

Research Curriculum Vitae of Kevin R. Peters

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RESEARCH INTERESTS

Neuroethics of Enhancement. I have very recently become interested in the issues surrounding the enhancement of various psychological and physical characteristics in healthy adults. The nonmedical use of drugs is becoming a very important and debated topic in the field of neuroethics. I am interested in examining the types of characteristics that healthy people would or would not enhance, and their reasons for these decisions. For example, why might a healthy person take a drug to enhance their memory but not their mood? I am also interested in examining the correlates of such views. For example, what are some of the personality variables that might be associated with one's willingness to use drugs nonmedically. I have begun to address these questions by using a combined approach of focus groups and larger-scale surveys in university students. I am also planning to develop a scale to measure attitudes toward nonmedical enhancement.

Mild Cognitive Impairment and Dementia. With respect to the early identification of dementia, I have chosen to focus much of my research on individuals who are Cognitively-Impaired-Not-Demented (CIND), a form of mild cognitive impairment. Individuals diagnosed as CIND are important to study because they demonstrate a greater than normal risk for developing dementia. However, not all CIND individuals develop dementia. Accordingly, it has been difficult for clinicians and researchers to prospectively identify which CIND individuals will and will not convert to dementia. My research has shown that CIND is a very cognitively heterogeneous condition and that neuropsychiatric symptoms are common in this population. More recently, I have started to take a more critical perspective on definitions of mild cognitive impairment (MCI). My colleagues, Drs. Stephen Katz and Peri Ballantyne, and I have received funding from CIHR to investigate the 'perceptions and realities' of MCI. I am particularly interested in examining how we should be defining effectiveness in intervention studies. What is the best way to measure whether a drug or intervention is producing a statistically and clinically meaningful benefit? I am also interested in how the public perceives issues related to the diagnosis and treatment of MCI and Alzheimer disease (AD). How does the public define effectiveness as it relates to treatment, and how do these definitions compare to the actual effectiveness of currently available drugs?

The Role of Sleep in Memory. A considerable amount of research has shown that sleep has a beneficial role in the consolidation of certain kinds of memory. There is currently debate about which sleep state (e.g., rapid eye movement versus slow wave sleep) is involved in memory and about which kinds of memory (e.g., implicit versus explicit memory) are benefited by sleep. Concerning sleep and memory, I have three main areas of interest. First, with funding support from NSERC, I have been investigating whether rapid eye movement sleep or slow wave sleep has a beneficial role in emotional memory using comparable implicit and explicit memory tasks. Second, I am interested in how sleep is involved in facilitating motor learning. Third, I am collaborating with one of my colleagues – Dr. Carlyle Smith – to examine whether age-related changes in sleep architecture might be related to age-related changes in cognition. Our collaborative work in this area has been funded by the Canadian Institutes of Health Research (CIHR) and the Alzheimer Society of Canada. I am also part of the Centre for Biological Timing and Cognition, which involves Trent University, the University of Toronto, Lakehead University, and Toronto Hospital Western Division. Researchers from each of these universities were successful in obtaining a grant from the Canadian Foundation for Innovation and Ontario Innovation Fund. Although I am not one of the principal investigators, I am listed on this grant as a collaborator.

