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CURRICULUM VITAE

MELVYN ALAN GOODALE

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NATIONALITY: Canadian

EDUCATION:

Ph.D.	(Psychology)	University of Western Ontario	1969
M.A.	(Psychology)	University of Calgary	1966
B.A.	(Psychology)	University of Alberta	1963

PROFESSIONAL EXPERIENCE:

2008-pres.	Scientist	Brain and Mind	Robarts Research Institute
2001-pres.	Professor	Visual Neuroscience	Canada Research Chairs Program
1999-pres.	Professor	Physiol./Pharmacol.	Univ. of Western Ontario
1983-pres.	Professor	Psychology	Univ. of Western Ontario
1977-83	Assoc Professor	Psychology	Univ. of Western Ontario
1972-77	Lecturer	Psychology	Univ. of St. Andrews, Scotland
1971-72	Research Fellow	Psychology	Univ. of St. Andrews, Scotland
1969-71	Postdoctoral Fellow	Psychology	Univ. of Oxford, England

SCHOLARLY AND PROFESSIONAL ACTIVITIES (last six years only):

Appraiser: Neuroscience Graduate Program, Dalhousie
Dept. Psychology, Neuroscience, & Behaviour, McMaster
CFI Outcomes Assessment, Cognitive Neuroscience, McGill
Dept. Cognitive, Linguistic, and Psychological Sciences, Brown
University

Associate Editor: Neuropsychologia, Proceedings of the Royal Society B,
Multisensory Research

Chair: ORF-RI Grant Selection Committee
CFI Innovation Reverse Site-Visit Team
Research Resources Grant Selection Committee, CIHR

Editor: Experimental Brain Research

Director: The Brain and Mind Institute, University of Western Ontario

Co-Director: Azrieli Program on Brain, Mind, and Consciousness, CIFAR

SCHOLARLY AND PROFESSIONAL ACTIVITIES (cont'd)

Member: Nominating Committee, Vision Sciences Society
Organizing Committee, CAOS Workshops

LEARNED SOCIETIES:

Fellow, American Psychological Society
Founding Member of Neurosciences Association
Founding Member of Canadian Society for Brain, Behaviour, and Cognitive Science
Past-President, Canadian Society for Brain, Behaviour, and Cognitive Science
Member of Society for Neuroscience
Member of Vision Sciences Society
Member of International Neuropsychological Symposium
Member of Psychonomic Science
Past-President of the Association for the Scientific Study of Consciousness

HONOURS, AWARDS, AND NAMED LECTURES:

Ivey Fellow, Canadian Institute for Advanced Research (appointed 2016)
Honorary Visiting Professor, La Trobe University, Melbourne, Australia (2014-2017)
Fellow of the Royal Society of Biology, UK (elected 2014)
Fellow of the Royal Society, UK (elected 2013)
Donald O. Hebb Memorial Lecture, Dalhousie University, 2013
Fellow, American Psychological Society, 2010
Richard C. Tees Award for Distinguished Leadership (CSBBBCS), 2008
Distinguished University Professor, 2007
Allen L. Edwards Lecture, University of Washington, Seattle, 2007
Kanizsa Lecture, University of Trieste, Italy, 2006
Hellmuth Prize for Scientific Achievement, 2006
Annual Book Award ("Sight Unseen" with A.D. Milner), British Psychological Society, 2005
Fellow of the Royal Society of Canada (elected 2001)
Canada Research Chair (Tier 1) in Visual Neuroscience, 2001-present
Honorary Professor, Department of Psychology, University of Durham, 2003-2006
Alkek Lecture in Neuroscience, Rice University, 2000
Helmholtz Lecture, University of Utrecht, The Netherlands, 2000
Chair's Invited Plenary Lecture, British Neuropsychological Society, London, England, 2000
Distinguished Lecturer in Psychology, University of Alberta, 1999
Donald O. Hebb Distinguished Contribution Award (CSBBBCS) 1999
Cornelius Wiersma Visiting Professor of Biology, Caltech, 1998-1999
Edward G. Pleva Award for Excellence in Teaching, 1994

CURRENT RESEARCH GRANTS: (note: continuous funding by NSERC and MRC/CIHR since 1979 and 1980, respectively)

2014-2016	PSI	Health Research grant	\$138,558
2012-2017	NSERC	Discovery grant	\$450,000.
2014-2019	CIFAR	Research grant	\$400,000.
2009-2016	CIHR	Operating grant	\$850,450.

PUBLICATIONS

Papers in Refereed Journals:

