



René Marois, Ph.D.

Position: Associate Professor of Psychology

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Appointments

- Associate Professor, Psychology Dept. Vanderbilt Univ. Spring 2006 -
- Assistant Professor, Psychology Dept. Vanderbilt Univ. Fall 1999 - Fall 2005
- Postdoctoral Fellow, NMR Center, Yale Univ. Sch. Med. 1997 - 1999

Degrees Earned

- Yale University, New Haven, CT, Ph.D. Neuroscience 1996
- Dalhousie University, Halifax, Canada, M.Sc. Psychology 1989
- McGill University, Montreal, Canada, B.Sc. Biology 1986

Honors and fellowships

- Chancellor's Award for Research 2005
- Jeffrey Nordhaus Award for outstanding undergraduate teaching 2004
- John F. Kennedy Center investigator 2000 - present
- Fonds FCAR (Quebec) Postgraduate Scholarship Fall 1991-Summer 1992
- NSERC (Canada) Postgraduate Scholarship Fall 1989-Summer 1991
- Dalhousie Fellowship Fall 1986-Summer 1988

Professional Memberships

- Association for Psychological Science
- Society for Neuroscience
- Cognitive Neuroscience Society
- Psychonomic Society
- International Brain Research Organization
- Organization for Human Brain Mapping

Invited Presentations

- Invited Speaker, Rovereto Attention Workshop, Rovereto, Italy, October 2009
- Invited Speaker, Symposium on Visual Short-Term Memory and Attention, International Congress of Psychology, Berlin, Germany, July 2008
- Invited Speaker, Symposium on the Neural Basis of Visual Short-Term Memory, Cognitive Neuroscience Society, San Francisco, CA, April 2008
- Invited Participant, MacArthur Foundation Law & Neuroscience project, Vanderbilt University. February 2008
- Invited Speaker, Nashville Inn of Court, November 2007
- Slide Session Chair, Society for Neuroscience annual meeting October 2007
- Invited Participant, MacArthur Foundation Law & Neuroscience project, University California, Santa Barbara. September 2007
- Invited Speaker, Introduction to fMRI: Baics, Reseach Design and Analysis. Vanderbilt Kennedy Center, Vanderbilt University, Nashville, TN. August 2007
- Academy Colloquium on “Blinks of the mind: New insights in temporal attention and consciousness” Royal Netherlands Academy of Arts & Sciences, August 2007
- Brain & Cognition Colloquium, University of Illinois, Urbana-Champaign, November 2006
- Slide Session Chair, Society for Neuroscience annual meeting October 2006
- Perceptual Expertise Network, McGill Univ., Montréal, Canada October 2005
- Yale University Dept. of Psychology-MR Imaging Research Center, New Haven, CT, September 2005
- Montreal Neurological Institute, McGill University, Montréal, Canada, June 2005
- Dept of Psychology, University of Montréal, Montréal, Canada, October 2004
- Invited speaker, Dual-Task Performance Conference, Ohlstadt, Germany, February 26-29, 2004
- Center for the Study of Brain, Mind & Behavior, Princeton University, Princeton, N.J., March 2003
- Vanderbilt University Institute of Imaging Science, February 2003
- 28th Interdisciplinary Conference, Jackson Hole, WY, Februrary 2003
- Invited participant, 20th International Symposium on Attention & Performance, Erice, Sicily. July 2002
- Dept of Neurosciences, Brown University, Providence, RI. November 2001
- Alan Baddeley Colloquium, MRC Cognition & Brain Sciences Unit, Cambridge, UK. June 2001

- Psychology Dept Colloquium, Chinese University of Hong Kong, Hong Kong. May 2001
- Functional Imaging of Human Neural Development Meeting. New Orleans, March 13-15, 2001
- Selected Slide Presentation, Human Brain Mapping Conference, Dusseldorf Germany, June 1999
- Larval Biology Meeting, Harbor Branch Oceanographic Institution, Fort Pierce, FL August 1995