PUBLICATIONS

Articles in Refereed Journals

- Ray, L.B., Fogel, S.M., Smith, C.T. & **Peters, K.R.** (2010). Validating an automated sleep spindle detection algorithm using an individualized approach. *Journal of Sleep Research*, 19, 374-378
- Katz, S., & **Peters, K.R.** (2008). Enhancing the mind? Memory medicine, dementia, and the aging brain. *Journal of Aging Studies*, 22, 348-355.
- Peters, K.R.**, Ray, L., Smith, V., & Smith, C.T. (2008). Changes in the density of Stage 2 sleep spindles following motor learning in young and older adults. *Journal of Sleep Research*, 17(1), 23-33.
- Jacova, C., **Peters, K.R.**, Beattie, B.L., Wong, E., Riddehough, A., Foti, D., Scheltens, P., Li, D.K.B., & Feldman, H.H. (2008). Cognitive impairment no dementia: Neuropsychological and neuroimaging characterization of an amnesic subgroup. *Dementia and Geriatric Cognitive Disorders*, 25(3), 238-247
- Peters, K.R.**, Rockwood, K., Black, S.E., Hogan, D.B., Gauthier, S.G., Loy-English, I., Hsiung, G-Y., Jacova, C., Kertesz, A., & Feldman, H.H. (2008). Neuropsychiatric symptom clusters and functional disability in Cognitively-Impaired-Not-Demented individuals. *American Journal of Geriatric Psychiatry*, 16(2), 136-144.
- Peters, K.R.**, Smith, V., & Smith, C.T. (2007). Changes in sleep architecture following motor learning depend on initial skill level. *Journal of Cognitive Neuroscience*, 19(5), 817-829.
- Peters, K.R.**, Rockwood, K., Black, S., Bouchard, R., Gauthier, S., Hogan, D., Kertesz, A., Loy-English, I., Beattie, B.L., Sadovnick, A.D., & Feldman, H.H. (2006). Characterizing neuropsychiatric symptoms in subjects referred to dementia clinics. *Neurology*, 26(4), 529-534.
- Peters, K.R.**, Graf, P., Hayden, S., & Feldman, H. (2005). Neuropsychological subgroups of Cognitively-Impaired-Not-Demented (CIND) individuals: Delineation, reliability, and predictive validity. *The Journal of Clinical and Experimental Neuropsychology*, 27(2), 164-188.
- Peters, K.R.**, Graf, P., Hayden, S., & Feldman, H. (2004). Neuropsychological characterization of Cognitively-Impaired-Not-Demented (CIND) individuals: Clinical comparison data. *The Clinical Neuropsychologist*, 18(2), 208-228.
- Smith, C.T., Aubrey, J.B., & **Peters, K.R.** (2004). Different roles for REM and stage 2 sleep in motor learning: A proposed model. *Psychologica Belgica*, 44(1/2), 81-104.
- Traboulsee, A.J. Dehmeshki, J., **Peters, K.R.**, Griffin, C.M., Brex, P.A., Silver, N., Ciccarrelli, O. Chard, D., Barker, G.J., Thompson, A.J., & Miller, D.H. (2003). Disability in multiple sclerosis is related to normal appearing brain tissue MTR histogram abnormalities. *Multiple Sclerosis*, 9(6), 566-573.
- Feldman, H., Levy, A.R., Hsiung, G.-Y., **Peters, K.R.**, Donald, A., Black, S. E., Bouchard, R.W., Gauthier, S.G., Guzman, D.A., Hogan, D.B., Kertesz, A., & Rockwood, K., for the ACCORD Study Group (2003). A Canadian Cohort Study of Cognitive Impairment and Related Dementias (ACCORD): Study methods and baseline results. *Neuroepidemiology*, 22(5), 265-274.

Book Chapters

- Smith, C.T., & **Peters, K.R.** (2011). Sleep, memory, and molecular neurobiology. In M.J. Aminoff, F. Boller, & D. Swaab (Series Eds.) & P. Montagna & S. Chokroverty (Vol. Eds.), *Handbook of clinical neurology: Sleep disorders part 1* (pp.260-272). Edinburgh: Elsevier.
- Peters, K.R.**, & Winocur, G. (2006). Combined therapies in mild cognitive impairment. In H. Tuokko & D. Hultsch (Eds.), *Mild cognitive impairment: International perspectives* (pp.265-287). New York: Taylor and Francis.
- Peters, K.R.**, Galloway, J.A., & Rankin, C.H. (1999). *Caenorhabditis elegans* and the genetics of learning. In W.E. Crusio & R.T. Gerlai (Eds.), *Techniques in the Behavioral and Neural Sciences, Volume 13: Handbook of Molecular-genetic techniques for brain and behavior*, pp 551-568. Amsterdam: Elsevier.
- Tanchuk, T.L., Galloway, J.A., **Peters, K.R.**, & Rankin, C.H. (2000). Memory in fruit flies and nematodes. In *Encyclopedia of life sciences* [Electronic Version], MacMillan Reference Limited. Retrieved from <http://www.els.net/els/els/els/index.html>.