- Whitwell, R.L., Buckingham, G., Enns, J.T., Chouinard, P.A., & **Goodale M.A.** (in press) Rapid decrement in the effects of the Ponzo display dissociates action and perception. *Psychonomic Bulletin and Review*.
- Paulun, V.C., Gegenfurtner, K.R., **Goodale, M.A.**, & Fleming, R.W. (2016). Effects of material properties and object orientation on precision grip kinematics. *Experimental Brain Research*, 234, 2253-2265.
- Buckingham, G., **Goodale, M.A.**, White, J.A., Westwood, D.A. (2016). Equal-magnitude size-weight illusions experienced within and between object categories. *Journal of Vision*, 16(3):25.
- Tang, R., Whitwell, R.L., & **Goodale, M.A.** (2016). Unusual hand postures but not familiar tools show motor equivalence with precision grasping. *Cognition*, 151, 28-36.
- Crewther, D. P., Crewther, D., Bevan, S., **Goodale, M. A.**, & Crewther, S. G. (2015). Greater magnocellular saccadic suppression in high versus low autistic tendency suggests a causal path to local perceptual style. *Royal Society Open Science*, 2, 150226.
- Thaler, L., Paciocco, J., Daley, M., Lesniak, G.D., Purcell, D.W., Fraser, J.A., Dutton, G.N., Rossit, S., **Goodale, M.A.**, & Culham, J.C. (2016). A selective impairment of perception of sound motion direction in peripheral space: A case study. *Neuropsychologia*, 80, 79-89.
- Stöttinger, E., Filipowicz, A., Valadao, D., Culham, J.C., **Goodale, M.A.**, Anderson, B., & Danckert, J. (2015). A cortical network that marks the moment when conscious representations are updated. *Neuropsychologia*, 79, 113-122.
- Snow, J.C., **Goodale, M.A.**, & Culham, J.C. (2015). Preserved haptic shape processing after bilateral LOC lesions. *Journal of Neuroscience*, 35, 13745-13760.
- Carey, D.P., Otto-de Haart, E.G., Buckingham, G., Dijkerman, H.C., Hargreaves, E.L., & **Goodale, M.A.** (2015). Are there right hemisphere contributions to visually-guided movement? Manipulating left hand reaction time advantages in dextrals. *Frontiers in Psychology*, 6:1203.
- Wood, D.K., Gu, C., Corneil, B.D., Gribble, P.L., & **Goodale, M.A.** (2015). Transient visual responses reset the phase of low-frequency oscillations in the skeletomotor periphery. *European Journal of Neuroscience*, 42, 1919-1932.
- Whitwell, R.L., Ganel, T., Byrne, C.M., & **Goodale M.A.** (2015). Real-time vision, tactile cues, and visual form agnosia: removing haptic feedback from a "natural" grasping task induces pantomime-like grasps. *Frontiers in Human Neuroscience*, 9:216.
- Foley, R.T., Whitwell, R.L., & **Goodale, M.A.** (2015). The two-visual-systems hypothesis and the perspectival features of visual experience. *Consciousness and Cognition*, 35, 225-233.
- Buckingham, G., Milne, J.L., Byrne, C.M., & **Goodale M.A.** (2015). The size-weight illusion induced through human echolocation. *Psychological Science*, 26, 237-242.
- Smith, F.W., & **Goodale, M.A.** (2015). Decoding visual object categories in early somatosensory cortex. *Cerebral Cortex*, 25, 1020-1031.
- Yabe, Y. & **Goodale, M.A.** (2015). Time flies when we intend to act: temporal distortion in a go/no-go task. *Journal of Neuroscience*, 35, 5023-5029.
- Chen, J., Jayawardena, S., & **Goodale, M.A.** (2015). The effects of shape crowding on grasping. *Journal of Vision*. 15(3). pii: 6. doi: 10.1167/15.3.6.

Papers in Refereed Journals: (cont'd)

- Tang, R., Whitwell, R.L., & **Goodale, M.A.** (2015). The influence of visual feedback from the recent past on the programming of grip aperture is grasp-specific, shared between hands, and mediated by sensorimotor memory not task set. *Cognition*, *138*, 49-63.
- Chen, J., Sperandio, I., & **Goodale, M.A.** (2015). Differences in the effects of crowding on size perception and grip scaling in densely cluttered 3-D scenes. *Psychological Science*, *26*, 58-69.
- Milne J.L., Arnott S.R., Kish, D., **Goodale M.A.**, & Thaler, L. (2015). Parahippocampal cortex is involved in material processing via echoes in blind echolocation experts. *Vision Research*, *109*, 139-148.
- Striemer, C.L., Chouinard, P.A., **Goodale, M.A.**, & de Ribaupierre, S. (2015). Overlapping neural circuits for visual attention and eye movements in the human cerebellum. *Neuropsychologia*, *69*, 9-21.
- Vercillo, T., Milne, J.L., Gori, M., & **Goodale, M.A.** (2015). Enhanced auditory spatial localization in blind echolocators. *Neuropsychologia*, *67*, 35-40.
- Whitwell, R.L., Milner, A.D., & **Goodale, M.A.** (2014). The two visual systems hypothesis: new challenges and insights from visual form agnostic Patient DF. *Frontiers in Neurology* *5*:255.
- Milne, J.L., Anello, M., **Goodale, M.A.**, & Thaler, L. (2014). A blind human expert echolocator shows size constancy for objects perceived by echoes. *Neurocase*, *29*, 1-6.
- Milne J.L., **Goodale, M.A.**, & Thaler, L. (2014). The role of head movements in the discrimination of 2-D shape by blind echolocation experts. *Attention, Perception, and Psychophysics*, *76*, 1828-1837.
- Gallivan, J.P., Cant J.S., **Goodale M.A.**, & Flanagan J.R. (2014). Representation of Object Weight in Human Ventral Visual Cortex. *Current Biology*, *24*, 1866-1873.
- Goodale, M.A.** (2014). How (and why) the visual control of action differs from visual perception. *Proceedings of the Royal Society B.*, *281*, 20140337.
- Buckingham, G., Wong, J.D., Tang, M., Gribble, P.L., & **Goodale M.A.** (2014). Observing object lifting errors modulates cortico-spinal excitability and improves object lifting performance. *Cortex*, *50*, 115-124.
- Ganel, T. & **Goodale, M.A.** (2014). Variability-based Garner interference for perceptual estimates but not for grasping. *Experimental Brain Research*, *232*, 1751-1758.
- Tang, R., Whitwell, R.L., & **Goodale M.A.** (2014). Explicit knowledge about the availability of visual feedback affects grasping with the left but not the right hand. *Experimental Brain Research*, *232*, 293-302.
- Buckingham, G., Byrne, C.M., Paciocco, J., van Eimeren, L., & **Goodale, M.A.** (2014). Weightlifting exercise and the size-weight illusion. *Attention, Perception, and Psychophysics*, *76*, 452-459.
- Podrebarac, S.K., **Goodale, M.A.**, & Snow, J.C. (2014). Are visual texture-selective areas recruited during haptic texture discrimination? *Neuroimage*, *94*, 129-137.
- Chapman, C.S., Gallivan, J.P., Wood, D.K., Milne, J.L., Ansari, D., Culham, J.C., & **Goodale, M.A.** (2014). Counting on the motor system: rapid action planning reveals the format- and magnitude-dependent extraction of numerical quantity. *Journal of Vision*, *14*(3):30.
- Yabe, Y., **Goodale, M.A.**, & Shigemasa, H. (2014). Temporal order judgments are disrupted more by reflexive than by voluntary saccades. *Journal of Neurophysiology*, *111*, 2103-2108.