Teaching Experience

Course #	Course Title
PSY201	Neuroscience
NURO330	Cognitive Neuroscience
PSY316	Brain Imaging Methods
PSY358	Seminar in Neuroscience (<i>co-ordinator</i>)
PSY285	Neural Basis of Learning & Memory

Ad-hoc Reviewer

Journals

- Archives of General Psychiatry
- Canadian Journal of Experimental Psychology
- Cerebral Cortex
- Cognition
- Cognitive and Affective Behavioral Neuroscience
- Cognitive Psychology
- Current Biology
- Experimental Brain Research
- Journal of Cognitive Neuroscience
- Journal of Neuroscience
- Journal of Experimental Psychology: General
- Journal of Experimental Psychology: Human Perception & Performance
- Nature
- Nature Neuroscience
- Neuroimage
- Neuron
- Perception & Psychophysics
- Public Library of Science (PLOS)
- Proceedings of the National Academy of Sciences
- Psychological Science
- Quarterly Journal of Experimental Psychology
- Trends in Cognitive Sciences
- Vision Research

Granting agencies

- National Science Foundation (NSF)
- NIH B/Start Applications
- Human Frontier Science Program Organization
- Spencer Foundation
- Alzheimer's Association.

Extra-mural services

F12A Fellowship Review Panel member, March 2009

Research Grants

- Sponsor: MacArthur foundation
Title: Juror Decisions about Mental States
Award Period: January 2009 - December 2009
Direct Costs: \$ 8,600
Indirect Costs: \$ 1,290
Role: Principal Investigator
- Sponsor: MacArthur foundation
Title: Neural Correlates of the Decision to Punish
Award Period: January 2009 - December 2009
Direct Costs: \$ 7,000
Indirect Costs: \$ 1,050
Role: Principal Investigator
- Sponsor: Vanderbilt University central Discovery Grant Program
(Interdisciplinary Grant)
Title: Law and Brain Imaging
Award Period: January 2007 - December 2009
Direct Costs: \$ 98,500
Indirect Costs: \$ ---
Role: Principal Co-Investigator. Owen Jones (Vanderbilt Law School), co-PI.
- National Institute of Mental Health, \$1,590,650 (April 2004 – March 2009)
“Capacity Limits in Multi-Tasking” (MH70776)
- National Science Foundation, \$453,218 July 2001- June 2005, “Attentional Limits to Visual Perception” (NSF#0094992)
- National Institute of Health, \$1,051,900 July 2003- June 2007, “Attention and Neural Plasticity in Humans”

- Vanderbilt General Clinical Research Center. \$10, 000, PI, July 2002- June 2003. "An fMRI Investigation of Human Visual Attention"
- Nicholas Hobbs Foundation, \$10, 0000, July 2000 – June 2001, co-PI, "Functional MRI & behavioral study of interactions between perceptual expertise and attention"
- New Program Development, John F. Kennedy Center (P30 HD1505220), \$15, 000, July 2000 –June 2001, co-PI, "Functional MRI and Behavioral Studies of the Interactions Between Perceptual Expertise and Attention"

Articles in Refereed Journals

Fougnie, D.L., & Marois, R. (in press). Dual-task interference in visual working memory: A limitation in storage capacity but not in encoding or retrieval. *Attention, Perception & Psychophysics*.

Dux, P.E., Tombu, M.N., Harrison, S., Rogers, B.P., Tong, F., & Marois, R. (in press). Training improves multitasking performance by increasing the speed of information processing in human prefrontal cortex. *Neuron*.

Ivanoff, J.I., Branning, P., & Marois, R. (in press). Mapping the Pathways of Information Processing from Sensation to Action in Four Distinct Sensorimotor Tasks . *Human Brain Mapping*.

Dux, P.E., & Marois, R. (in press). How humans search for targets through time: A review of data and theory from the attentional blink. *Attention, Perception, & Psychophysics*.

Dux, P. E., Asplund, C. L., & Marois, R. (2009). Both exogenous and endogenous target salience manipulations support resource depletion accounts of the attentional blink: A reply to Olivers, Spalek, Kawahara & Di Lollo. *Psychonomic Bulletin & Review*, 16, 219-224.

