

Curriculum Vitae

Prof. Dr. Marcel Brass

Psychologist

Director of the Centre for Cognitive Neuroscience, Ghent University (CCN)

Department of Experimental Psychology

Henri Dunantlaan 2

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further affiliations

Ghent Institute for Functional and Metabolic Imaging (GfMI), Ghent University, Belgium

Centre for Cognitive Neuroscience (CCN), Ghent University, Belgium

Academic degrees

06/07 Habilitation in psychology (Dr. phil. habil.), University Leipzig, Germany

04/00 PhD in psychology, Ludwig-Maximilians University, Munich, Germany

04/97 Diploma in psychology, Free University, Berlin, Germany

Academic appointments

Since 2010 Full Professor at the Department of Experimental Psychology, Ghent University, Belgium

9/10-08/13 Visiting Professor at the Behavioural Science Institute, Radboud University, Nijmegen, The Netherlands

10/06-10/10 Senior Lecturer at the Department of Experimental Psychology, Ghent University, Belgium

04/06-10/06 Heisenberg fellow of the German Research Foundation at the Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany

01/00-04/06 Research scientist at the Max Planck Institute for Human Cognitive and Brain Sciences, Department of Cognitive Neurology, Leipzig, Germany

1997-1999 PhD student at the Max Planck Institute for Psychological Research, Department of Cognition and Action, Munich, Germany

Fellowships and awards

10/16-10/19 Research professorship of the Special Research Fund of Ghent University

10/11-10/16 Research professorship of the Special Research Fund of Ghent University

09/14-12/14 Kosmos fellowship of the Humboldt University, Berlin, Germany

10/06-10/11 Research professorship of the Special Research Fund of Ghent University

04/06-04/09 Heisenberg fellowship of the German Research Foundation (DFG)

Funding

Connections for cognition: A cognitive neurocomputational perspective on human flexibility (2017-2022). Together with Prof. Tom Verguts Prof. Wim Fias and Prof. Daniele Marinazzo. *Special Research Fund of Ghent University*.

Efficient intentions: How control beliefs shape self-control (2015-2017). *Templeton Foundation*: The philosophy and science of self-control.

The role of the prefrontal cortex in the acquisition of instructed fear (2013-2017). Together with Jan De Houwer (Ghent University). *Flemish Research Foundation (FWO)*.

Functional Near Infrared Spectroscopy (2014). *Hercules Foundation for Research Infrastructure*. PI of a consortium of five researchers.

Mechanisms of conscious and unconscious learning (COOL). (2013-2018). Together with Jan De Houwer (Ugent). Interuniversity Attraction Poles Program (IAP). *Belgium Science Policy Office (Beslpo)*.

Intentional inhibition of human action (2010-2014). Together with Patrick Haggard (UCL, London), Eveline Crone (Leiden University) and Alexander Münchau (Universtiy Hamburg). Collaborative Research Project. *European Science Foundation (ESF)*.

Beyond localization: Neural networks of knowledge and cognitive control in the human brain (2008-2014). Together with Wim Fias (Ghent University) and Tom Verguts (Ghent University). *Special Research Fund of Ghent University (BOF)*.

TMS: Investigating the causal contribution of specific brain areas with virtual lesions (2007). Together with Wim Fias (Ghent University). *Special Research Fund of Ghent University (BOF)*.

Cognitive control (2007-2011). *Special Research Fund of Ghent University (BOF)*.

Evolution, development and intentional control of imitation (2005-2008). Together with Ludwig Huber (Vienna University), Cecilia Heyes (UCL, London) und György Gergely (Hungarian Academy of Sciences). *European Commission (FP6)*.

Organizing and co-organizing international conferences

Neuro-cognitive bases of task-control. Kloster Nimbschen (June, 2004).

Evolution, Development and intentional control of Imitation, Vienna (March, 2008)

Intentional Inhibition: from motor suppression to self-control, London (September, 2013)

27th Meeting of the International Association for the Study of Attention and Performance (Corsendonk, 2016)

Editorial services

Consulting editor: *Cognitive, Affective and Behavioral Neuroscience*

Academic editor: *PLOS ONE (until 2014)*

Review editor: *Human Frontiers in Neuroscience (until 2014)*

Co-editor of a special issue on 'imitation': *Philosophical Transactions of the Royal Society, B*

Co-editor of a special issue on 'task switching': *Zeitschrift für Psychology*

Editor of a special issue on 'intentional inhibition': *Neuropsychologia*

Editor of a special issue on 'The Power of instructions': *Neuroscience & Biobehavioral Reviews*

International board memberships:

Board member of the International Association for the Study of Attention and Performance

Ad hoc reviewer

Scientific journals (selection)