Papers in Refereed Journals: (cont'd)

- Thaler, L., Milne, J.L., Arnott, S.R., Kish, D., & **Goodale, M.A.** (2014). Neural correlates of motion processing through echolocation, source hearing and vision in blind echolocation experts and sighted echolocation novices. *Journal of Neurophysiology*, *111*, 112-127.
- Whitwell, R.L., Milner A.D., Cavina-Pratesi, C., Byrne, C.M., & **Goodale, M.A.** (2014). DF's visual brain in action: The role of tactile cues. *Neuropsychologia*, *55*, 41-50.
- Sperandio, I., Kaderali, S., Chouinard, P.A., Frey, J., & **Goodale, M.A.** (2013). Perceived size change induced by nonvisual signals in darkness: the relative contribution of vergence and proprioception. *Journal of Neuroscience*, *33*, 16915-16923.
- Brown, L.E., & **Goodale, M.A.** (2013). A brief review of the role of training in near-tool effects. *Frontiers in Psychology*, *4*:576.
- Goodale, M.A.** (2013). Separate visual systems for perception and action: a framework for understanding cortical visual impairment. *Developmental Medicine and Child Neurology*, *55 Suppl 4*, 9-12.
- Rossit, S., McAdam, T., McLean, D.A., **Goodale, M.A.**, & Culham, J.C. (2013). fMRI reveals a lower visual field preference for hand actions in human superior parieto-occipital cortex (SPOC) and precuneus. *Cortex*, *49*, 2525-2541.
- Milne, J.L., Chapman, C.S., Gallivan, J.P., Wood, D.K., Culham, J.C., & **Goodale, M.A.** (2013). Connecting the dots: Object connectedness deceives perception but not movement planning. *Psychological Science*, *24*, 1456-1465.
- Johnston, K., Timney, B., & **Goodale, M.A.** (2013). Acute alcohol consumption impairs controlled but not automatic processes in a psychophysical pointing paradigm. *PLoS One*, *8*(7), e68682.
- Whitwell, R.L. & **Goodale, M.A.** (2013). Grasping without vision: Time normalizing grip aperture profiles yields spurious grip scaling to target size. *Neuropsychologia*, *51*, 1878-1887.
- Podrebarac, S.K., **Goodale, M.A.**, van der Zwan, R., & Snow, J.C. (2013). Gender-selective neural populations: evidence from event-related fMRI repetition suppression. *Experimental Brain Research*, *226*, 241-252.
- Arnott, S.R., Thaler, L., Milne, J.L., Kish, D., & **Goodale, M.A.** (2013). Shape-specific activation of occipital cortex in an early blind echolocation expert. *Neuropsychologia*, *51*, 938-949.
- Buckingham, G. & Goodale, M.A. (2013). Size matters: a single representation underlies our perceptions of heaviness in the size-weight illusion. *PLoS One*, *8*(1), e54709.
- Thaler, L., Schütz, A.C., **Goodale, M.A.**, & Gegenfurtner, K.R. (2013). What is the best fixation target? The effect of target shape on stability of fixational eye movements. *Vision Research*, *76*, 31-42.
- Chouinard, P.A., Striemer, C.L., Ryu, W.H., Sperandio, I., **Goodale, M.A.**, Nicolle, D.A., Rotenberg, B., & Duggal, N. (2012). Retinotopic organization of the visual cortex before and after decompression of the optic chiasm in a patient with pituitary macroadenoma. *Journal of Neurosurgery*, *117*, 218-224.
- Buckingham, G., Ranger, N.S., & **Goodale, M.A.** (2012). Handedness, laterality and the size-weight illusion. *Cortex*, *59*, 2941-2951.
- Milner, A.D., Ganel, T., & **Goodale, M.A.** Does grasping in patient D.F. depend on vision? *Trends in Cognitive Sciences*, *16*, 256-257.
- Sperandio, I., Chouinard, P.A., & **Goodale, M.A.** (2012). Retinotopic activity in V1 reflects the perceived not the retinal size of an after-image. *Nature Neuroscience*, *15*, 540-542.