Fougnie, D., & Marois, R. (2009). Attentive tracking disrupts feature binding in visual working memory. *Visual Cognition*, 17, 48-66.

Dux, P. E., & Marois, R. (2008). Distractor inhibition predicts individual differences in the attentional blink. *PLoS ONE*, 3, e3330.

Buckholtz, J.W., Asplund, C.L., Dux, P., Zald, D.H., Gore, J.C., Jones, O.W., & Marois, R. (2008). The Neural Correlates of Third-Party Punishment. *Neuron*,

30, 930-940.

Ivanoff J, Branning P, Marois R. (2008) fMRI evidence for a dual process account of the speed-accuracy tradeoff in decision-making. *PLoS ONE*. Jul 9; 3(7):e2635

Dux, P. E., Asplund, C. L., & Marois, R. (2008). An attentional blink for sequentially presented targets: Evidence in favor of resource depletion accounts. *Psychonomic Bulletin & Review*, 15, 809-813.

Dux P, Marois R. (2007). Repetition Blindness is Immune to the Central Bottleneck. *Psychonomic Bulletin Review* 14, 729-734.

Fougnie DL, Marois R. (2007). Executive Load in Working Memory Induces Inattentive Blindness. *Psychonomic Bulletin Review* 14, 142-147.

Dux P, Ivanoff, J., Asplund, C., & Marois R. (2006). Isolation of a central bottleneck of information processing with time-resolved fMRI. *Neuron*, 52: 1109-1120.

Yi DJ , Kelley TA, Marois R, Chun MM. (2006). Attentional Modulation of Repetition Attenuation is Anatomically dissociable for scenes and faces. *Cognitive Brain Research*, 1080:53-62.

Fougnie DL, Marois R. (2006). Distinct Capacity Limits for Attention and Working Memory. Evidence from Attentive Tracking and Visual Working Memory Paradigms. *Psychological Science*, 17:526-534.

Marois, R, Larson, JM, Chun MM, & Shima, D. (2006). Response-specific sources of dual-task interference in human premotor cortex. *Psychological Research*, 70:436-447.

Todd JJ, Fougnie, DL, Marois R. (2005) Visual Short-Term Memory Load Suppresses Right Temporo-Parietal Junction Activity and Induces Inattentive Blindness. *Psychological Science*, 16:965-972.

Todd JJ, Marois R. (2005) Posterior Parietal Cortex Activity Predicts Individual Differences in Visual Short-Term Memory Capacity. *Cognitive, Affective & Behavioral Neuroscience*, 5:144-155.

Marois R, Ivanoff J. (2005) Capacity limits of Information processing in the brain. *Trends in Cognitive Sciences*, 9:296-304.

- Yi DJ, Woodman GF, Widders D, Marois R, Chun MM (2004) The neural representation of ignored visual events: Dissociable effects of perceptual attention and working memory attention. *Nature Neuroscience* 7:992-996.
- Todd JJ, Marois R. (2004) The Capacity Limit of Visual Short-Term Memory in Human Posterior Parietal Cortex. *Nature* 428:751-753.
- Marois R, Yi DJ, Chun, MM (2004) The neural fate of perceived and missed events in the attentional blink. *Neuron*. 41:465-472.
- Marois R, Chun MM, Gore JC (2004) A common parieto-frontal network is recruited under both low visibility and high perceptual interference. *Journal of Neurophysiology* 92:2985-2992.
- Schultz RT, Grelotti D, Klin A, Kleinman J, Van der Gaag C, Marois R, and Skudlarski, P. (2003) The Role of the Fusiform Face Area in Social Cognition: Implications for the Pathobiology of Autism. *Philosophical Transactions of the Royal Society of London Series B: Biological Sciences*. 358:415-427.
- Shafritz KM, Gore JC, Marois R (2002) The role of the parietal cortex in visual feature binding. *Proceedings National Academy Sciences USA* 99:10917-10922.
- Palmeri, TJ, Blake, R, Marois, R, Flanery, M, Whetsell, W. (2002) The Perceptual Reality of Synesthetic Colors. *Proceedings National Academy Sciences USA* 99:4127-4131.
- Anderson, A.W., Marois, R., Colson, E.R., Peterson, B.S., Duncan, C.C., Ehrenkranz, R.A., Schneider, K.C., Gore, J.C., & Ment, L.C. (2001). Neonatal Auditory Activation Detected by Functional Magnetic Resonance Imaging. *Magnetic Resonance Imaging* 19:1-5.
- Marois R, Leung HC, Gore JC (2000) A stimulus-driven approach to object identity and location processing in the human brain. *Neuron* 25:717-728.
- Marois R, Chun MM, Gore JC (2000) Neural Correlates of the Attentional Blink. *Neuron*, 28: 299-308.
- Marois R, Carew TJ (1997) Fine structure of the apical ganglion and its serotonergic cells in the larva of *Aplysia californica*. *Biol Bull* 192:388-398.
- Marois R, Carew TJ (1997) Projection patterns and target tissues of the serotonergic cells in larval *Aplysia californica*. *J Comp Neurol* 386:491-506.