Science, Neuron, PNAS, Current Biology, Brain, Nature Human Behavior, Cerebral Cortex, Journal of Neuroscience, Human Brain Mapping, Journal of Experimental Psychology: General, Journal of Experimental Psychology: HPP, Behavioral and Brain Sciences, Cognition, Psychological Science, Neuroscience and Biobehavioral Reviews

Funding agencies (selection)

European Research Council (ERC, Advanced Grant), European Research Council (ERC, Starting Grant), Deutsche Forschungsgemeinschaft (DFG), German-Israeli Science Foundation (IFS), German-Israeli Foundation of Sciences (GIF), Human Frontier Science Program (HFSP), Biotechnology and Biological Sciences Research Council, UK, Medical Research Council (MRC), UK, National Science Foundation (NSF), USA, Templeton Foundation, (USA), Netherlands Organisation for Scientific Research (NWO), Royal Society, UK.

Panel member of grant programs and institution reviews

Panel member of the graduate program 'Exteroception' Humboldt University Berlin funded by the German Research Foundation (2018).

Panel member of the Research Review of Psychology programs in the Netherlands (2017)

Panel member of the grant program 'Independent Research Groups in the Neurosciences' by the German Ministry of Education and Research (2013)

Member of PhD evaluation committees in

Belgium, The Netherlands, The UK, Italy, Germany, France, Switzerland, Hungary, Denmark

Mentorship of doctoral theses

Ghent (main supervisor)

2014-2018	Emiel Cracco, Ghent University, Belgium
2013-2017	Martijn Teuchies, Ghent University, Belgium
2012-2016	Eliane Deschrijver, Ghent University, Belgium
2011-2015	Paul Muhle-Karbe, Ghent University, Belgium
2011-2016	Eliane Deschrijver, Ghent University, Belgium
2010-2014	Lize De Coster, Ghent University, Belgium
2010-2015	Maggie Lynn, Ghent University, Belgium

2007-2011 Egbert Hartstra, Ghent University, Belgium
2008-2012 Charlotte Desmet, Ghent University, Belgium

Ghent (co-supervisor)

2013-2017 Annabel Nijhof, Ghent University, Belgium
2013-2017 Carsten Bundt, Ghent, University, Belgium
2011-2015 Sophie Vandenbroucke, Ghent University, Belgium
2006-2010 Jelle Demanet, Ghent University, Belgium

Leipzig (together with Prof. Wolfgang Prinz)

2006-2009 Simone Kuehn, Leipzig University, Germany
2005-2009 Veronika Müller, Leipzig University, Germany

Leipzig (together with Prof. D. Yves von Cramon)

2001 – 2004 Hannes Ruge, Leipzig University, Germany
2002 - 2005 Jan Derrfuss, Leipzig University, Germany
2002 - 2006 Birte Forstmann, Leipzig University, Germany
2004 - 2008 Franziska Korb, Leipzig University, Germany
2005- 2009 Stephanie Spengler, Leipzig University, Germany

Teaching

Neurocognitive foundations of perception and action. Bachelor in psychology (LMU, Munich, 1999).
Empirical internship to experimental psychology. Master in psychology (University of Leipzig, 2002).
Perception. Master in psychology (University of Leipzig, 2003).
Experimental and cognitive psychology. Master in psychology (University of Leipzig, 2004)
Perception. Master in psychology (University Leipzig, 2006).
Biopsychology. Bachelor in psychology (Halle University, 2005)
Biopsychology. Bachelor in psychology. (Halle University, 2006)
Cognitive psychology. Master in experimental psychology. (Ghent University, from 2008 to 2019)
Cognitive neuroscience. Bachelor in physiotherapy. (Ghent University, 2017-2018)

Publications in peer reviewed journals

(199 articles in peer-reviewed journals, googlescholar: more than 18.000 citations, h-index: 58)

1. Brass, M., Furstenberg, A. & Mele, A.R. (2019). Why neuroscience does not disprove free will. *NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS*.
2. Genschow, O., Rigoni, D. & Brass, M. (2019). The hand of God or the hand of Maradona? Believing in free will increases perceived intentionality of others' behavior. *CONSCIOUSNESS AND COGNITION* 70, 80-87.