Papers in Refereed Journals: (cont'd)

- Chouinard, P.A. & Goodale, M.A. (2012). FMRI-adaptation to highly-rendered color photographs of animals and manipulable artifacts during a classification task. *Neuroimage*, *59*, 2941-2951.
- Sperandio, I., Lak, A., & **Goodale, M.A.** (2012). Afterimage size is modulated by size-contrast illusions. *Journal of Vision*, *12*(2).
- Thaler, L. & **Goodale, M.A.** (2011). Neural substrates of visual spatial coding and visual feedback control for hand movements in allocentric and target-directed tasks. *Frontiers in Human Neuroscience*, *5*, 92. doi: 10.3389/fnhum.2011.00092
- Westwood, D.A., & **Goodale, M.A.** (2011). Converging evidence for diverging pathways: Neuropsychology and psychophysics tell the same story. *Vision Research*, *51*, 804-811.
- Goodale, M.A.** (2011). Transforming vision into action. *Vision Research*, *51*, 1567-1587.
- Snow, J.C., Pettypiece, C.E., McAdam, T.D., McLean, A.D., Stroman, P.W., **Goodale, M.A.**, & Culham, J.C. (2011). Bringing the real world into the fMRI scanner: Repetition effects for pictures versus real objects. *Science Reports*, *1*, 130.
- Wood, D.K., Gallivan, J.P., Chapman, C.S., Milne, J.L., Culham, J.C., & **Goodale M.A.** (2011). Visual salience dominates early visuomotor competition in reaching behavior. *Journal of Vision*, *22*, 11(10).
- Rositi, S., Fraser, J.A., Teasell, R., Malhotra, P.A., & **Goodale, M.A.** (2011). Impaired delayed but preserved immediate grasping in a neglect patient with parieto-occipital lesions. *Neuropsychologia*, *49*, 2498-2504.
- Thaler, L. & **Goodale, M.A.** (2011). Reaction times for allocentric movements are 35 ms slower than reaction times for target-directed movements. *Experimental Brain Research*, *211*, 313-328.
- Striener, C.L., Chouinard, P.A., & **Goodale, M.A.** (2011). Programs for action in superior parietal cortex: A triple-pulse TMS investigation. *Neuropsychologia*, *49*, 2391-2399.
- Thaler, L., Arnott, S.R., & **Goodale, M.A.** (2011). Neural correlates of natural human echolocation in early and late blind echolocation experts. *PLoS One*, *6*(5):e20162.
- Chapman, C.S., Gallivan, J.P., Culham, J.C., & **Goodale, M.A.** (2011). Mental blocks: fMRI reveals top-down modulation of early visual cortex when obstacles interfere with grasp planning. *Neuropsychologia*, *49*, 1703-1717.
- Cant, J.S. & **Goodale, M.A.** (2011). Scratching beneath the surface: new insights into the functional properties of the lateral occipital area and parahippocampal place area. *Journal of Neuroscience*, *31*, 8248-8258.
- Strother, L., Mathuranath, P.S., Aldcroft, A., Lavell, C, **Goodale, M.A.**, Vilis. T. (2011). Face inversion reduces the persistence of global form and its neural correlates. *PLoS One*, *6*(4):e18705.
- Gallivan, J.P., Chapman, C.S., Wood, D.K., Milne, J.L., Ansari, D., Culham, J.C., & **Goodale, M.A.** (2011). One to four, and nothing more: nonconscious parallel individuation of objects during action planning. *Psychological Science*, *22*, 803-811.
- Whitwell, R.L., Striener, C.L., Nicolle, D.A., & **Goodale, M.A.** (2011). Grasping the non-conscious: Preserved grip scaling to unseen objects for immediate but not delayed grasping following a unilateral lesion to primary visual cortex. *Vision Research*, *51*, 908-924.
- Wood, D.K., & **Goodale, M.A.** (2011). Selection of wrist posture in conditions of motor ambiguity. *Experimental Brain Research*, *208*, 607-620.

Papers in Refereed Journals: (cont'd)

- Thaler, L., & **Goodale, M.A.** (2011). The role of online visual feedback for the control of target-directed and allocentric hand movements. *Journal of Neurophysiology*, *105*, 846-859.
- Sedda, A., Monaco, S., Bottini, G., & **Goodale, M.A.** (2011). Integration of visual and auditory information for hand actions: preliminary evidence for the contribution of natural sounds to grasping. *Experimental Brain Research*, *209*, 365-374.
- Cate, A.D., **Goodale, M.A.**, & Köhler, S. (2011). The role of apparent size in building- and object-specific regions of ventral visual cortex. *Brain Research*, *1388*, 109-122.
- Buckingham, G., Ranger, N.S., & **Goodale, M.A.** (2011). The role of vision in detecting and correcting fingertip force errors during object lifting. *Journal of Vision*, *11*, 4, 1-13.
- Buckingham, G., Ranger, N.S., & **Goodale, M.A.** (2011). The material-weight illusion induced by expectations alone. *Attention, Perception, and Psychophysics*, *73*, 36-41.
- Chapman, C.S. & **Goodale, M.A.** (2010). Obstacle avoidance during online corrections. *Journal of Vision*, *10*, 17.
- Buckingham, G. & **Goodale, M.A.** (2010). Lifting without seeing: the role of vision in perceiving and acting upon the size weight illusion. *PLoS One.*, *5*, e9709.
- Cavina-Pratesi, C., Monaco, S., Fattori, P., Galletti, C., McAdam, T.D., Quinlan, D.J., **Goodale, M.A.**, & Culham, J.C. (2010). Functional magnetic resonance imaging reveals the neural substrates of arm transport and grip formation in reach-to-grasp actions in humans. *Journal of Neuroscience*, *30*, 10306-10323.
- Chapman, C.S., Gallivan, J.P., Wood, D.K., Milne, J.L., Culham, J.C., & **Goodale, M.A.** (2010). Short-term motor plasticity revealed in a visuomotor decision-making task. *Behavioral Brain Research*, *214*, 130-134.
- Chapman, C.S., Gallivan, J.P., Wood, D.K., Milne, J.L., Culham, J.C., & **Goodale, M.A.** (2010). Reaching for the unknown: multiple target encoding and real-time decision-making in a rapid reach task. *Cognition*, *116*, 168-176.
- Buckingham, G. & **Goodale, M.A.** (2010). The influence of competing perceptual and motor priors in the context of the size-weight illusion. *Experimental Brain Research*, *205*, 283-288.
- Thaler, L. & **Goodale, M.A.** (2010). Beyond distance and direction: the brain represents target locations non-metrically. *Journal of Vision*, *10*, 3.1-27.
- Chapman, C.S. & **Goodale, M.A.** (2010). Seeing all the obstacles in your way: the effect of visual feedback and visual feedback schedule on obstacle avoidance while reaching. *Experimental Brain Research*, *202*, 363-375.
- Striemer, C.L., Yukovsky, J., & Goodale, M.A. (2010). Can intention override the "automatic pilot"? *Experimental Brain Research*, *202*, 623-632.
- Monaco, S., Króliczak, G., Quinlan, D.J., Fattori, P., Galletti, C., **Goodale, M.A.**, & Culham, J.C. (2010). Contribution of visual and proprioceptive information to the precision of reaching movements. *Experimental Brain Research*, *202*, 15-32.
- Pettypiece, C.E., **Goodale, M.A.**, & Culham, J.C. (2010). Integration of haptic and visual size cues in perception and action revealed through cross-modal conflict. *Experimental Brain Research*, *201*, 863-873.
- Chouinard, P.A. & **Goodale, M.A.** (2010). Category-specific neural processing for naming pictures of animals and naming pictures of tools: An ALE meta-analysis. *Neuropsychologia*, *48*, 409-418.