GRANTS

Currently Held

- Katz, S., Ballantyne, P.J., & **Peters, K.R.** Perceptions and realities of mild cognitive impairment (MCI): Diagnosis and treatment for older individuals. Received in February of 2011 from the Canadian Institutes of Health Research (CIHR- Institute of Aging). Total amount: \$176,108 over three years.
- Smith, C.T., **Peters, K.R.**, & Feldman, H.H. *Sleep states, memory, and aging*. Received in February of 2008 from the Canadian Institutes of Health Research (CIHR - Institute of Aging). Total amount: \$380,515 over five years.

Previously Held

- Peters, K.R.** *The role of sleep in implicit and explicit memory for emotional material*. Received in March of 2005 from the Natural Sciences and Engineering Research Council of Canada (NSERC). Total amount: \$70,905 over five years.
- Peters, K.R.** & Ballantyne, P.J. *Perceptions of cognitive decline and related treatment interventions in older adults*. Received from the Trent University Internal Social Science and Humanities Research Committee (SSHRC) in November of 2008. Total amount: \$3,200.
- Smith, C.T., & **Peters, K.R.** *Sleep, memory, and aging*. Received in February of 2004 from the Canadian Institutes of Health Research (CIHR - Institute of Aging). Total amount: \$48, 701 for one year.
- Smith, C.T., & **Peters, K.R.** *The relationship of age to sleep and memory*. Received in April of 2004 from the Alzheimer Society of Canada. Total amount: \$82,314 over two years
- Peters, K.R.** A preliminary examination of the relationship between face and object recognition systems. Received in February of 2004 from the Trent University Internal Natural Sciences Research Committee (NSRC). Total amount: \$3,600 for one year.

ABSTRACTS IN REFEREED CONFERENCE PROCEEDINGS

- Peters, K.R.**, Beattie, B.L., Feldman, H.H., & Illes, J. (2011). Clinical trials in early-onset familial Alzheimer Disease: An ethics analysis. Poster presented at the Canadian Conference on Dementia held in Montreal, QC, October, 2011.
- Peters, K.R.**, Beattie, B.L., Slack, P., Wang, W., Lee, P., Hsiung, G.Y.R., & Jacova, C. (2011). Concurrent validity of the Clinical Meaningfulness in Alzheimer Disease Treatment (CLIMAT) scale. Poster presented at the Canadian Conference on Dementia held in Montreal, QC, October, 2011.
- Peters, K.R.**, Ray, L., & Smith, C. (2011). Aging, sleep spindles, and declarative memory. Poster presented at the World Association of Sleep Medicine Congress held in Quebec City, QC, September, 2011.
- Ray, L., Smith, C., & **Peters, K.R.** (2011). Subjective and objective measures of sleep in healthy older adults. Poster presented at the World Association of Sleep Medicine Congress held in Quebec City, QC, September, 2011.
- Peters, K.R.**, Ray, L.B., & Smith, C.T. (2010). A correlation analysis of rest-activity rhythm variables and cognitive functioning in young and older adults. *Journal of Sleep Research*, 19(Suppl 2), 106-107. Poster presented at the European Sleep Research Society Meeting held in Lisbon, Portugal, September, 2010.
- Peters, K.R.**, Ray, L.B., & Smith, C.T. (2010). A correlational analysis of sleep variables and IQ in young and elderly adults. *Sleep*, 33, A32. Paper presented at the Association of Professional Sleep Societies Annual Meeting held in San Antonio, TX in June 2010.
- Higginson, C.D*, Laundry, J., Fogel, S.M., Ray, L.B., Smith, C.T., & **Peters, K.R.** (2010). So you wanna be a rock star? Sleep on it. *Sleep*, 33, A37. Abstract presented at the Association of Professional Sleep Societies Annual Meeting held in San Antonio, TX in June 2010.
- Quibell, D*, Navara, G.S., & **Peters, K.R.** (2010). Caffeine consumption, sleep quality, and psychological symptoms in university students. *Sleep*, 33, A78. Abstract presented at the Association of Professional Sleep Societies Annual Meeting held in San Antonio, TX in June 2010.
- Smith, C.T., Moran, C.R., McGilvray, M.P. & Peters, K.R. (2008). Decreases in stage 2 sleep, number of spindles and sigma power following acquisition of a declarative task. *Journal of Sleep Research*, 17(Suppl 1), 270-271. Poster presented at the Congress of the European Sleep Research Society held in Glasgow, Scotland, September, 2008.
- Peters, K.R.**, Ray, L., & Smith, C. (2008). Age differences in sleep macrostructure following acquisition of the Tower of Hanoi. *Sleep*, 31, A380. Poster presented at the Association of Professional Sleep Societies Annual Meeting held in Baltimore, MD, June 2008.
- Peters, K.R.**, Ray, L., & Smith, C. (2008). Age differences in Stage 2 spindle density, but not REM density. *Sleep*, 31, A102. Poster presented at the Association of Professional Sleep Societies Annual Meeting held in Baltimore, MD, June 2008.