3. Cracco, E., Brass, M., 2019. Reaction time indices of automatic imitation measure imitative response tendencies. *CONSCIOUSNESS AND COGNITION* 68, 115-118.
4. El Kaddouri, R., Bardi, L., De Bremaeker, D., Brass, M. & Wiersema, J.R., (2019). Measuring spontaneous mentalizing with a ball detection task: putting the attention-check hypothesis by Phillips and colleagues (2015) to the test. *PSYCHOLOGICAL RESEARCH-PSYCHOLOGISCHE FORSCHUNG*.
5. Özdem, C., Brass, M., Schippers, A., Van der Cruyssen, L. & Van Overwalle, F. (2019). The neural representation of mental beliefs held by two agents. *COGNITIVE, AFFECTIVE & BEHAVIORAL NEUROSCIENCE*.
6. Bardi, L., Desmet, C., & Brass, M. (2019). Spontaneous theory of mind is reduced for nonhuman-like agents as compared to human-like agents. *PSYCHOLOGICAL RESEARCH-PSYCHOLOGISCHE FORSCHUNG*.
7. Brandt, V. C., Moczydlowski, A., Jonas, M., Boelmans, K., Bäumer, T., Brass, M., & Münchau, A. (2019). Imitation inhibition in children with Tourette syndrome. *JOURNAL OF NEUROPHYSIOLOGY*, 13(1), 82–95.
8. Cracco, E., Keysers, C., Clauwaert, A., & Brass, M. (2019). Representing multiple observed actions in the motor system. *CEREBRAL CORTEX*.
9. Genschow, O., Bardi, L., & Brass, M. (2018). Anticipating actions and corticospinal excitability : a preregistered motor TMS experiment. *CORTEX*, 106, 81–92.
10. Cracco, E., & Brass, M. (2018). Motor simulation of multiple observed actions. *COGNITION*, 180, 200–205.
11. Genschow, O., Klomfar, S., d' Haene, I., & Brass, M. (2018). Mimicking and anticipating others' actions is linked to Social Information Processing. *PLOS ONE*, 13(3).
12. Brass, M., & Pereboom, D. (2018). Philosophy and science dialogue : free will. *FRONTIERS OF PHILOSOPHY IN CHINA*, 13(3), 361–376.
13. Vastano, R., Deschrijver, E., Pozzo, T., & Brass, M. (2018). Temporal binding effect in the action observation domain: Evidence from an action-based somatosensory paradigm. *CONSCIOUSNESS AND COGNITION*, 60, 1–8.
14. Bourguignon, N., Braem, S., Hartstra, E., De Houwer, J., & Brass, M. (2018). Encoding of novel verbal instructions for prospective action in the lateral prefrontal cortex : evidence from univariate and multivariate functional magnetic resonance imaging analysis. *JOURNAL OF COGNITIVE NEUROSCIENCE* , 30(8), 1170–1184.
15. Cracco, E., Genschow, O., Radkova, I., & Brass, M. (2018). Automatic imitation of pro- and antisocial gestures: Is implicit social behavior censored? *COGNITION*, 170, 179–189.
16. Goris, J., Braem, S., Nijhof, A. D., Rigoni, D., Deschrijver, E., Van de Cruys, S., Wiersema, R., et al. (2018). Sensory prediction errors are less modulated by global context in autism spectrum disorder. *BIOLOGICAL PSYCHIATRY : COGNITIVE NEUROSCIENCE AND NEUROIMAGING*, 3(8), 667–674.
17. Cracco, E., & Brass, M. (2018). Automatic imitation of multiple agents : simultaneous or random representation? *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-HUMAN PERCEPTION AND PERFORMANCE*, 44(5), 729–740.

