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	Imaging	Robarts Research Institute
2001-2022	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):

Action Editor:	Experimental Brain Research
Associate Editor:	Neuropsychologia, Proceedings of the Royal Society B
Chair:	Advisory Committee, Brain, Mind, and Consciousness, CIFAR
	Scientific Committee, ASSC
Founding Director:	The Brain and Mind Institute, University of Western Ontario
Interim Director:	Western Institute for Neuroscience, University of Western Ontario
Member:	Organizing Committee, CAOS Workshops (Rovereto, Italy)
	Organizing Committee, SAW (Coimbra, Portugal)
	Newton Fellowships, Royal Society (UK)
	Sectional Committee 8, Royal Society (UK)

LEARNED SOCIETIES:

Fellow, Association for Psychological Science
Founding Member of Neurosciences Association
Founding Member of Canadian Society for Brain, Behaviour, and Cognitive Science
Inaugural 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
President of the Association for the Scientific Study of Consciousness (1999)

HONOURS, AWARDS, AND NAMED LECTURES:

Sir Frederic Bartlett Lecture Prize, Experimental Psychology Society, UK (2022)
Member, Society of Experimental Psychologists (elected 2018)
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, Association for Psychological Science, 2010
Richard C. Tees Award for Distinguished Leadership (CSBBCS), 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, 2001-2022
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 (CSBBCS) 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 from MRC/CIHR (1980-2016) and NSERC (1979-present)

2017-2024	NSERC	Discovery grant	$750,000.
2014-2026	CIFAR	Research grant	$550,000.
2016-2023	CFREF	BrainsCAN (1 of 10 PIs)	$66,000,000.

PUBLICATIONS

Papers in Refereed Journals:

Goodale, M.A. & Milner, A.D. (2023). Patients with dorsal-stream lesions can perceive global shape. *Trends in Cognitive Sciences*, *27*(6), 509.

Arnold, D.H., Saurels, B.W., Moses, E., Hohaia, W., & **Goodale, M.A.** (2023). Neural correlates of visual acuity for fine text. *Vision Research*, *207*, 108219.

Goodale, M.A. & Milner, A.D. (2023). Shape perception does not require dorsal stream processing. *Trends in Cognitive Sciences*, *27*(4):333-334.

Whitwell, R.L., Gerach, M.A., **Goodale, M.A.**, & Sperandio, I. (2023). Looking at the Ebbinghaus illusion: differences in neurocomputational requirements, not gaze-mediated attention, explain a classic perception-action dissociation. *Philosophical Transactions of the Royal Society B*, *378*(1869), 20210459

Goold, S., Murphy, M.J., **Goodale, M.A.**, Crewther, S.G., & Laycock, R. (2022). Faster social attention disengagement in individuals with higher autism traits. *Journal of Clinical and Experimental Neuropsychology*, *44*(10), 755-767.

Ganel, T., Sofer, C., & **Goodale, M.A.** (2022). Biases in human perception of facial age are present and more exaggerated in current AI technology. *Scientific Reports*, *12*(1), 22519.

Ganel, T., & **Goodale, M. A.** (2022). Smiling makes you look older, even when you wear a mask: the effect of face masks on age perception. *Cognitive Research: Principles and Implications*, *7*(1), 1-11.

Proklova, D., & **Goodale, M.A.** (2022). The role of animal faces in the animate-inanimate distinction in the ventral temporal cortex. *Neuropsychologia*, 108192.

Whitwell, R. L., & **Goodale, M.A.** (2022). Coming to grips with a fundamental deficit in visual perception. *Cognitive Neuropsychology*, 1-4. [online]

Ganel, T., & **Goodale, M.A.** (2021). The effect of smiling on the perceived age of male and female faces across the lifespan. *Scientific reports*, *11*(1), 1-10.

Kithu, M.C., Saccone, E.J., Crewther, S.G., **Goodale, M.A.,** & Chouinard, P.A. (2021). A priming study on naming real versus pictures of tools. *Experimental Brain Research*, *239*, 821-834.