- Ward, M.*, **Peters, K.R.**, Ray, L., Douglass, A., & Smith, C. (2008). Second-order parameters of sleep spindle distribution before and after pursuit rotor learning in young and elderly adults. *Sleep*, 31, A379. Poster presented at the Association of Professional Sleep Societies Annual Meeting held in Baltimore, MD, June 2008.
- Peters, K.R.**, Ray, L., Smith, V., & Smith, C.T. (2007). Stage 2 sleep spindles, motor learning, and aging. *Sleep*, 30, A373. Paper presented at the Association of Professional Sleep Societies Annual Meeting held in Minneapolis, MN, June 2007.
- Peters, K.R.**, Vlaskalin, M*, Ray, L., Smith, V., & Smith, C.T. (2007). Age differences in the temporal organization of Stage 2 sleep spindles. *Sleep*, 30, A104. Poster presented at the Association of Professional Sleep Societies Annual Meeting held in Minneapolis, MN, June 2007.
- Smith, C.T., Moran, C.R., McGilvray, M.P., & **Peters, K.R.** (2007). Decreases in Stage 2 sleep following acquisition of a declarative task using a retrograde interference paradigm. *Sleep*, 30, A374. Paper presented at the Association of Professional Sleep Societies Annual Meeting held in Minneapolis, MN, June 2007.
- Smith, C.T., McGilvray, M.P., Moran, C.R., & **Peters, K.R.** (2007). Decreases in number of sleep spindles following acquisition of a declarative task using a retrograde interference paradigm. *Sleep*, 30, A374. Paper presented at the Association of Professional Sleep Societies Annual Meeting held in Minneapolis, MN, June 2007.
- Peters, K.R.**, Smith, V., & Smith, C.T. (2006). Sleep spindles and motor adaptation learning: The role of initial skill level. *Sleep*, 29, A375. Paper presented at the Association of Professional Sleep Societies Annual Meeting held in Salt Lake City, UT, June 2006.
- Jacova, C., Hsiung, G-Y., **Peters, K.R.**, Hayden, S. & Feldman, H.H. (2006). Progression to Dementia and Recovery to Normal Functioning in Cognitive-Impairment-No-Dementia (CIND) Have Unique Neuropsychological Predictors. *Neurology*, 66(5, Suppl 2). Poster presented at the American Academy of Neurology Annual conference, San Diego, CA, April 2006.
- Peters, K.R.**, Hsiung, G-Y., & Feldman, H.H. (2006). Apolipoprotein E Genotype in Cognitively-Impaired-Not-Demented Individuals. *Journal of the International Neuropsychological Society*, 12(S1), 53. Poster session presented at the International Neuropsychological Society meeting held in Boston, MA, February 2006.
- Peters, K.R.** (2005). Linking sleep stages to procedural memory: How many stages do we need? *Brain and Cognition*, 60(3), 331. Symposium paper presented given at the Theoretical and Experimental Neuropsychology Annual Meeting, Montreal, QC, June 2005.
- Peters, K.R.**, Graf, P., Hayden, S., & Feldman, H. (2005). Neuropsychological subgroups of Cognitively-Impaired-Not-Demented (CIND) individuals. *Journal of the International Neuropsychological Society*, 11(S1), 154. This oral presentation was part of a symposium entitled "Classification of Mild Cognitive Impairment: Issues and Approaches". In addition to presenting my research, I organized this symposium, which included three internationally-recognized experts on mild cognitive impairment. This symposium was given at the International Neuropsychological Society conference held in St. Louis, Missouri, February 2005.