18. Nijhof, A. D., Bardi, L., Brass, M., & Wiersema, R. (2018). Brain activity for spontaneous and explicit mentalizing in adults with autism spectrum disorder : an fMRI study. *NEUROIMAGE-CLINICAL*, 18, 475–484.
19. Nijhof, A., Dhar, M., Goris, J., Brass, M., & Wiersema, R. (2018). Atypical neural responding to hearing one's own name in adults with ASD. *JOURNAL OF ABNORMAL PSYCHOLOGY*, 127(1), 129–138.
20. Fini, C., Verbeke, P., Sieber, S., Moors, A., Brass, M., & Genschow, O. (2018). The influence of threat on perceived spatial distance to out-group members. *PSYCHOLOGICAL RESEARCH-PSYCHOLOGISCHE FORSCHUNG*.
21. Cracco, E., Bardi, L., Desmet, C., Genschow, O., Rigoni, D., De Coster, L., Radkova, I., et al. (2018). Automatic imitation : a meta-analysis. *PSYCHOLOGICAL BULLETIN*, 144(5), 453–500.
22. De Coster, Lize, Wiersema, R., Deschrijver, E., & Brass, M. (2018). The effect of being imitated on empathy for pain in adults with high-functioning autism : disturbed self-other distinction leads to altered empathic responding. *AUTISM*, 22(6), 712–727.
23. Carsten, T., Desmet, C., Krebs, R., & Brass, M. (2018). Pupillary contagion is independent of the emotional expression of the face. *EMOTION*.
24. Cracco, E., & Brass, M. (2018). The role of sensorimotor processes in social group contagion. *COGNITIVE PSYCHOLOGY*, 103, 23–41.
25. Langerock, N., Wisniewski, D., Brass, M., & Vergauwe, E. (2018). An examination of refreshing in between-category sequences. *ANNALS OF THE NEW YORK ACADEMY OF SCIENCES*, 1424(1), 190–201.
26. Braem, S., De Houwer, J., Demanet, J., Yuen, K. S., Kalisch, R., & Brass, M. (2017). Pattern analyses reveal separate experience-based fear memories in the human right Amygdala. *JOURNAL OF NEUROSCIENCE* , 37(34), 8116–8130.
27. Genschow, O., Van Den Bossche, S., Cracco, E., Bardi, L., Rigoni, D., & Brass, M. (2017). Mimicry and automatic imitation are not correlated. *PLOS ONE*, 12(9).
28. Bardi, L., Gheza, D., & Brass, M. (2017). TPJ-M1 interaction in the control of shared representations : new insights from tDCS and TMS combined. *NEUROIMAGE*, 146, 734–740.
29. Deschrijver, E., Wiersema, R., & Brass, M. (2017). Action-based touch observation in adults with high functioning autism : can compromised self-other distinction abilities link social and sensory everyday problems? *SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCE* , 12(2), 273–282.
30. Bardi, L., Desmet, C., Nijhof, A., Wiersema, R., & Brass, M. (2017). Brain activation for spontaneous and explicit false belief tasks overlaps : new fMRI evidence on belief processing and violation of expectation. *SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCE*, 12(3), 391–400.
31. De Houwer, J., Hughes, S. J., & Brass, M. (2017). Toward a unified framework for research on instructions and other messages : an introduction to the special section on the power of instructions . *NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS*, 81, 1–3.

32. Özdem, C., Wiese, E., Wykowska, A., Müller, H., Brass, M., & Van Overwalle, F. (2017). Believing androids : fMRI activation in the right temporo-parietal junction is modulated by ascribing intentions to non-human agents. *SOCIAL NEUROSCIENCE*, 12(5), 582–593.
33. Bardi, L., Six, P., & Brass, M. (2017). Repetitive TMS of the temporo-parietal junction disrupts participant's expectations in a spontaneous theory of mind task. *SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCE*, 12(11), 1775–1782.
34. Genschow, O., Rigoni, D., & Brass, M. (2017). Belief in free will affects causal attributions when judging others' behavior. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, 114(38), 10071–10076.
35. Brass, M., Liefoghe, B., Braem, S., & De Houwer, J. (2017). Following new task instructions : evidence for a dissociation between knowing and doing. *NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS*, 81, 16–28.
36. Fini, Chiara, Bardi, L., Troje, N. F., Committeri, G., & Brass, M. (2017). Priming biological motion changes extrapersonal space categorization. *ACTA PSYCHOLOGICA*, 172, 77–83.
37. Fini, Chiara, Bardi, L., Epifanio, A., Committeri, G., Moors, A., & Brass, M. (2017). Transcranial direct current stimulation (tDCS) of the inferior frontal cortex affects the “social scaling” of extrapersonal space depending on perspective-taking ability. *EXPERIMENTAL BRAIN RESEARCH*, 235(3), 673–679.
38. Deschrijver, E., Wiersema, R., & Brass, M. (2017). The influence of action observation on action execution : dissociating the contribution of action on perception, perception on action, and resolving conflict. *COGNITIVE AFFECTIVE & BEHAVIORAL NEUROSCIENCE*, 17(2), 381–393.
39. Özdem, C., Brass, M., Van der Cruyssen, L., & Van Overwalle, F. (2017). The overlap between false belief and spatial reorientation in the temporo-parietal junction : the role of input modality and task. *SOCIAL NEUROSCIENCE*, 12(2), 207–217.
40. Deschrijver, E., Wiersema, R., & Brass, M. (2017). Disentangling neural sources of the motor interference effect in high functioning autism : an EEG-study. *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*, 47(3), 690–700.
41. Vastano, R., Pozzo, T., & Brass, M. (2017). The action congruency effect on the feelings of agency. *CONSCIOUSNESS AND COGNITION*, 51, 212–222.
42. Genschow, O., Demanet, J., Hersche, L., & Brass, M. (2017). An empirical comparison of different implicit measures to predict consumer choice. *PLOS ONE*, 12(8).
43. Desmet, Charlotte, van der Wiel, A., & Brass, M. (2017). Brain regions involved in observing and trying to interpret dog behaviour. *PLOS ONE*, 12(9).
44. Nijhof, A., Brass, M., & Wiersema, R. (2017). Spontaneous mentalizing in neurotypicals scoring high versus low on symptomatology of autism spectrum disorder. *PSYCHIATRY RESEARCH*, 258, 15–20.
45. Van de Putte, E., De Baene, W., Brass, M., & Duyck, W. (2017). Neural overlap of L1 and L2 semantic representations in speech : a decoding approach. *NEUROIMAGE*, 162, 106–116.