Marois R, Carew TJ (1997) Ontogeny of serotonergic neurons in *Aplysia californica*. *J Comp Neurol* 386:477-490.

Marois R, Croll RP (1992) Development of serotonin-like immunoreactivity in the embryonic nervous system of the snail *Lymnaea stagnalis*. *J Comp Neurol* 322:255-265.

Marois R, Croll RP (1991) Hatching asynchrony within the egg mass of the pond snail, *Lymnaea stagnalis*. *Invert. Reprod. Dev.* 19:139-146.

Review Articles, Book Chapters

Jolicœur, P., Dell'Acqua, R., Brisson, B., Robitaille, N., Sauvé, K., Leblanc, E., Prime, D., Grimault, S., Marois, R., Sessa, P., Grova, C., Lina, J.-M., & Dubarry, A.-S. (2007). Visual spatial attention and visual short-term memory: Electro-magnetic explorations of the mind. In V. Coltheart (Ed.), *Tutorials in visual cognition*. Hove (UK): Psychology Press.

Marois, R. (2005) Two-timing attention. *Nature Neuroscience* 8:1285-1286.

Marois, R. (2005) The Neural Basis of the Attentional Blink. In *Neurobiology of Attention*. (Itti L, Rees G, Tsotsos L, Eds.), pp. 383-388, Academic Press/Elsevier.

Marois, R. (2005) Capacity Limits of Information Processing in the Human Brain. *Phi Kappa Phi Forum*, 85:30-33.

Blake, R., Palmeri, T.J., Marois, R., Kim, C.-Y. (2005) On the Perceptual Reality of Synesthetic Color. In *Attention on Synesthesia: Cognition, Development, and Neuroscience* (L.Robertson & N. Sagiv, Eds.). pp. 47-73, Oxford University Press.

Marois R. (2002) The cortical basis of motor planning: Does it take two to tango? *Nature Neuroscience* 5:1254-1255.

Chun, M.M., Marois, R. (2002) The Dark Side of Attention. *Current Opinion in Neurobiology*. 12:184-189.

Stark, L.L., Marois, R., Emptage, N.J., Marcus, E.A. and T.J. Carew (1996). Central actions of serotonin across the lifespan of *Aplysia*: Implications for development and learning. In: *Basic Neuroscience in Invertebrates*, H.Koike, Y. Kidokoro, K. Takahashi and T. Kanaseki (eds), Japan Scientific Society Press, Tokyo.

Marcus, E.A., Emptage, N.J., Marois, R. and T.J. Carew (1994) A comparison of the mechanistic relationships between development and learning in *Aplysia*. *Progr. Brain Res.*, 100:179-188.

Marois, R. and I.A. Meinertzhagen (1990) The visual system of flies: analysis of the number, specificity, plasticity, and phylogeny of identified synapses. In: Systems Approaches to Developmental Neurobiology, P.A. Raymond, S.S. Easter and G.M. Innocenti (eds.), Plenum Press, New York.