- Jacova, C., Hamm, F., **Peters, K.R.**, Hayden, S., Beattie, B.L., & Feldman, H. (2005). Semantic memory and verbal reasoning deficits are neuropsychological features of amnesic Cognitively-Impaired-Not-Demented (CIND) subjects. *Neurology*, 64(6, Suppl 1), A65-A66. Poster session presented at the American Academy of Neurology Annual conference, Miami Beach, FL, April 2005.
- Jacova, C., Eadie, B., Beattie, L., **Peters, K.R.**, & Feldman, H. (2004). Short-term decline in Cognitively-Impaired-Not-Demented (CIND) subjects affects language and delayed memory. *Canadian Journal of Neurological Sciences*, 31(S1), S42. Poster session presented at the Canadian Congress of Neurological Sciences Annual Scientific meeting, Calgary, AB, June 2004.
- Jacova, C., **Peters, K.R.**, Beattie, L., Foti, D., & Feldman, H. (2004). Screening for Cognitive-Impairment-No-Dementia (CIND): The predictive usefulness of the Repeatable Battery for the Assessment of Neuropsychological Status (RBANS). *Neurology*, 62(7, Suppl 5), A131. Poster session presented at the American Academy of Neurology Annual conference, San Francisco, CA, April 2004.
- Peters, K.R.**, & Feldman, H. (2004). Further characterization of memory impaired subgroups of Cognitively-Impaired-Not-Demented individuals from the ACCORD Study. *Journal of the International Neuropsychological Society*, 10(S1), 31. Poster session presented at the International Neuropsychological Society meeting held in Baltimore, Maryland, February 2004.
- Peters, K.R.**, Scholes, R., Donald, A., & Feldman, H. (2002). Characterization of neuropsychiatric symptoms in Cognitively-Impaired-Not-Demented individuals: Extending phenotypic expression. *Neurology*, 58(Suppl 3), A276. Poster session presented at the American Academy of Neurology Annual conference, Denver, Colo., April 2002.
- Peters, K.R.**, Simons, I.A., Alexander, M., & Makerewich, L.A. (1997). Changes in period amplitude before, during and after apneic events in stages 2 and REM. Paper presented at the Association of Professional Sleep Societies Conference in San Francisco, CA, June 1997.
- Murphy, T., **Peters, K.**, Ogilvie, R.D., Cowherd, G., Chilcott, L., & Hague, S. (1997). Does chiropractic treatment of chronic back pain lead to improved sleep? *Sleep Research*, 26, 575. Paper presented at the Association of Professional Sleep Societies Conference in San Francisco, CA, June 1997.
- Peters, K.R.**, Ogilvie, R.D., Simons, I.A., Schirmuly, M.K., Gregson, B., & Alexander, M. (1996). Identifying sleep disruptions in OSA patients using behavioral measures. *Sleep Research*, 25, 332. Paper presented at the Association of Professional Sleep Societies Conference in Washington, DC, June 1996.
- Alexander, M., Ogilvie, R.D., Simons, I., Schirmuly, M., Makerewich, L., **Peters, K.**, & Gregson, B. (1996). Predictive value of subsets of independent variables in the diagnosis of obstructive sleep apnea. *Sleep Research*, 25, 183. Poster session presented at the Association of Professional Sleep Societies Conference in Washington, DC, June 1996.