46. Goris, Judith, Deschrijver, E., Trapp, S., Brass, M., & Braem, S. (2017). Autistic traits in the general population do not correlate with a preference for associative information. (S. Gaigg, Ed.) *RESEARCH IN AUTISM SPECTRUM DISORDERS*, 33, 29–38.
47. Muhle-Karbe, Paul S., Duncan, J., De Baene, W., Mitchell, D. J., & Brass, M. (2017). Neural coding for instruction-based task sets in human frontoparietal and visual cortex. *CEREBRAL CORTEX*, 27(3), 1891–1905.
48. Braem, S., Liefoghe, B., De Houwer, J., Brass, M., & Abrahamse, E. (2017). There are limits to the effects of task instructions : making the automatic effects of task instructions context-specific takes practice. *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-LEARNING MEMORY AND COGNITION*, 43(3), 394–403.
49. Brandt, V., Patalay, P., Bäume, T., Brass, M., & Münchau, A. (2016). Tics as a model of over-learned behavior: imitation and inhibition of facial tics. *MOVEMENT DISORDERS*, 31(8), 1155–1162.
50. Cracco, E., Desmet, C., & Brass, M. (2016). When your error becomes my error : anterior insula activation in response to observed errors is modulated by agency. *SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCE*, 11(3), 357–366.
51. Demanet, Jelle, Liefoghe, B., Hartstra, E., Wenke, D., De Houwer, J., & Brass, M. (2016). There is more into “doing” than “knowing” : the function of the right inferior frontal sulcus is specific for implementing versus memorising verbal instructions. *NEUROIMAGE*, 141, 350–356.
52. Teuchies, M., Demanet, J., Sidarus, N., Haggard, P., Stevens, M., & Brass, M. (2016). Influence of unconscious priming on voluntary actions: role of the rostral cingulate zone. *NEUROIMAGE*, 135, 243–252.
53. Rigoni, D., Braem, S., Pourtois, G., & Brass, M. (2016). Fake feedback on pain tolerance impacts proactive versus reactive control strategies. *CONSCIOUSNESS AND COGNITION*, 42, 366–373.
54. Lynn, M., Demanet, J., Krebs, R., Van Dessel, P., & Brass, M. (2016). Voluntary inhibition of pain avoidance behavior: an fMRI study. *BRAIN STRUCTURE & FUNCTION*, 221(3), 1309–1320.
55. Deschrijver, E., Bardi, L., Wiersema, R., & Brass, M. (2016). Behavioural measures of implicit theory of mind in adults with high functioning autism. *COGNITIVE NEUROSCIENCE*, 7(1-4), 192–202.
56. Deschrijver, E., Wiersema, R., & Brass, M. (2016). The interaction between felt touch and tactile consequences of observed actions: an action-based somatosensory congruency paradigm. *SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCE*, 11(7), 1162–1172.
57. Cracco, E., De Coster, L., Andres, M., & Brass, M. (2016). Mirroring multiple agents: motor resonance during action observation is modulated by the number of agents. *SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCE*, 11(9), 1422–1427.
58. Muhle-Karbe, P. S., Derrfuss, J., Lynn, M., Neubert, F. X., Fox, P., Brass, M., & Eickhoff, S. (2016). Co-activation-based parcellation of the lateral prefrontal cortex delineates the inferior frontal junction area. *CEREBRAL CORTEX*, 26(5), 2225–2241.

