

## Personal Details

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## Research Interests

The physiological and psychological basis of speech production, speech errors, disfluencies, the neural basis of number knowledge, and generalised quantifier comprehension.

## Education

University of Edinburgh Ph.D. Psycholinguistics Candidate Supervisor: Martin Corley	2004 - date
University of Edinburgh M.Sc. Psycholinguistics Thesis: Influences on the Lexical Bias Effect in Phonological Exchange Speech Errors. Supervisor: Martin Corley	2003 – 2004
Temple University B.A. Psychology and Cognitive Neuroscience Supervisor: Mark Wheeler	1996 – 2000

## Positions Held

University of Edinburgh, Psychology Postgraduate Seminar Organiser	2004 – date
University of Edinburgh, First Year Psychology Tutor	2004 – date
Deaf History Review, Editorial Board Member	2004 – date
Donaldson's College – Scottish National School for the Deaf, Research Assistant	2003 – date
University of Pennsylvania, Department of Neurology, Research Assistant	2000 – 2003
Devereaux Foundation, Practicum Student	1999 – 2000

## Research Support

University of Edinburgh, School of Philosophy, Psychology, and Language Sciences Postgraduate Scholarship	2004 – 2007
University of Edinburgh, School of Philosophy, Psychology, and Language Sciences Maintenance Stipend	2004 – 2007

## Publications

### Research Articles

Ash, S., Koenig, P., McMillan, C., Work, M., Moore, P., & Grossman, M. (submitted). Judgment of single word inflectional forms and grammatical categories: An fMRI study.

Grossman, M., Gee, J., Work, M., McMillan, C., & Moore, P. (submitted). Sentence comprehension and MRI morphometry in progressive non-fluent aphasia.

Grossman, M., Koenig, P., Kounios, J., McMillan, C., Work, M., & Moore, P. (submitted). Category-specific effects in semantic memory: Category - task interactions revealed by fMRI.

Jacobs, D., McMillan, C., & Grossman, M. (submitted). Deciding how to stroll down a garden path: An fMRI study investigating the resolution of a temporary ambiguity in a sentence.

McMillan, C. T., Clark, R., Moore, P., Devita, C., & Grossman, M. (under revision). Neural representation of generalized quantifier comprehension.

Koenig, P., Smith, E. E., Glosser, G., Devita, C., Moore, P., McMillan, C., Gee, J., & Grossman, M. (in press). The neural basis for novel semantic categorization. *Neuroimage*

Peelle, J. E., Wingfield, A., McMillan, C., Moore, P., & Grossman, M. (in press). Dissociable patterns of brain activity during comprehension of rapid and syntactically complex speech: Evidence from fMRI. *Brain and Language*

McMillan, C. T. (2004). Changing standards of education, 1950 - 1990: Using statistics to test historical myths. *Deaf History Review*, 1, 49-58.

Halpern, C., Glosser, G., Clark, R., Gee, J., Moore, P., Dennis, K., McMillan, C., & Grossman, M. (2004). Dissociation of numbers and objects in corticobasal degeneration and semantic dementia. *Neurology*, 62, 7, 1163-9.

McMillan, C., Gee, J., Moore, P., Dennis K., Devita, C., & Grossman, M. (2004). Confrontation naming and morphometric analyses of structural MRI in Frontotemporal Dementia. *Dementia and Geriatric Cognitive Disorders*, 17, 4, 320-3.

Grossman, M., McMillan, C., Moore, P., Ding, L., Glosser, G., Work, M., Gee, J. (2004). What's in a name: voxel-based morphometric analyses of MRI and naming difficulty in Alzheimer's disease, frontotemporal dementia and corticobasal degeneration. *Brain*, 127, 628-49.

Halpern, C., McMillan, C., Moore, P., Dennis, K., & Grossman, M. (2003). Calculation impairment in focal neurodegenerative diseases. *Journal of Neurological Sciences*, 208, (1-2), 31-8.

Grossman, M., Smith, E., Koenig, P., Glosser, G., Devita, C., Moore, P., & McMillan, C. (2002). The neural basis for categorization in semantic memory. *NeuroImage*, 17, 1549-1561.

### Review Articles

Wheeler, M. A., & McMillan, C. T. (2001). Focal retrograde amnesia and the episodic–semantic distinction. *Journal of Cognitive, Affective, and Behavioral Neuroscience*, 1, (1), 22-36.

## Conference Presentations

McMillan, C. T., Corley, M., Hartsuiker, R., & Martensen, H. (2004, September). Influences on lexical bias in phonological speech errors. Poster to be presented at AMLaP'04, Aix-en-Provence, France.

Work, M., Gee, J., McMillan, C., Moore, P., & Grossman, M. (2004, April). Voxel-based morphometric analysis of verbal fluency: Executive function vs. lexical content. Poster presented at Academy of Neurology 56th Annual Meeting, San Francisco.

Grossman, M., Moore, P., Gee, J., Glosser, G., Koenig, P., McMillan, C., & Work, M. (2004, April). Correlations of MRI atrophy with semantic memory judgments in Alzheimer's Disease and frontotemporal dementia. Poster presented at Academy of Neurology 56th Annual Meeting, San Francisco.