Goodale, M.A. (2021). Lessons from human vision for robotic design. *Autonomous Intelligent Systems, 1*, 1-10.

Whitwell, R.L., Katz, N.J., **Goodale, M.A.**, & Enns, J.T. (2020). The role of haptic expectations in reaching to grasp: From pantomime to natural grasps and back again. *Frontiers in Psychology*, *11*, 3492.

Goodale, M.A. (2020). Transforming abstract plans into concrete actions. *Proceedings of the National Academy of Sciences*, *117*(47), 29265-29267.

Gao, J., Ko, A, Yabe, Y., **Goodale, M.A.**, & Chen, J.P (2020). Pupil size is modulated by the size of equal-luminance gratings. *Journal of Vision, 20:4*, 1-9.

Whitwell, R.L., Sperandio, I., Buckingham, G., Chouinard, P.A., & **Goodale, M.A.** (2020). Grip constancy but not perceptual size constancy survives lesions of early visual cortex. *Current Biology*, *30*, 3680–3686.

Fox, D.M., **Goodale, M.A.**, & Bourne, J.A. (2020). The age-dependent neural substrates of blindsight. *Trends in Neurosciences*, *43*, 242-252.

Papers in Refereed Journals: (cont'd)

Laycock, R., Wood, K., Wright, A., Crewther, S.G., & **Goodale, M.A.** (2020). Saccade latency provides evidence for reduced face inversion effects with higher autism traits. *Frontiers in Human Neuroscience*, 13:470.

Ganel, T., Ozana, A., & **Goodale, M.A.** (2019). When perception intrudes on 2D grasping: evidence from Garner interference. *Psychological research*, *84*, 2138-2143.

Chen, J., Sperandio, I., Henry, M.J., & **Goodale, M.A**. (2019). Changing the real viewing distance reveals the temporal evolution of size constancy in visual cortex. *Current Biology*, *29*, 2237-2243.

Michel, M et al. [one of 58 authors]. (2019). Opportunities and challenges for a maturing science of consciousness. *Nature Human Behaviour*, *3*, 104–107.

Mundinano, I.C., Chen, J., de Souza, M., Sarossy, M.G., Joanisse, M.F., **Goodale, M.A.**, & Bourne, J.A. (2019). More than blindsight: Case report of a child with extraordinary visual capacity following perinatal bilateral occipital lobe injury. *Neuropsychologia, 128,* 178-186.

Kithu, M.C., Saccone, E.J., Crewther, S.G., **Goodale, M.A**., & Chouinard, P.A. (2019). A pantomiming priming study on the grasp and functional use actions of tools. *Experimental Brain Research*, 237, 2155-2165.

Paulun, V.C. Buckingham, G., **Goodale, M.A.**, Fleming, R. W. (2019). The Material-Weight Illusion disappears or inverts in objects made of two materials. *Journal of Neurophysiology*, *121*, 996-1010.

Ganel, T., & **Goodale, M.A.** (2019). Still holding after all these years: An action-perception dissociation in patient DF. *Neuropsychologia, 128,* 249-254.

Striemer, C.L., Whitwell, R.L., & **Goodale, M.A.** (2019). Affective blindsight in the absence of input from face processing regions in occipital-temporal cortex. *Neuropsychologia, 128*, 50-57.

Goodale, M.A., & Milner, A.D. (2018). Two Visual Pathways–where have they taken us and where will they lead in future? *Cortex*, *98*, 283-292.

Chen, J., Sperandio I., & **Goodale, M.A.** (2018). Proprioceptive distance cues restore perfect size constancy in grasping, but not perception, when vision is limited. *Current Biology, 28*, 927-932.

Arcaro, M. J., Thaler, L., Quinlan, D. J., Monaco, S., Khan, S., Valyear, K. F., Goebel, R., Dutton, G.N., **Goodale M.A.**, Kastner S. & Culham, J. C. (2018). Psychophysical and neuroimaging responses to moving stimuli in a patient with the Riddoch phenomenon due to bilateral visual cortex lesions. *Neuropsychologia*, *128*,150-165.