Papers in Refereed Journals: (cont'd)

- Mullin, C.R., Démonet, J.F., Kentridge, R.W., Heywood, C.A., **Goodale, M.A.**, & Steeves, J.K. (2009). Preserved striate cortex is not sufficient to support the McCollough effect: Evidence from two patients with cerebral achromatopsia. *Perception*, *38*, 1741-1748.
- Buckingham, G., Cant, J.S., & **Goodale, M.A.** (2009). Living in a material world: how visual cues to material properties affect the way that we lift objects and perceive their weight. *Journal of Neurophysiology*, *102*, 3111-3118.
- Gonzalez, C.L. & **Goodale, M.A.** (2009). Hand preference for precision grasping predicts language lateralization. *Neuropsychologia*, *47*, 3182-3189.
- Steeves, J., Dricot, L., Goltz, H.C., Sorger, B., Peters, J., Milner, A.D., **Goodale, M.A.**, Goebel, R., & Ression, B. (2009). Abnormal face identity coding in the middle fusiform gyrus of two brain-damaged prosopagnosic patients. *Neuropsychologia*, *47*, 2584-2592.
- Arnott, S.R., Singhal, A., & **Goodale, M.A.** (2009). An investigation of auditory contagious yawning. *Cognitive, Affective, and Behavioral Neuroscience*, *9*, 335-342.
- Chouinard, P.A., Whitwell, R.L., & **Goodale, M.A.** (2009). The lateral-occipital and the inferior-frontal cortex play different roles during the naming of visually-presented objects. *Human Brain Mapping*, *30*, 3851-3864.
- Striemer, C., Chapman, C.S., & **Goodale, M.A.** (2009). ‘Real-time’ obstacle avoidance in the absence of primary visual cortex. *Proceedings of the National Academy of Sciences*, *106*, 15996–16001.
- Chouinard, P.A. & **Goodale, M.A.** (2009). fMRI adaptation during performance of learned arbitrary visuomotor conditional associations. *NeuroImage*, *48*, 696-706.
- Eagleman, D.E. & **Goodale, M.A.** (2009). Why color synesthesia involves more than color. *Trends in Cognitive Sciences*, *13*, 288-292.
- Cant, J.S. & **Goodale, M.A.** (2009). Asymmetric interference between the perception of outline shape and the perception of surface properties. *Journal of Vision*, *9*, 13: 1-20.
- Pettypiece, C.E., Culham, J.C., & **Goodale, M.A.** (2009). Differential effects of delay upon visually and haptically guided grasping and perceptual judgments. *Experimental Brain Research*, *195*, 473-479.
- Kao, K.L. & **Goodale, M.A.** (2009). Enhanced detection of visual targets on the hand and familiar tools. *Neuropsychologia*, *47*, 2454-2463.
- Whitwell, R.L. & **Goodale, M.A.** (2009). Updating the programming of a precision grip is a function of recent history of available feedback. *Experimental Brain Research*, *194*, 619-629.
- Brown, L.E., Morrissey, B.F., & **Goodale, M.A.** (2009). Vision in the palm of your hand. *Neuropsychologia*, *47*, 1621-1626.
- Chouinard, P.A., Large, M.E., Chang, E.C., & **Goodale, M.A.** (2009). Dissociable neural mechanisms for determining the perceived heaviness of objects and the predicted weight of objects during lifting: an fMRI investigation of the size-weight illusion. *NeuroImage*, *44*, 200-212.
- Cant, J.S., Arnott, S.R., & **Goodale, M.A.** (2009). fMR-adaptation reveals separate processing regions for the perception of form and texture in the human ventral stream. *Experimental Brain Research*, *192*, 391-405.
- Brown, L.E., & **Goodale, M.A.** (2008). Koniocellular projections and hand-assisted blindsight. *Neuropsychologia*, *46*, 3241-3242.

