma in French (Special Commendation for an Excellent Standard)*  
Alliance Française
- 1989 *State Judo Champion*  
A.C.T. Judo Championships

## PUBLICATIONS

### PEER-REVIEWED JOURNAL PAPERS

- Willoughby J. O., Fitzgibbon S. P., Pope K. J., Mackenzie L., Davey M. P., Wilcox R. A., Clark, R. (2003) Mental tasks induce gamma EEG with reduced responsiveness in primary generalised epilepsies. Accepted by *Epilepsia*.
- Willoughby J. O., Fitzgibbon S. P., Pope K. J., Mackenzie L., Medvedev A. V., Hiscock J. J., Clark C. R., Davey M. P. and Wilcox R. (2001) A persistent abnormality detected in the non-ictal EEG of people with primary generalised epilepsy. *The Journal of Neurology, Neurosurgery and Psychiatry*, **74**:51-55.
- Davey M. P., Victor J. D. and Schiff N. D. (2000) Power spectra and coherence in the EEG of a vegetative patient with severe asymmetric brain damage. *Clinical Neurophysiology*, **111**: 1949-1954.
- Maddess T., Davey M. P. and Yang E. C. (1999) Discrimination of complex textures by bees. *Journal of Comparative Physiology A*, **184**: 107-117.
- Maddess T., Srinivasan M. V. and Davey M. P. (1998) How widespread is "filling-in"? *Trends in Cognitive Sciences*, **2**: 425.
- Davey M. P., Srinivasan M. V. and Maddess T. (1998) The Craik-O'Brien-Cornsweet illusion in honeybees. *Naturwissenschaften*, **85**: 73-75.
- Davey M. P., Maddess T. and Srinivasan M. V. (1997) The spatiotemporal properties of the Craik-O'Brien-Cornsweet Effect are consistent with "filling-in". *Vision Research*, **38**: 2037-2046.
- Davey M. P. and Zanker J. M. (1997) Detecting the orientation of short lines in the periphery. *The Australian and New Zealand Journal of Ophthalmology*, **26**: S104-S107.
- Maddess T., Davey M. P. and Srinivasan M. V. (1997) The Craik-O'Brien-Cornsweet Effect and brightness induction proceed by the spreading of brightness induction. *The Australian and New Zealand Journal of Ophthalmology*, **26**: 95-97.
- Srinivasan M. V. and Davey M. P. (1995) Strategies for active camouflage of motion. *Proceedings of the Royal Society of London B*, **259**: 19-25.

### PUBLISHED ABSTRACTS

- Shakib S., Davey M. P., Andrew K., MacLeod J., Wilcox R., McCoombe I., and Vargas A. (2000) A comparison of the availability of electronic and paper versions of antibiotic guidelines with

compliance with the guidelines in a teaching hospital. *Proceedings of the Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists*, **8**: 28.

Maddess T., Davey M. P. and Bedford S. (1999) Perceptual gating of the spatial frequency doubling illusion. *Proceedings of the Australasian Ophthalmic and Vision Science Meeting*, **1999**: 61.

Maddess T., Davey M. P. and Bedford S. (1999) Pre-attentive perceptual gating of the spatial frequency doubling illusion. Proceedings of the Annual Vision Research Conference (Pre-Attentive and Attentive Mechanisms in Vision - Perceptual Organization and Dysfunction), **2**: 95.

Maddess T., Bedford S., James A. C., Davey M. P. and Hemmi J. (1998) What is behind FDT perimetry? Proceedings of the Annual Vision Research Conference (Retinal Development, Degeneration and Functional Restitution), **2**: 4.

Davey M. P., Maddess T. and Srinivasan M. V. (1997) Temporal analysis of the Craik-O'Brien-Cornsweet Effect. *Investigative Ophthalmology and Visual Science*, **38**: S453.

Maddess T., Davey M. P. and Srinivasan M. V. (1997) The Craik-O'Brien-Cornsweet Effect and brightness induction proceed by the spreading of brightness induction. *Proceedings of the Australasian Ophthalmic and Vision Science Meeting*, **1997**: 51.

Davey M. P. and Zanker J. M. (1997) Detecting the orientation of short lines in the periphery. *Proceedings of the Australasian Ophthalmic and Vision Science Meeting*, **1997**: 14.