Peelle, J., McMillan, C., Moore, P., Grossman, M., & Wingfield, A. (2003, November). Neural correlates of perceptual adaptation to time-compressed speech. Poster presented at Society for Neuroscience 33rd Annual Meeting, New Orleans.

Halpern, C., Clark, R., McMillan, C., Gee, J., & Grossman, M. (2003, October). Dissociating object knowledge and number knowledge in semantic dementia and corticobasal degeneration: Correlation with high-resolution MRI. Poster presented at Academy of Aphasia 41st Annual Meeting, Vienna, Austria.

McMillan, C., Moore, P., Dennis, K., Gee, J., & Grossman, M. (2003, October). The neural basis of confrontation naming in semantic dementia and Alzheimer's disease. Poster presented at Academy of Aphasia 41st Annual Meeting, Vienna, Austria.

Moore, P., McMillan, C., Dennis, K., Devita, C., Gee, J., Grossman, M. (2003, April). Confrontation naming and morphometric analyses of structural MRI in frontotemporal dementia. Paper presented at 4th International Conference on Frontotemporal Dementias: Lund, Sweden.

Ash, S., Koenig, P., Moore, P., McMillan, C., & Grossman, M. (2003, March). Judgments of single-word inflectional forms and grammatical categories: An fMRI study. Poster presented at Cognitive Neuroscience Society Annual Meeting 2003, New York.

Halpern, C., Glosser, G., Moore, P., Dennis, K., McMillan, C., & Grossman, M. (2003, March). Double dissociation of Corticobasal Degeneration and Semantic Dementia on number and object measures. Poster presented at Cognitive Neuroscience Society Annual Meeting 2003, New York.

Jacobs, D., Moore, P., McMillan, C., Listerud, J., & Grossman, M. (2003, March). fMRI assessment of ambiguity resolution. Poster presented at Cognitive Neuroscience Society Annual Meeting 2003, New York.

Koenig, P., Smith, E., McMillan, C., Moore, P., & Grossman, M. (2003, March). Implicit learning of a novel semantic category: an fMRI study. Poster presented at Cognitive Neuroscience Society Annual Meeting 2003, New York.

McMillan, C., Clark, R., Dennis, K., Moore, P., Halpern, C., & Grossman, M. (2003, March). Generalized quantifier comprehension in focal neurodegenerative disease. Poster presented at Cognitive Neuroscience Society Annual Meeting 2003, New York.

Moneta, L., Clark, R., Goldberg, A., McMillan, C., & Grossman, M. (2003, March). Working memory's influence on syllogistic reasoning. Poster presented at Cognitive Neuroscience Society Annual Meeting 2003, New York.

Moore, P. N., Dennis, K., Patel, A., McMillan, C. T., Koenig, P., & Grossman, M. (2002, October). Longitudinal study of category-specific semantic memory in Alzheimer's disease and Frontotemporal Dementia. Poster presented at Academy of Aphasia, New York.

Halpern, C. H., McMillan, C.T., Moore, P. N., Dennis, K. E., & Grossman, M. (2002, March). Calculation impairment in neurodegenerative diseases. Poster presented at American Academy of Neurology 54th Annual Meeting, Denver.

Jacobs, D.B., Lee, C., Moore, P. N., McMillan, C.T., & Grossman, M. (2002, March). Comprehending ambiguous sentences in Parkinson's disease. Poster presented at American Academy of Neurology 54th Annual Meeting, Denver.

McMillan, C., Clark, R., Moore, P., Devita, C., & Grossman, M. (2002, March). Frontal and parietal contributions to generalized quantifiers. Poster presented at Cognitive Neuroscience Society Annual Meeting 2002, San Francisco.

Moore, P. N., Dennis, K. E., McMillan, C. T., & Grossman, M. (2002, March). Semantic category membership judgment in Frontotemporal Dementia (FTD) patients. Poster presented at American Academy of Neurology 54th Annual Meeting, Denver.

Garrett, K.D., Lee, C., McMillan, C., Chute, D.L., Liberman, M., & Grossman, M. (2002, February). Comprehension of emotional prosody in Parkinson's Disease. Poster presented at North American Meeting of the International Neuropsychological Society, Toronto, ON.

McMillan, C., Clark, R., Moore, P., Moneta, L., Devita, C., & Grossman, M. (2002, February). The neural basis for generalized quantifiers. Paper presented at North American Meeting of the International Neuropsychological Society, Toronto, ON.

Moore, P.N., Rhee, J., Petock, L., McMillan, C.T., & Grossman, M. (2001, April). Category specificity in patients with Frontotemporal Degeneration and Alzheimer's Disease. Poster presented at American Academy of Neurology 53rd Annual Meeting, Philadelphia.

Wheeler, M. A., & McMillan, C. (2000, April). Focal retrograde amnesia and the episodic-semantic distinction: An empirical review. Poster presented at Cognitive Neuroscience Society Annual Meeting, San Francisco.