Papers in Refereed Journals: (cont'd)

- Arnott, S.R., Heywood, C.A., Kentridge, R.W., & **Goodale, M.A.** (2008). Voice recognition and the posterior cingulate: an fMRI study of prosopagnosia. *Journal of Neuropsychology*, 2, 269-286.
- Goodale, M.A.** (2008). Action without perception in human vision. *Cognitive Neuropsychology*, 25, 891-919.
- Danckert, J., Ferber, S., & **Goodale, M.A.** (2008). Direct effects of prismatic lenses on visuomotor control: an event-related functional MRI study. *European Journal of Neuroscience*, 28, 1696-1704.
- Arnott, S.R., Cant, J.S., Dutton, G. N. & **Goodale, M.A.** (2008). Crinkling and crumpling: an auditory fMRI study of material properties. *NeuroImage*, 43, 368-378.
- Whitwell, R.L., Lambert, L.M., & **Goodale, M.A.** (2008). Grasping future events: explicit knowledge of the availability of visual feedback fails to reliably influence prehension. *Experimental Brain Research*, 188, 603-611.
- Chapman, C.S. & **Goodale, M.A.** (2008). Missing in action: The effect of obstacle position and size on avoidance while reaching. *Experimental Brain Research*, 191, 83-97.
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- Striemer, C.L., **Goodale, M.A.**, & de Ribaupierre, S. (2012). Overlapping neural circuits for visuospatial attention and eye movements in human cerebellum. *Journal of Vision*, *12*, 375.
- Milne, J.L., **Goodale, M.A.**, Arnott, S.R., Kish, D., & Thaler, L. (2012). Parahippocampal cortex is involved in material processing through echolocation in blind echolocation experts. *Journal of Vision*, *12*, 581.
- Sperandio, I., Whitwell, R., Chouinard, P.A., & **Goodale, M.A.** (2012). Preservation of size constancy for action, but not perception, in a patient with bilateral occipital lesions. *Journal of Vision*, *12*, 837.
- Thaler, L., & **Goodale, M.A.** (2011). The Allocentric Brain in Action. *Journal of Vision*, *11*, 939.
- Buckingham, G., Wong, J.D., Tang, M., Gribble, P.L., & **Goodale, M.A.** (2011). Observing object lifting errors. *Society for Neuroscience Abstracts*, 222.02.
- Thaler, L., Paciocco, J., Daley, M., Purcell, D.W., Lesniak, G.D., **Goodale, M.A.**, & Culham, J.C. (2011). A selective impairment of auditory perception of motion direction in peripheral space: A case study. *Society for Neuroscience Abstracts*, 478.18.
- Sperandio, I., Chouinard, P.A., & **Goodale, M.A.** (2011). Size-distance scaling in human primary visual cortex: Evidence from neuroimaging. *Society for Neuroscience Abstracts*, 536.02.
- Arcaro, M.J., McLean, D.A., Quinlan, D.J., Dutton, G.N., **Goodale, M.A.**, Kastner, S., & Culham, J.C. (2011). Cortical and subcortical response properties in a patient with visual cortex lesions. *Society for Neuroscience Abstracts*, 695.12.

Published Abstracts: (cont'd)

- Wood, D.K., Buckingham, G., Anwar, A., & **Goodale, M.A.** (2011). Foreknowledge of sequence optimizes fingertip force prediction in the absence of distinguishing visual cues. *Society for Neuroscience Abstracts*, 814.07.
- Striener, C.L., Whitwell, R., & **Goodale, M.A.** (2011). The functional correlates of action blindsight: Evidence for a functioning fronto-parietal network in the absence of phenomenological vision. *Society for Neuroscience Abstracts*, 924.09.
- Thaler, L., Arnott, S.R., & **Goodale, M.A.** (2010). Human Echolocation I. *Journal of Vision*, 10, 1050.
- Arnott, S.R., Thaler, L., & **Goodale, M.A.** (2010). Human Echolocation II. *Journal of Vision*, 10, 1055.
- Whitwell, R.L., Chouinard, P.A., & **Goodale, M.A.** (2010). Visual feedback modulates BOLD activity in the posterior parietal cortex more so for visually-guided grasping than for visually-guided reaching. *Journal of Vision*, 10, 1085.
- Striener, C.L., Chouinard, P.A., & Goodale, M.A. (2010). Plans for action in posterior parietal cortex: an rTMS investigation. *Journal of Vision*, 10, 1096.
- Chapman, C. S., Doobay, R., & **Goodale, M. A.** (2009). Looking forward to a correction: Obstacle avoidance during online correction. *Journal of Vision*, 9, 1166.
- Striener, C., Chapman, C. S., & **Goodale, M. A.** (2009). Implicit processing of obstacles for immediate but not delayed reaching in a case of hemianopic blindsight . *Journal of Vision*, 9, 1163.
- Gallivan, J. P., Chapman, C. S., Wood, D. K., Milne, J., Culham, J. C., & **Goodale, M. A.** (2009). Stuck in the middle: Kinematic evidence for optimal reaching in the presence of multiple potential reach targets. *Journal of Vision*, 9, 1153.
- Thaler, L., **Goodale, M. A.**, & Todd, J. T. (2009). Visual feedback is used to guide the hand towards endpoints not along trajectories. *Journal of Vision*, 9, 1152.
- Buckingham, G., Cant, J. S., Kao, K.-L., & **Goodale, M. A.** (2009). A dissociation between perception and action in the Material-Weight illusion . *Journal of Vision*, 9, 1131.
- Sedda, A., Monaco, S., Bottini, G., & Goodale, M. A. (2009). The role of audition in the scaling of grasping. *Journal of Vision*, 9, 1098.
- Wood, D. K., & Goodale, M. A. (2009). The effects of stimulus ambiguity and trial order on the selection of goal-directed actions . *Journal of Vision*, 9, 1094.
- Culham, J.C., Roebroek, A., Pullens, W.L.P.M., Jones, C.K., Khan, S. , Dutton, G.N., **Goodale, M.A.** & Goebel, R. (2009). Anatomical and functional connectivity in a patient with preserved motion awareness and visuomotor functions despite large bilateral occipitotemporal lesions. *Society for Neuroscience Abstracts*, 453.3.
- Chapman, C.S., Gallivan, J.P., Culham, J.C., & **Goodale, M.A.** (2009). Mental blocks: Using fMRI to reveal the encoding of obstacles during reach-to-grasp movements. *Society for Neuroscience Abstracts*, 307.11.
- Wood, D.K., Monaco, S., McAdam, T., Dutton, G.N., Culham, J.C., & **Goodale, M.A.** (2009). Impaired selection of wrist posture in a patient with a parieto-occipital lesion. *Society for Neuroscience Abstracts*, 307.5.