59. Gauvin, H., De Baene, W., Brass, M., & Hartsuiker, R. (2016). Conflict monitoring in speech processing: an fMRI study of error detection in speech production and perception. (S. Kotz, Ed.) *NEUROIMAGE*, *126*, 96–105.
60. Nijhof, A., Brass, M., Bardi, L., & Wiersema, R. (2016). Measuring mentalizing ability: a within-subject comparison between an explicit and implicit version of a ball detection task. *PLoS ONE*, *11*(10).
61. Bundt, C., Abrahamse, E., Braem, S., Brass, M., & Notebaert, W. (2016). Reward anticipation modulates primary motor cortex excitability during task preparation. *NEUROIMAGE*, *142*, 473–478.
62. Schunke, O., Schottle, D., Vettorazzi, E., Brandt, V., Kahl, U., Baumer, T., Ganos, C., et al. (2016). Mirror me: imitative responses in adults with autism. *AUTISM*, *20*(2), 134–144.
63. Desmet, Charlotte, & Brass, M. (2015). Observing accidental and intentional unusual actions is associated with. *NEUROIMAGE*, *122*, 195–202.
64. Ridderinkhof, K. R., & Brass, M. (2015). How kinesthetic motor imagery works: a predictive-processing theory of visualization in sports and motor expertise. *JOURNAL OF PHYSIOLOGY-PARIS*, *109*(1-3), 53–63.
65. Bardi, L., Bundt, C., Notebaert, W., & Brass, M. (2015). Eliminating mirror responses by instructions. *CORTEX*, *70*, 128–136.
66. Vergauwe, E., Hartstra, E., Barrouillet, P., & Brass, M. (2015). Domain-general involvement of the posterior frontolateral cortex in time-based resource-sharing in working memory: an fMRI study. *NEUROIMAGE*, *115*, 104–116.
67. Fini, C., Brass, M., & Committeri, G. (2015). Social scaling of extrapersonal space: target objects are judged as closer when the reference frame is a human agent with available movement potentialities. *COGNITION*, *134*, 50–56.
68. Genschow, O., & Brass, M. (2015). The predictive chameleon: evidence for anticipated social action. *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-HUMAN PERCEPTION AND PERFORMANCE*, *41*(2), 265–268.
69. Rigoni, D., Pourtois, G., & Brass, M. (2015). “Why should I care?” Challenging free will attenuates neural reaction to errors. *SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCE*, *10*(2), 262–268.
70. Cracco, E., De Coster, L., Andres, M., & Brass, M. (2015). Motor simulation beyond the Dyad: automatic imitation of multiple actors. *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-HUMAN PERCEPTION AND PERFORMANCE*, *41*(6), 1488–1501.
71. Fini, Chiara, Committeri, G., Muller, B. C., Deschrijver, E., & Brass, M. (2015). How watching Pinocchio movies changes our subjective experience of extrapersonal space. *PLOS ONE*, *10*(3).
72. De Baene, W., Duyck, W., Brass, M., & Carreiras, M. (2015). Brain circuit for cognitive control is shared by task and language switching. *JOURNAL OF COGNITIVE NEUROSCIENCE*, *27*(9), 1752–1765.
73. Müller, B., CN, Oostendorp, A. K., Kühn, S., Brass, M., Dijksterhuis, A., & van Baaren, R. B. (2015). When triangles become human Action co-representation for objects. *INTERACTION STUDIES*, *16*(1), 54–67.

74. Bundt, C., Bardi, L., Abrahamse, E., Brass, M., & Notebaert, W. (2015). It wasn't me! Motor activation from irrelevant spatial information in the absence of a response. *FRONTIERS IN HUMAN NEUROSCIENCE*, 9.
75. Damen, T. G., van Baaren, R. B., Brass, M., Aarts, H., & Dijksterhuis, A. (2015). Put your plan into action: the influence of action plans on agency and responsibility. *JOURNAL OF PERSONALITY AND SOCIAL PSYCHOLOGY*, 108(6), 850–866.
76. Brandt, V., Lynn, M., Obst, M., Brass, M., & Münchau, A. (2015). Visual feedback of own tics increases tic frequency in patients with Tourette's syndrome. *COGNITIVE NEUROSCIENCE*, 6(1), 1–7.
77. Ridderinkhof, K. R., van den Wildenberg, W. P., & Brass, M. (2014). "Don't" versus "Won't": principles, mechanisms, and intention in action inhibition. *NEUROPSYCHOLOGIA*, 65, 255–262.
78. Lynn, M., Muhle-Karbe, P. S., & Brass, M. (2014). Controlling the self: the role of the dorsal frontomedian cortex in intentional inhibition. *NEUROPSYCHOLOGIA*, 65, 247–254.
79. Muhle-Karbe, Paul Simon, De Baene, W., & Brass, M. (2014). Do tasks matter in task switching? Dissociating domain-general from context-specific brain activity. *NEUROIMAGE*, 99, 332–341.
80. Desmet, Charlotte, Deschrijver, E., & Brass, M. (2014). How social is error observation? The neural mechanisms underlying the observation of human and machine errors. *SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCE*, 9(4), 427–435.
81. Lynn, M., Muhle-Karbe, P. S., Aarts, H., & Brass, M. (2014). Priming determinist beliefs diminishes implicit (but not explicit) components of self-agency. *FRONTIERS IN PSYCHOLOGY*, 5(1483), 1–8.
82. De Baene, W., & Brass, M. (2014). Dissociating strategy-dependent and independent components in task preparation. *NEUROPSYCHOLOGIA*, 62, 331–340.
83. De Coster, Lize, Müller, S., T'Sjoen, G., De Saedeleer, L., & Brass, M. (2014). The influence of Oxytocin on automatic motor simulation. *PSYCHONEUROENDOCRINOLOGY*, 50, 220–226.
84. Ainley, V., Brass, M., & Tsakiris, M. (2014). Heartfelt imitation: high interoceptive awareness is linked to greater automatic imitation. *NEUROPSYCHOLOGIA*, 60, 21–28.
85. Muhle-Karbe, Paul Simon, Andres, M., & Brass, M. (2014). Transcranial magnetic stimulation dissociates prefrontal and parietal contributions to task preparation. *JOURNAL OF NEUROSCIENCE*, 34(37), 12481–12489.
86. Stosic, M., Brass, M., van Hoek, N., Ma, N., & Van Overwalle, F. (2014). Brain activation related to the perception of minimal agency cues: the role of the mirror system. *NEUROIMAGE*, 86, 364–369.
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Invited talks, scientific presentations and presentation on summer schools (selection)