Yang E. C., Davey M. P. and Maddess T. (1997) Wide-field orientation sensitive neurons and perception of iso-dipole textures by bees. *Investigative Ophthalmology and Visual Science*, **38**: 2.

Zanker J. M. and Davey M. P. (1997) The detection of the orientation of small objects. *Perception*, **26**: 120.

Srinivasan M. V. and Davey M. P. (1995) Strategies for the active camouflage of motion. *Proceedings of the Australian Neuroscience Society*, **6**: 99.

#### **CONFERENCE PRESENTATIONS**

Shakib S., Davey M. P., Andrew K., MacLeod J., Wilcox R., McCoombe I., and Vargas A. (2000) A comparison of the availability of electronic and paper versions of antibiotic guidelines with compliance with the guidelines in a teaching hospital. *The Annual Meeting of the Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists*, Newcastle, Australia.

Maddess T., Davey M. P. and Bedford S. (1999) Pre-attentive perceptual gating of the spatial frequency doubling illusion. The Annual Vision Research Conference (Pre-Attentive and Attentive Mechanisms in Vision - Perceptual Organization and Dysfunction), Ft. Lauderdale, Florida, U.S.A.

Maddess T., Bedford S., James A. C., Davey M. P. and Hemmi J. (1998) What is behind FDT perimetry? *The Annual Vision Research Conference (Retinal Development, Degeneration and Functional Restitution)*, Ft. Lauderdale, Florida, U.S.A.

Davey M. P., Maddess T. and Srinivasan M. V. (1997) Temporal analysis of the Craik-O'Brien-Cornsweet Effect. *The Annual Meeting of the Association for Research in Vision and Ophthalmology*, Ft. Lauderdale, Florida, U.S.A.

Davey M. P. and Zanker J. M. (1997) Detecting the orientation of small lines in the periphery. *The Australasian Ophthalmic and Vision Science Meeting*, The Australian National University, Canberra, Australia.

Zanker J. M. and Davey M. P. (1997) The detection of the orientation of small objects. *The European Conference on Vision and Perception*, Espoo, Helsinki, Finland.

Maddess T., Davey M. P. and Srinivasan M. V. (1997) The Craik-O'Brien-Cornsweet Effect and brightness induction both proceed by the spreading of brightness induction. *The Australasian Ophthalmic and Vision Science Meeting*, The Australian National University, Canberra, Australia.

Yang E. C., Davey M. P. and Maddess T. (1997) Wide-field orientation sensitive neurons and perception of iso-dipole textures by bees. *The Annual Meeting of the Association for Research in Vision and Ophthalmology*, Ft. Lauderdale, Florida, U.S.A.

Srinivasan M. V. and Davey M. P. (1995) Strategies for the active camouflage of motion. *The*

*Annual Meeting of the Australian Neuroscience Society, The University of Western Australia, Perth, Australia.*

### ***WORLD WIDE WEB SITES***

- 2003 Powdersafe (biohazard containment system – commercial web site)  
<http://www.powdersafe.com.au>
- 2001-2003 The Australian Paragliding Centre (commercial web site)  
<http://www.australianparagliding.com>
- 1999-2003 Rachael Henson's Millinery Portfolio  
<http://people.mydesk.net.au/~mdavey/millinery/millinery.html>
- 1999-2003 Medical Aspects of Biological and Chemical Agents in Terrorism and Warfare: A Resource List  
[http://people.mydesk.net.au/~mdavey/bctw\\_door.html](http://people.mydesk.net.au/~mdavey/bctw_door.html)

### ***OTHER PUBLICATIONS***

- Davey M. P. and Mitchell I. A. (2003) An audit of prescription and administration errors in the intensive care unit. (*Internal review*)
- Davey M. P. (1999) On the Long-Term Development of Dancing in Australia: The Emperor's New Clothes. *Australian Dance Review*, **189**: 13-14.
- Davey M. P. (1999) New York, Neuroscience and Surgical Scrubs. *Encounter* (The Magazine of the Flinders University Alumni Association), **Autumn 1999**: 14.
- Davey M. P. (1996) *The Craik-O'Brien-Cornsweet Effect in Humans and Honeybees*, B. Sc. Honours Thesis, The Australian National University.
- Davey M. P. (1987) An implementation of the Vigenère polyalphabetic substitution cipher. (computer program) *Amstrad Action Computing Magazine* (UK), **39(9)**: 41-42.

*Updated on 8 August, 2003*