Invited addresses and colloquia (last six years):

- European Workshop on Cognitive Neuropsychology, Bressanone, Italy, January, 2016.
- Jeeves Lecture, School of Psychology and Neuroscience, University of St. Andrews, Scotland, United Kingdom, November, 2015.
- Department of Psychology, University of Waterloo, ON, November, 2015.E
- Keynote Address, SCAPPS, Edmonton, AB, October, 2015.
- Keynote Address, Italian Society for Neuroscience, Cagliari, Sardinia, Italy, October, 2015.
- Pisa Vision Laboratory, CNR Institute of Neuroscience, Pisa, Italy, October, 2015.
- Presidential Lecture, Canadian Association for Neuroscience, Vancouver, BC, May, 2015.
- Research Day, School of Optometry, University of Montreal, Montreal, March, 2015.
- 25th Annual Conference, Rotman Research Institute, Toronto, March, 2015.
- Centre for Theoretical Neuroscience, University of Waterloo, Waterloo, February, 2015.
- School of Psychology, La Trobe University, Melbourne, Australia, February, 2015.
- Prism 4 Conference on Material Properties, Ankara, Turkey, October, 2014.
- University of Melbourne, Melbourne, Australia, August, 2014.
- La Trobe University, Melbourne, Australia, August, 2014.
- University of East Anglia, Workshop on Perception and Action, Norwich, United Kingdom, June, 2014.
- University of Verona, Italy, May, 2014.
- Department of Psychology, University of Leipzig, April, 2014.
- Tagung experimentell arbeitender Psychologen, Giessen, Germany, April, 2014.
- Department of Psychology, University of Nevada (Reno), March, 2014.
- Institute for Cognitive Neuroscience, University of Geneva, Geneva, Switzerland, December, 2013.
- Department of Psychology, Durham University, Durham, United Kingdom, November, 2013.
- China Astronaut Centre of China, Space City, Beijing, China, September, 2013.
- Department of Psychology, Peking University, Beijing, China, September, 2013.
- School of Psychology, Beijing Normal University, Beijing, China, September, 2013.
- 64th International Astronautical Congress, Beijing, China, September, 2013.
- Conference on Brain Development and Learning, Vancouver, British Columbia, July, 2013
- Asia Pacific Conference on Vision, Suzhou, China, July, 2013.
- Active Vision Workshop, Sant'Elia a Pianisi, Italy, June, 2013.
- Neuroscience Program, University of British Columbia, Vancouver, British Columbia, April, 2013.
- School of Health and Exercise Sciences, University of British Columbia at Okanagan, Okanagan, British Columbia, April, 2013.
- Action Club, Penn State, University Park, Pennsylvania, March, 2013.
- Donald O. Hebb Lecture, Department of Psychology, Dalhousie University, Halifax, Nova Scotia, March, 2013.
- RIKEN, Brain Science Institute, Tokyo, Japan, December, 2012.
- 11th annual meeting of the Japanese Society of Behavioral Development in Infancy, Kyoto, Japan, December, 2012.
- Symposium in honour of Marc Jeannerod, Lyon, France, October, 2012.
- Bryan Kolb Lecture, Hotchkiss Brain Institute, University of Calgary, September, 2012.
- Brain and Cognitive Sciences, University of Rochester, Rochester, NY, September, 2012.

Invited addresses and colloquia: (cont'd)