Marois, R. and T.J. Carew (1990) The gastropod nervous system in metamorphosis. *J. Neurobiol.* **21**:1053-1071.

Conference Proceedings

Asplund, C.L., Todd, J.J., Snyder, A., Gilbert, C., & Marois, R. Convergence of goal-directed and stimulus-driven attention in lateral frontal/prefrontal cortex. *Soc. Neurosci. Abstr.* (2009).

Scalf, P., Dux, P.E., & Marois, R. Working memory consolidation delays top-down attentional processing in visual cortex: A time-resolved fMRI study. *Vision Sciences Society*, Naples, Florida, May 2009.

Asplund, C.L., Todd, J.J., Snyder, A., Gilbert, C., & Marois, R. Convergence of goal-directed and stimulus-driven selection in lateral prefrontal cortex.

Todd, J.J., Han, S.W., Harrison, S., & Marois, R. The neural correlates of working memory consolidation: A time-resolved fMRI study. *Vision Sciences Society*, Naples, Florida, May 2009.

Robitaille, N., Grimault, S., Todd, J.J., Marois, R., Cheyne, D., & Jolicoeur, P. Multiple physiological markers of visual short-term memory capacity: convergence and divergence. *Vision Sciences Society*, Naples, Florida, May 2009.

Fougnie, D.L., Asplund, C.L., & Marois, R. Visual working memory capacity can be assessed independent of comparison errors. *Vision Sciences Society*, Naples, Florida, May 2009.

Dux, p.E., Asplnd, C.L., & Marois, R. Both exogenous and endogenous target salience manipulations support resource depletion accounts of the attentional blink. *Vision Sciences Society*, Naples, Florida, May 2009.

Asplund, C.L., & Marois, R. The ventral, but not dorsal, attention network mediates stimulus-driven attentional limit to conscious perception *Soc. Neurosci. Abstr.* (2008).

Fougnie, D.L., & Marois, R. Do visual and auditory working memory share the same capacity limit? A potential resolution to the debate. *Object Perception, Attention and Memory*, Chicago, IL, 2008.

Scalf, P.E., Dux, P.E. & Marois, R. Working Memory Consolidation Delays

- Perceptual Processing in Visual Cortex: A Time-Resolved fMRI Study. Human Brain Mapping, 2008.
- Fougnie, D. & Marois, R. Working memory capacity is modality-specific: Evidence of separate stores for auditory and visuospatial stimuli. *Vision Sciences Society*, Naples, Florida, May 2008.
- Dux, P. E., & Marois, R. Individual differences in distractor priming during the attentional blink: Distractor inhibition gives rise to awareness. *Vision Sciences Society*, Naples, Florida, May, 2008.
- Dux, P.E.D., Tombu, M., & Marois, R. From Capacity-Limited to Capacity-Free Processing: Training Eliminates Dual-Task Costs in Human Prefrontal Cortex. Soc. Neurosci. Abstr. (2007).
- Buckholtz, J.W., Asplund, C.L., Dux, P., Zald, D.H., Gore, J.C., Jones, O.W., & Marois, R. The Neural basis of Legal Decision-Making. Soc. Neurosci. Abstr. (2007).
- Todd, J.J., & Marois, R. Endogenous orienting of attention in impervious to masked priming. Vision Science Society Meeting (2007).
- Asplund, C.L., & Marois, R. An fMRI comparison of Theory of Mind, Default Mode of Processing, Stimulus-Driven Attention, and Egocentric Spatial Attention Networks. Human Brain Mapping Conference, Chicago, IL, June 2007
- Dux, P.E., Asplund, C.L., Marois, R. Evidence in favor of a Resource Depletion Account of the Attentional Blink. Vision Science Society Meeting (2007).
- Fougnie, D.L., & Marois, R. Multiple object tracking disrupts feature binding in visual working memory. Vision Science Society Meeting (2007).
- Dux, P.E., Ivanoff, J., Asplund, C., Marois, R. Isolation of a central bottleneck of information processing with time-resolved fMRI. Soc. Neurosci. Abstr. (2006).
- Ivanoff, J, Branning, P, Marois R. On the neural hemodynamics of speed and accuracy mental sets in decision-making. Soc. Neurosci. Abstr. (2006). Slide Session Chair, Society for Neuroscience annual meeting (2006).
- Dux, P.E., Marois, R. Repetition Blindness is immune to the central bottleneck. Vision Science Society Meeting (2006).
- Todd JJ, Harrison, S, Marois R. Neural Dissociation of visual working memory consolidation and maintenance. Vision Science Society Meeting (2006).
- Ivanoff J, Branning P, Marois R. The neural hemodynamics of speed-accuracy trade-off in decision criterion. Human Brain Mapping Conference (2005).
- Todd JJ, Marois R. Posterior parietal cortex activity predicts individual differences in visual short-term memory capacity. Vision Science Society Meeting (2005).
- Ivanoff J, Branning P, Marois R. The neural hemodynamics of speed-accuracy trade-off in decision criterion. Vision Science Society Meeting (2005).
- Fougnie DL, Todd JJ, Marois R. Visual short-term memory load induces inattentional blindness. Vision Science Society Meeting (2005).
- Branning P, Ivanoff JG, Marois R. Mapping the pathways of information