* indicates that the author was one of my students

CONFERENCE ABSTRACTS AND PRESENTATIONS

- Ballantyne, P.J. & **Peters, K.R.** (2010). Public perceptions of cognitive decline and related treatment interventions in older adults. Paper presented at the Canadian Society for the Sociology of Health conference, Ottawa, ON, October 2010.
- Jacova, C., Hsiung, G-Y., **Peters, K.R.**, & Feldman, H.H. (2005). Compliance with neuropsychological testing may lead to underestimation of decline in Cognitively-Impaired-Not-Demented (CIND) individuals. Poster session presented at the Alzheimer's Association International Conference on Prevention of Dementia, Washington, DC, June 2005.
- Peters, K.R.**, & Graf, P. (2003). Consistency of neuropsychological predictors of dementia. Poster session presented at the Western Psychological Association Annual Meeting in Vancouver, B.C., May 2003.
- Peters, K.R.**, Graf, P., Hayden, S., & Feldman, H. (2002). Neuropsychological subgroups of Cognitively-Impaired-Not-Demented individuals. Poster session presented at the Canadian Society for Brain, Behaviour, and Cognitive Science Annual Meeting, Vancouver, B.C., May 2002.
- Emamzadeh, A., **Peters, K.R.**, & Hayden, S. (2002). Psychopathological symptoms in Cognitively-Impaired-Not-Demented individuals. Poster session presented at the North Western Cognition and Memory Conference in Vancouver, B.C., May, 2002
- Lanting, S., Hayden, S., & **Peters, K.** (2002). Investigation of visuospatial impairment in patients with frontal dementia. Poster session presented at the Canadian Psychological Association conference in Vancouver, B.C., May 2002.
- Peters, K.R.**, Graf, P., & Hayden, S. (2001). Generalized slowing in Cognitively-Impaired-Not-Demented patients and healthy adults. Poster session presented at the International Association of Gerontology World Congress, Vancouver, B.C., July 2001.
- Peters, K.R.**, Graf, P., & Hayden, S. (2001). Reducing the heterogeneity of Cognitively-Impaired-Not-Demented individuals: Quantification of neuropsychological subgroups. Poster session presented at the North Western Cognition and Memory Conference, Vancouver, B.C., May 2001.
- Peters, K.R.**, Graf, P., Hayden, S., & Uttl, B. (1999). Global slowing in Cognitively-Impaired-Not-Demented Individuals. Paper presented at the North Western Cognition and Memory Conference in Victoria, BC, May 1999.
- Peters, K.R.**, Wicks, S.R., & Rankin, C.H. (1998). The role of interstimulus interval and number of stimuli in the encoding of temporal characteristics of habituation. Poster session presented at the West Coast Worm Meeting in Berkeley, CA, June 1998.

INVITED PRESENTATIONS

- May 13, 2008: *Memory: Brain, aging, and dementia*. Invited presentation for the Canadian Mental Health Association.
- April 23, 2008: *The effectiveness of cognitive enhancing medications in older adults with cognitive impairment*. Invited presentation for the “Inside Trent: Afternoon with the Experts 2008” session on Understanding the Challenges of Aging. This session was held at St Joseph’s at Fleming.
- November 8, 2005: *Sleep, motor learning, and aging*. Invited presentation for the Program in Neuroscience mini-symposium held at the University of Toronto.
- October 7, 2005: *Sleep, memory, and aging*. Invited presentation for the province-wide sleep medicine rounds at Toronto Western Hospital.
- April 30, 2004: *Neuropsychological subgroups of Cognitively-Impaired-Not-Demented Individuals*. Invited presentation for the Psychology Department Rounds at Baycrest Geriatric Centre in Toronto.
- January 29, 2004: *Neuropsychological subgroups of Cognitively-Impaired-Not-Demented Individuals*. Invited presentation for the Second Annual Health Studies Day at Trent University.
- September 28, 2001: *Neuropsychological studies of the ACCORD study*. Invited presentation for the ACCORD Sponsor’s Meeting, Vancouver B.C.
- July 6, 2001: *The neuropsychological component of the ACCORD Study: Baseline progress report and subgrouping project*. Invited presentation for the ACCORD General Meeting for Co-investigators, Vancouver, B.C.