Chen, J., Snow, J.C., Culham, J.C., & **Goodale, M.A.** (2018). What role does "elongation" play in "tool-specific" activation and connectivity in the dorsal and ventral visual streams? *Cerebral Cortex, 28*, 1117-1131.

Mundinano, I.C., Fox, D.M., Kwan, W.C., Vidaurre, D., Teo, L., Homman-Ludiye, J., **Goodale, M.A.**, Leopold, D.A. & Bourne, J.A. (2018). Transient visual pathway critical for normal development of primate grasping behavior. *Proceedings of the National Academy of Sciences (USA), 115,* 1364-1369.

Freud, E., Macdonald, S.N., Chen, J., Quinlan, D.J., **Goodale, M.A.**, & Culham, J.C. (2018). Getting a grip on reality: Grasping movements directed to real objects and images rely on dissociable neural representations. *Cortex, 98*, 34-48.

Ganel, T., & **Goodale M.A.** (2018). The effects of smiling on perceived age defy belief. *Psychonomic Bulletin and Review.* 25(2):612-616.

Papers in Refereed Journals: (cont'd)

Whitwell, R.L., **Goodale, M.A.**, Merritt, K. E., & Enns, J. T. (2018). The Sander parallelogram illusion dissociates action and perception despite control for the litany of past confounds. *Cortex, 98*, 163-176.

Striemer, C.L., Chapman, C.S., & **Goodale, M.A.** (2018). The role of non-conscious visual processing in obstacle avoidance: A commentary on Ross et al. (2016). *Cortex, 98*, 269-275.

Tang, R., Shen, B., Sang, Z., Song, A., & **Goodale M.A.** (2018). Fitts' Law is modulated by movement history. *Psychonomic Bulletin and Review, 25*, 1833-1839.

Wood, D.K., Chouinard, P.A., Major, A.J., & **Goodale, M.A.** (2017). Sensitivity to biomechanical limitations during postural decision-making depends on the integrity of posterior superior parietal cortex. *Cortex, 97*, 202-220.

Whitwell, R.L. & **Goodale, M.A.** (2017). Real and illusory issues in the illusion debate (Why two things are sometimes better than one): Commentary on Kopiske et al. (2016). *Cortex, 88*, 205-209.

Chouinard, P.A., Meena, D.K., Whitwell, R.L., Hilchey, M.D., & **Goodale, M.A.** (2017). A TMS investigation on the role of lateral occipital complex and caudal intraparietal sulcus in the perception of object form and orientation. *Journal of Cognitive Neuroscience, 29,* 881-895.

Merritt, K.E., Seergobin, K.N., Mendonça, D.A., Jenkins, M.E., **Goodale, M.A.**, & MacDonald, P.A. (2017). Automatic online motor control is intact in Parkinson's disease with and without perceptual awareness. eNeuro. 4(5). pii: ENEURO.0215-17.2017.

Arnold, D.H., Williams, J.D., Phipps, N.E., & **Goodale, M.A.** (2016). Sharpening vision by adapting to flicker. *Proceedings of the National Academy of Sciences (USA), 113*, 12556-12561.

Thaler, L. & **Goodale, MA.** (2016). Echolocation in humans: an overview. *Wiley Interdisciplinary Reviews. Cognitive Science 7,* 382-393.

Yabe, Y., Dave, H., & **Goodale M.A.** (2016). Temporal distortion in the perception of actions and events. *Cognition, 158,* 1-9.

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.

Whitwell, R.L., Buckingham, G., Enns, J.T., Chouinard, P.A., & **Goodale M.A.** (2016). Rapid decrement in the effects of the Ponzo display dissociates action and perception. *Psychonomic Bulletin and Review, 23*, 1157-1163

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.

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.

Papers in Refereed Journals: (cont'd)

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.