- processing from sensation to action in two distinct sensorimotor tasks. Soc. Neurosci. Abstr. (2004).
- Todd JJ, Snyder, AM, Marois R. The Neural correlates of Surprise Blindness. Vision Science Society Meeting (2004).
- Fougnie DL, Marois R. Is the capacity limit of attentional tracking and visual working memory one and the same? Vision Science Society Meeting (2004).
- Todd JJ, Marois, R. Reciprocal response of the intra-parietal cortex and right temporo-parietal junction with increased visual short-term memory load. Cognitive Neurosciences Society Meeting (2004).
- Yi DJ, Woodman GF, Widders D, Marois R, Chun, MM. Dissociating the Effects of Perceptual and Working Memory Load Using fMRI. Psychonomics Soc. Abstr. (2003).
- Todd JJ, Marois R. Neural correlates of visual short-term memory capacity. Psychonomics Soc. Abstr. (2003).
- Todd JJ, Marois R. Neural correlates of visual short-term memory capacity. Soc. Neurosci. Abstr. (2003).
- Blake R, Palmeri, T.J., Marois, R., Kim C.Y. Synesthetic Colors Act Like Real Colors and Interact With Real Colors. Vision Science Society Meeting (2003).
- Marois R, Todd, J.J., Gilbert, C. Surprise Blindness: A Distinct form of attentional limit to explicit perception? Vision Science Society Meeting (2003).
- Marois R, Larson, JM, Chun, MM, Shima, D. The Neural correlates of the response bottleneck. Soc. Neurosci. Abstr. (2002).
- Marois R, Larson, JM, Chun, MM, Shima, D. The Neural correlates of the response bottleneck. Human Brain Mapping Conference (2002).
- Marois R, Todd JJ, Chun, MM. The impact of visual short-term memory capacity on the attentional blink. Vision Science Society Meeting (2002).
- Shafritz KM, Gore JC, Marois R. The role of the parietal cortex in visual feature binding. Soc. Neurosci. Abstr. (2001).
- Marois R, Chun, MM, Gore JC. A Parametric Study of Visual Short-term Memory Encoding. Neuroimage Suppl., (2001).
- Marois R, Chun, MM, Gore JC. Dissociating perceptual interference from perceptual difficulty with fMRI. Soc. Neurosci. Abstr. (2000).
- Marois R, Chun, MM, Gore JC: The neural correlates of an attentional bottleneck. J. Cognitive Neuroscience Suppl. 2000.
- Marois R, Chun MM, Gore JC: Imaging Attentional Blinks and Attentional Crowding In the Brain. Society for Neuroscience Abstracts 1999, 25:288.
- Marois R, Chun MM, Gore JC: Imaging Attentional Blinks in the Human Brain. Neuroimage Suppl., 1999, 9:750
- Marois R, Leung HC, Moylan, J., Gore JC: A stimulus-driven approach to object identity, location and their conjunction. J. Cognitive Neuroscience Suppl. 1999, 79.
- Marois R, Moylan J, Feineigle P, Gore JC: How early does perceptual grouping emerge? Neuroimage 1998;7:S355.