AD HOC JOURNAL REVIEWS

American Journal of Geriatric Psychiatry, Behavioural Brain Research, Canadian Journal of Experimental Psychology, Current Alzheimer Research, Dementia and Geriatric Cognitive Disorders, Depression and Anxiety, Experimental Brain Research, Journal of Clinical and Experimental Neuropsychology, Journal of Geriatric Neurology and Psychiatry, Journal of Neuropsychiatry and Clinical Neurosciences, Journal of Sleep Medicine, Sleep, The Year in Cognitive Neuroscience (part of the Annals of the New York Academy of Sciences series)

GRANT REVIEWS

- Canadian Institutes of Health Research (CIHR)
- Natural Sciences and Engineering Research Council of Canada (NSERC)

MEDIA INTERVIEWS/ARTICLES

- November 19, 2010: Short article on my research on sleep and memory appeared in the Globe and Mail
- September 22, 2010: Interviewed by ‘CHEX-TV’ for a short segment on the Sleep Laboratory at Trent University (along with Dr. Carlyle Smith)
- August 31, 2010: Interviewed on ‘CBC Radio 1 (Ontario Morning)’ about my research on sleep and memory
- August 28, 2010: Interviewed on ‘CKNW Talk Radio’ (Vancouver) about my research on sleep and memory
- August 24, 2010: Interviewed for a news story in the ‘Vancouver Sun’ about my research on sleep and memory

- July 7, 2010: Interviewed on the 'Night Show with Ugly Phil' (Australia) about my research on sleep and memory
- January 5, 2006: Interviewed by 'CHEX-TV' for a 9-minute segment on the Sleep Laboratory at Trent University (along with Dr. Carlyle Smith)
- October 25, 2005: Interviewed by 'The Examiner' about research at Trent University
- April 23, 2004: Interviewed by 'CHEX TV' about my research with Cognitively-Impaired-Not-Demented individuals
- April 8, 2004: Interviewed by Alicia Doris (Trent Communications) for a Focus Trent cover story on my research with Cognitively-Impaired-Not-Demented individuals

GOVERNMENT REPORTS

Peters, K.R. (September 2002). *A review of the literature examining neuropsychological impairments and brain abnormalities in adolescents and adults with fetal alcohol syndrome (FAS) or fetal alcohol effects (FAE)*. Report prepared for the Correctional Service of Canada.

PROFESSIONAL AFFILIATIONS

- Canadian Sleep Society (2006 – present)
- Sleep Research Society (2006 – present)
- Research Member of the Murray Alzheimer Research and Education Program (2004 – present)
- International Neuropsychological Society (2003 – 2007)

HONOURS, AWARDS, & ACHIEVEMENTS

- Trent University Merit Award for Excellence in Research, December 2006
- CPA Certificate of Academic Excellence for Outstanding Doctoral Thesis, July 2004
- CIHR & Alzheimer Society of Canada Doctoral Research Award, March 2002
- NSERC Postgraduate Scholarship, March 2000
- NSERC Postgraduate Scholarship, March, 1998

STUDENT SUPERVISION

Thesis Committees

- Graduate (Masters) Level: 5 (Primary Advisor for 2)
- Undergraduate (Honours) Level: 31 (Primary Advisor for 13)