- Brass, M. (2019, March). The influence of free will beliefs on intentional motor control and social perception. 2nd International Conference on Neuroscience and Free Will. Chapman University, CA, USA.
- Brass, M. (2018, October). How do we represent multiple observed actions in our motor system. *Institute of Cognitive Neuroscience, University College London, UK.*
- Brass, M. (2018, March). Following new instructions. University of Granada, Spain.
- Brass, M. (2018, February). Clever chameleon: the influence of action observation on action execution. *University of Birmingham, UK.*
- Brass, M. (2017, July). Shared representation of perception and action. *Beijing University, China.*
- Brass, M. (2017, July). Neuroscience and the human will. *Summer workshop on the philosophy and science of free will. Renmin University, Beijing, China.*
- Brass, M. (2016, June). The implementation of instructions. *27th Meeting of the Association for the Study of Attention and Performance, Corsendonk, Belgium.*
- Brass, M. (2016, July). Clever chameleon: the influence of action observation on action execution. *Summer School on Social Cognition: From Interaction to Intersubjectivity. Aegina, Greece.*
- Brass, M. (2015, December). The influence of control beliefs on self-control. *Meeting of the Templeton Foundation: Philosophy and science of self-control. Tallahassee, USA.*
- Brass, M. (2015, June). *Neuroscience and the human will. Keynote lecture at the conference: Psychologie & Gehirn 2015, Frankfurt am Main, Germany.*
- Brass, M. (2015, June). Conscious and unconscious influences on intentional control of behavior. *The German-Israeli Summer School. School of Mind and Brain, Berlin, Germany.*
- Brass, M. (2014, November). Clever Chameleon: the influence of action observation on action execution. *Central European University, Budapest, Hungary.*
- Brass, M. (2014, June). The functional neuro-anatomy of the human will. *Mind and Brain lecture at the School of Mind and Brain, Humboldt University, Berlin, Germany.*
- Brass, M. (2014, May). From intentions to neurons: the functional neuroanatomy of intentional action. *The International symposium "Free-Will: Philosophy meets neuroscience". (Bar Ilan University). Tel Aviv, Israel.*
- Brass, M. (2014, January). Shared representation of perception and action. *Institut du Cerveau et de la Moelle épinière. Paris, France.*
- Brass, M. (2013, April). The role of the lateral prefrontal cortex in cognitive control. 'Chaucer Club Talk' at the *MRC Cognition and Brain Sciences Unit, Cambridge, UK.*
- Brass, M. (2013, June). Control of shared representations and social cognition. 'Dialogues on action symposium', *Radboud University Nijmegen, Nijmegen, The Netherlands.*
- Brass, M. (2013, September). Shared representations and self-other distinction. 'KOSMOS Public Lecture'. *Humboldt University, Berlin, Germany.*