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.

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.

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.

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.

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.

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.

Vercillo, T., Milne, J.L., Gori, M., & **Goodale, M.A.** (2015). Enhanced auditory spatial localization in blind echolocators. *Neuropsychologia, 67,* 35-40.

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.

Whitwell, R.L., Milner, A.D., & **Goodale, M.A.** (2014). The two visual systems hypothesis: new challenges and insights from visual form agnosic Patient DF. *Frontiers in Neurology 5*:255.

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.

Papers in Refereed Journals: (cont'd)

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.

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.

Podrebarac, S.K., **Goodale, M.A.**, & Snow, J.C. (2014). Are visual texture-selective areas recruited during haptic texture discrimination? *Neuroimage, 94,* 129-137.

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.

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.

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.

Yabe, Y., **Goodale, M.A.**, & Shigemasu, H. (2014). Temporal order judgments are disrupted more by reflexive than by voluntary saccades. *Journal of Neurophysiology, 111,* 2103-2108.

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.

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.

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.

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.

Papers in Refereed Journals: (cont'd)

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.

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.

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.

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.

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.

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.

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).

Whitwell, R.L., Striemer, 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.

Papers in Refereed Journals: (cont'd)

Rossit, 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.

Striemer, 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.

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.

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.

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.

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Vanderwolf, C. H. & **Goodale, M.A.** (1982). Does introspection have a role in brain-behavior research? [Commentary on a paper by J. Panksepp] *Behavioral and Brain Sciences, 5,* 448.

Published Abstracts (last six years):

Whitwell, R.W., **Goodale, M.A.**, Garach, M., & Sperandio, I. (2023). Looking at the Ebbinghaus illusion: differences in fixations fail to explain a classic perception-action dissociation. *Journal of Vision, 23*:5930

Deng, Z., Gao, J., Li, Z., Zhu, F., **Goodale, M.A.**, & Chen, J. (2022). Differential representation of "toolness" and the elongated shape of tools revealed by continuous flash suppression and backward masking. *Journal of Vision, 22*: 3856

Proklova, D., & **Goodale, M.A.** (2020). Faces boost animacy information in the human ventral temporal cortex. *Journal of Vision, 20:* 11

Arnold, D.H., Moses, E., & **Goodale, M.A.** (2019). Sharpening vision by adapting to flicker. *Journal of Vision, 19*: 45.

Saccone, E.J., Crewther, S.G., **Goodale, M.A.**, & Chouinard, P.A. (2019). An fMRI study identifying brain regions activated when performing well-learned versus newly learned visuomotor associations. *Journal of Vision, 19*: 278.

Whitwell, R.l., **Goodale, M.A.**, & Enns, J. (2018). Touchpoints reveal sensitivity to object shape in an individual with visual agnosia and in another who is cortically blind. *Journal of Vision, 18*: 435.

Maltseva, M., Stubbs, K., & **Goodale, M.A.** (2017). Congruent familiar size relationships decrease size contrast illusion. *Journal of Vision, 17*: 1229.

Invited addresses and colloquia (last six years):

- Active Vision Conference, University of Florence, Florence, Italy, September, 2023.
- Lake of Ontario Visionary Establishment, Niagara Falls, Ontario, Canada, February, 2023.
- Sir Frederic Bartlett Lecture, Experimental Psychology Society, University of Stirling, Scotland, UK, July, 2022.
- New Interdisciplinary Horizons in Psychological Research, University of Coimbra, Portugal, May, 2022.
- CIFAR Winter School on Neuroscience of Consciousness, [online], January, 2022.
- Department of Psychology, Ben-Gurion University of the Negev, Israel, November, 2021
- Annual Science Day, Department of Psychology, Université de Montréal, May, 2021.
- Spring Meeting, British Neuropsychological Society, UK, April, 2021.
- Department of Cognitive Science, Johns Hopkins University, Baltimore, MD, USA, November, 2020.
- International Forum on Innovation and Emerging Industries Development (IEID 2020), Shanghai, China, September, 2020.
- Bar-Ilan University, Ramat Gan, Israel, September, 2020
- University of Verona, Verona, Italy, April, 2019.