- International Neuropsychological Symposium, Bonafacio, Corsica, France, June, 2012.
- Concepts, Actions, and Objects Symposium, University of Trento, Rovereto, Italy, May, 2012.
- Mastery of Manual Skills: Recent Insights into Typical and Atypical Development of Manual Ability, University of Groningen, Groningen, The Netherlands, April, 2012.
- China Astronaut Research and Training Center, Space City, Beijing, China, April, 2012.
- State Key Laboratory of Cognitive Neuroscience and Learning, Beijing Normal University, Beijing, China, April, 2012.
- Institute of Neuroscience, Chinese Academy of Sciences, Shanghai, April, 2012.
- Department of Psychology, Michigan State University, East Lansing, Michigan, February, 2012.
- Department of Psychology, Grant McEwan University, Edmonton, Alberta, December, 2011
- Field Lecture, Goldsmiths College, University of London, London (UK), October, 2011.
- MacKeith Press Basic Science Lecture, American Association for Cerebral Palsy and Developmental Medicine, Las Vegas, Nevada, October, 2011
- More or Less: Varieties of Human Cortical Colour Vision. A Conference and Workshop, Vancouver, BC, August, 2011.
- IBRO World Congress of Neuroscience, Florence, Italy, July, 2011.
- University of Giessen, Germany, May, 2011.
- University of Verona, Italy, May, 2011.
- L.O.V.E. Meeting, Niagara Falls, ON, February, 2011.
- Department of Psychology, University of Auckland, Auckland, NZ, January, 2011.
- Australian Neurosciences Society, Auckland, NZ, January, 2011.
- Department of Psychology, University of Montreal, December, 2010.
- European Conference on Visual Perception, Lausanne, Switzerland, August, 2011.
- National Yan-Ming University, Taiwan, July, 2010.
- National Central University, Taiwan, July, 2010.
- Institute of Neuroscience, Newcastle University, Newcastle, UK, June, 2010.
- World Ophthalmology Congress, Berlin, Germany, May, 2010.
- Workshop on Perception and Action, Giessen University, Giessen, Germany, May, 2010.
- Workshop on 'Selection and Control Mechanisms in Perception and Action', Hebrew University, Jerusalem, Israel, April, 2010.
- Waterloo Brain Day, University of Waterloo, Waterloo, Ontario, April, 2010.
- Festschrift for Bryan Kolb, Canadian Centre for Behavioural Neuroscience, University of Lethbridge, Lethbridge, Alberta, February, 2010.
- School of Mind and Brain, Berlin, Germany, November, 2009.
- Workshop on Perception, Action, and Self, New York University, New York, NY, October, 2009.
- John Zubek Memorial Lecture, Department of Psychology, University of Manitoba, Winnipeg, MB, September, 2009.
- Department of Linguistics and Cognitive Science, Brown University, Providence, RI, April, 2009.
- Department of Psychology, Indiana University, Bloomington, IN, March, 2009.

Invited addresses and colloquia: (cont'd)

- Department of Psychology, Duke University, Durham, NC, March, 2009.
- Smith-Kettlewell Eye Research Institute, San Francisco, CA, January, 2009.
- Neuroscience Department, UCLA, Los Angeles, CA, January, 2009.

POSTDOCTORAL FELLOWS

Dr. Robert Foley	2016-present
Dr. Kaitlin Laidlaw	2016-present
Dr. Yoshiko Yabe	2013-present
Dr. Juan Chen	2012- present
Dr. Fraser Smith	2010-2012
Dr. Irene Sperandio	2009-2012
Dr. Gavin Buckingham	2008-2012
Dr. Stephanie Rossit	2009-2010
Dr. P. S. Mathuranath	2009-2010
Dr. Lore Thaler	2008-2011
Dr. Jacqueline Snow	2008-2010
Dr. Chris Striemer	2007-2011
Dr. Jessica Witt	2006-2007
Dr. Marla Wolf	2005-2008
Dr. Philippe Chouinard	2005-2014
Dr. Erik Chang	2004-2006
Dr. Stephen Arnott	2004-2007
Dr. Claudia Gonzalez	2004-2007
Dr. Sukhvinder Obhi	2003-2005
Dr. Liana Brown	2002-2006
Dr. Tzvi Ganel	2002-2005
Dr. Jennifer Steeves	2002-2003
Dr. David Whitney	2001-2004
Dr. David Westwood	2001-2002
Dr. Susanne Ferber	2000-2002
Dr. Sarah Creem	2000
Dr. James Danckert	1999-2002
Dr. Reiko Osu	1999-2000
Dr. Jody Culham	1998-2001
Dr. Heather Carnahan	1991-1992

GRADUATE STUDENTS

Kate Merritt	M.Sc. (Neuroscience)	expected
Robert Whitwell	Ph.D. (Neuroscience)	2015
Jennifer Milne	Ph.D. (Neuroscience)	2014
Daniel Wood	Ph.D. (Neuroscience)	2013
Samantha Podrebarac	M.Sc. (Neuroscience)	2013
Charlie Pettypiece	M.Sc. (Neuroscience)	2011

GRADUATE STUDENTS (cont'd)

Craig Chapman	Ph.D. (Psychology)	2011
Cathy Kao	MSc. (Psychology)	2009
Jonathan Cant	Ph.D. (Neuroscience)	2009
Grzegorz Króliczak	Ph.D. (Neuroscience)	2005
Jason Connolly	Ph.D. (Neuroscience)	2003
Derek Quinlan	M.Sc. (Neuroscience)	2003
Matthew Brown	M.Sc. (Neuroscience)	2003
Angela M. Haffenden	Ph.D. (Psychology)	2002
Karin Harman James	Ph.D. (Psychology)	2002
Thomas W. James	Ph.D. (Neuroscience)	2001
Nicole Mendarozqueta	M.A. (Psychology)	2000
Yaoping Hu	Ph.D. (Engineering)	1999
Jonathan J. Marotta	Ph.D. (Neuroscience)	1998
Kelly J. Murphy	Ph.D. (Psychology)	1996
AnnaLee Kruyer	M.A. (Psychology)	1996
David P. Carey	Ph.D. (Psychology)	1994
John Paul Meenan	M.Sc. (Neuroscience)	1994
Philip Servos	Ph.D. (Psychology)	1993
Lorna S. Jakobson	Ph.D. (Psychology)	1993
Hongjin Sun	M.A. (Psychology)	1991
Margaret Waurick	M.A. (Psychology)	1987
Runa E. Steenhuis	Ph.D. (Psychology)	1987
Colin G. Ellard	Ph.D. (Psychology)	1986
Marla E. Cohen	M.A. (Psychology)	1985
John D. Fisk	Ph.D. (Psychology)	1983
Edward Mlinar	M.A. (Psychology)	1982
Jefferson A. Graves	Ph.D. (Psychology)	1978

Signature:

Date: 11 April, 2016