- Brass, M. (2013, October). The functional neuro-anatomy of intentional action. *'Interdisciplinary Workshop on Intentions', University of Milan, Milan, Italy.*
- Brass, M. (2012, November). The functional neuroanatomy of intentional action. *'1st Topoi conference on Intentions: Pilosophical and empirical issues', Rome, Italy.*
- Brass, M. (2012, October). Imitation and joint action. *School of Psychology and Neuroscience, St. Andrews, UK.*
- Brass, M. (2012, May). Who is in control? Brain correlates of intentional action. *'Workshop on Neuroscience, Responsibility and law at the Institute of Philosophy', University of London, UK.*
- Brass, M. (2012, May). How automatic is automatic imitation? *Department of Psychology, University of Basel, Switzerland.*
- Brass, M. (2011, December). The role of the frontolateral cortex in cognitive control. *Department of Psychology, University of Zurich, Switzerland.*
- Brass, M. (2011, December). The functional neuroanatomy of intentional action. *'Integrating neuroscience and philosophy in the study of consciousness: How to make it work?' Center for Advanced Studies, Munich, Germany.*
- Brass, M. (2011, June). Intentional control of action. Workshop on rational agency. *Centre for Integrative Neuroscience, University Tübingen, Germany.*
- Brass, M. (2011, January). Control of shared representations and understanding other people's minds. *'Alpine Brain Imaging Meeting 2011', Champéry, Switzerland.*
- Brass, M. (2010, November). To do or not to do. Neural correlates of intentional action. *'Workshop on the efficacy of conscious intentions and plans.' Institute for Philosophy, Leiden University.*
- Brass, M. (2010, November). Control of shared representations and understanding other people's minds. *'Workshop on interactive minds. Centre for Integrative Life Sciences (CILS)', Berlin, Germany.*
- Brass, M. (2009, July). Perspectives of intentional action. *'Science of free will'. Templeton Foundation, New York City, USA.*
- Brass, M. (2009, June). Intentional action. *MPI for Human Cognitive and Brain Sciences, Leipzig, Germany.*
- Brass, M. (2009, May). Shared representations and self/other distinction. *'ESF network workshop: Social genes, social brains and social minds.' Budapest, Hungary.*
- Brass, M. (2009, March). The unwanted twin: the role of the parietal cortex in cognitive control. *'The functions of the parietal lobes.' Jerusalem, Israel.*
- Brass, M. (2009, February). Shared representations of self and other: from automatic imitation to joint action. *Department of Psychology, Birmingham, UK.*
- Brass, M. (2009, January). Shared representations and self-other distinction. *'Disorders and coherence of the embodied self (DISCOS).' London, UK.*
- Brass, M. (2008, October). The role of shared representations in automatic imitation and joint action. *Utrecht University, Department of Psychology, Utrecht, The Netherlands.*

- Brass, M. (2008, May). To do or not to do: The functional neuroanatomy of intending to do something or not. *'EPOS-workshop. Neurocognitive approaches to control and working memory.'* Leiden, The Netherlands.
- Brass, M., Spengler, S. & Liepelt, R. (2008, March). Shared representations and self/other distinction. 'Workshop on evolution, development and intentional control of imitation', Vienna, Austria.
- Brass, M. (2007, November). The role of shared representations in automatic imitation, action understanding and joint action. *Instituto Superior Tecnico, Portugal.*
- Brass, M. (2007, November). Shared representations and self/other distinction. *Cardiff University. School of Psychology. Cardiff (UK).*
- Brass, M. (2007, June). The inhibition of imitative behaviour and mentalizing: Reconceptualizing what enables a Theory of mind. *'Annual meeting of the Jean Piaget Society.'* Amsterdam (NL).
- Brass, M. (2007, Mai). Shared representations and self/other distinction. *Institute of Cognitive Neuroscience, London (UK).*
- Brass, M. (2007, April). Imitation and self/other distinction. *'The international Symposium on Imitation in Animals and Artifact.'* Newcastle upon Tyne (UK).
- Brass, M. (2006, July). How motor-related is cognitive control? *'Attention and Performance XX.'* Château de Pizay (France).
- Brass, M. (2006, May). Distinguishing between self and other: How shared are shared representations? *'ESF Expert meeting: Social Neuroscience of Imitation.'* Girona, (Spain).
- Brass, M. (2006, April). *Distinguishing between self and other: How shared are shared representations?* 'British-German Frontiers of Science Symposium.' Wyboston in Bedfordshire (UK).
- Brass, M (2005, November). The role of the fronto-lateral cortex in cognitive control. *'Minisymposium at the 35th Annual meeting of the Society for Neuroscience.'* Washington (USA).
- Brass, M. (2005, October). The role of the posterior fronto-lateral cortex in cognitive control. *Dept. of Cognitive Neuroscience, SISSA. Trieste, Italy.*
- Brass, M. (2005, Oktober). Is it you or is it me? The inhibition of imitative response tendencies. *Oxford Centre for Functional Magnetic Resonance Imaging of the Brain. Oxford University (UK).*
- Brass, M. (2005, Juni). The role of the posterior fronto-lateral cortex in cognitive control. *Dept. of Cognitive Psychology, University Leiden, (Niederlande).*
- Brass, M. (2004, October). The role of the posterior fronto-lateral cortex in cognitive control. *Dept. of Experimental Psychology. Oxford University (UK).*
- Brass, M., & von Cramon, D.Y. (2003, November). The role of the inferior frontal junction area in cognitive control. *Dept. of Behavioural and Social Sciences of the Ben-Gurion University, Beer-Sheva (Israel).*
- Brass, M., Derrfuss, J., & von Cramon, D.Y (2003, January). Why don't we imitate all the time? 'Twenty-first European Workshop on Cognitive Neuropsychology.' Bressanone (Italy).