Invited addresses and colloquia: (cont'd)

- Department of Psychology, South China Normal University, Guangzhou, China, March, 2019.
- Department of Psychology, University of Nanjing, Nanjing, China, November, 2018.
- Department of Psychology, University of Hong Kong, Hong Kong, October, 2018.
- School of Optometry, University of Waterloo, Waterloo, ON, September, 2018.
- Brenda Milner Centennial Symposium, Montreal Neurological Institute, McGill University, September, 2018.
- La Trobe University, Melbourne, Australia, July, 2018.
- Workshop "Sensory Plasticity, Adaptation, and Development, University of Pisa, Pisa, Italy, June, 2018.
- Celebration of Larry Weiskrantz, University of Oxford, Oxford, UK, June, 2018.
- Workshop "The InHuman Gaze and Perceiving Otherwise, Centre Culturel Irlandais, Paris, France, June, 2018.
- Leading Edge Workshop: Time for Action: Reaching for a Better Understanding of the Dynamics of Cognition, Psychonomic Society, Amsterdam, The Netherlands, May, 2018.
- Justus Liebig University, Giessen, Germany, June, 2017.
- Program meeting on "Disorders of the Contents of Consciousness", Azrieli Program on Brain, Mind, and Consciousness, Canadian Institute for Advanced Research, Beijing, China, June, 2017.
- University of Verona, Verona, Italy, May, 2017.
- Satellite Symposium, Society for the Neural Control of Movement, Dublin, Ireland, April, 2017.
- International Workshop on Navigation in honour of Prof. Rita Levi-Montalcini, European Brain Research Institute, Rome, Italy, April, 2017.
- Celebration in honour of Prof. Malcolm Jeeves, University of St. Andrews, Scotland, November, 2016.
- The Japan-Canada Joint Symposium: Science of Consciousness, 39th Annual Meeting of the Japan Neuroscience Society, Yokohama, Japan, July, 2016
- Symposium on Symposium in Honour of Larry Weiskrantz, Turin, Italy, June, 2016.
- Symposium on "The Parietal Cortex in Vision, Cognition, and Action", Vision Sciences Society, St. Pete Beach, Florida, May, 2016.
- Gibson Lecture, Cornell University, Ithaca, NY, April, 2016.
- Nanjing University, Nanjing, China, March, 2016.
- European Workshop on Cognitive Neuropsychology, Bressanone, Italy, January, 2016.

POSTDOCTORAL FELLOWS

Dr. Robert Whitwell	2017-2022 (with James Enns, UBC)
Dr. Daria Proklova	2017-2022
Dr. Kaitlin Laidlaw	2016-2019 (with Jody Culham)
Dr. Robert Foley	2016-2017
Dr. Yoshiko Yabe	2013-2018
Dr. Juan Chen	2012-2018
Dr. Fraser Smith	2010-2012

POSTDOCTORAL FELLOWS: (cont'd)

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

David Mekhaiel	M.Sc. (Neuroscience) (with Brian Corneil)	current
Cassandra Bacher	Ph.D. (Neuroscience) (with Jody Culham & Marieke Mur)	current
Kate Merritt	M.Sc. (Neuroscience)	2016
Robert Whitwell	Ph.D. (Neuroscience)	2015
Jennifer Milne	Ph.D. (Neuroscience)	2014
Daniel Wood	Ph.D. (Neuroscience)	2013
Samantha Podrebarac	M.Sc. (Neuroscience)	2013
Mark Daley	M.Sc. (Neuroscience) (with Jody Culham)	2011
Charlie Pettypiece	M.Sc. (Neuroscience) (with Jody Culham)	2011
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

GRADUATE STUDENTS: (cont,d)

Derek Quinlan	M.Sc. (Neuroscience) (with Jody Culham)	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