- Marois R, Moylan J, Gore JC: Dissociation of visual frames of reference using fMRI. *Journal of Cognitive Neuroscience Suppl.* 1998;58.
- Marois R, Gauthier I, Moylan J, Gore JC: Neural substrates of perceptual grouping. *Society for Neuroscience Abstracts* 1997;23:2064.
- Marois R, Skudlarski P, Gore JC: An fMRI study of visual feature integration. *Neuroimage* 1997;5:S168.
- Olson IR, Marois R, Ruddle F, Carew TJ: Cloning of two homeobox genes in *Aplysia*. *Society for Neuroscience Abstracts* 1996;22:1878.
- Marois R, Hofstadter P, Carew TJ: Expression of an engrailed-like protein in *Aplysia*. *Society for Neuroscience Abstracts* 1994;20:1317.
- Marois R, Hofstadter P, Carew TJ: Birthdate and identification of serotonergic cells in embryonic and larval *Aplysia*. *Society for Neuroscience Abstracts* 1993;19:1287.
- Marois R, Kelly GM, Hockfield S, Carew TJ: An ultrastructural study of serotonergic cells in the CNS of embryonic and larval *Aplysia*. *Society for Neuroscience Abstracts* 1992;18:1471.
- Marois R, Croll RP: Embryonic development of serotonin-like immunoreactivity in the CNS of the pond snail *Lymnaea*. *Bull Can Soc Zool* 1988;19:22.
- Marois R, Chiasson BJ, Croll RP: Embryonic development of serotonin-like immunoreactivity in the pond snail, *Lymnaea stagnalis*. *Bull Can Soc Zool* 1987;18:23.
- Marois R, Carew TJ: Pre-metamorphic development of serotonin immunoreactivity in *Aplysia*. *Society for Neuroscience Abstracts* 1989;15:1121.
- Marois R, Chiasson BJ, Croll RP: Embryonic development of serotonin-like immunoreactivity in the central nervous system of the snail *Lymnaea*. *Society for Neuroscience Abstracts* 1987;13:1142.

Services

- Chair, Socio-Affective faculty search committee, Psychology Dept 2007
- Department Representative, Graduate Faculty Delegate Assembly 2006-2007
- Chair, EEG faculty search committee, Psychology Dept 2006
- Member, Future Direction Committee, Psychology Dept 2006
- Member, Self-study Committee, Interdepartmental Neuroscience Program 2004-2005
- Co-Director, Imaging Module, Vanderbilt Vision Research Training Grant 2003-present
- Member, 3T Scanner Advisory committee 2003-present
- Member, Colloquium Committee, Psychology Department 2001-present
- Member, Graduate Committee, Department of Psychology 2000-present
- Member, Graduate Committee, Interdepartmental Neuroscience Program 2000-present

Ph.D. and Post Doctoral Advisors

Thomas J. Carew, Ph.D. Dept. Psychology, Yale University
John C. Gore, Ph.D. Dept. Diagnostic Radiology, Yale University
School of Medicine

Graduate students and Post-Doctoral Advisees

Michael Tombu NIH post-doctoral fellow (2006-2008)
Paige Scalf Post-doctoral fellow (2006-)
Paul Dux, Ph.D., NIH post-doctoral fellow (2005- 2008)
Jason Ivanoff, Ph.D. NSERC post-doctoral fellow (2003-2006)
Suk-Won Han Graduate program in Psychology (2007-present)
Chris Asplund Graduate program in Neuroscience (2005-)
Daryl Fougne Graduate program in Psychology (2003-present)
Jay Todd Graduate program in Psychology (2002-2008)