

Dr. Marius V. Peelen

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Updated: May 2023

EDUCATION

- 2003-2006 PhD in Cognitive Neuroscience
University of Wales, Bangor, UK
Supervisor: Prof. P. Downing
Thesis: Body selectivity in human visual cortex
- 1998-2003 MA in Cognitive Psychology
Vrije Universiteit, Amsterdam, The Netherlands
Supervisors: Dr. D. Heslenfeld & Prof. J. Theeuwes

ACADEMIC POSITIONS

- 2017- Principal Investigator and Associate Professor (tenured)
Donders Institute, Radboud University, Nijmegen, The Netherlands
- 2016-2017 Principal Investigator and Associate Professor (tenured)
Center for Mind/Brain Sciences (CIMEC), University of Trento, Italy
- 2014-2015 Instructor
Harvard Summer School, Harvard University, USA
- 2011-2016 Principal Investigator and Assistant Professor
Center for Mind/Brain Sciences (CIMEC), University of Trento, Italy
- 2009-2011 Post-doctoral fellow
Harvard University, USA & University of Trento, Italy
Supervisor: Prof. A. Caramazza
- 2007-2009 Post-doctoral fellow
Princeton University, USA
Supervisor: Prof. S. Kastner
- 2006-2007 Post-doctoral fellow
University of Geneva, Switzerland
Supervisor: Prof. P. Vuilleumier
- 2001-2003 Teaching assistant
Vrije Universiteit, Amsterdam, The Netherlands

EDITORIAL POSITIONS

- 2023- Science Advances (handling editor)
- 2019- eLife (handling editor)
- 2019- The Journal of Neuroscience (associate editor)
- 2019 Frontiers in Psychology (guest editor)
- 2017 Neuropsychologia (guest editor)
- 2008- F1000 (associate faculty member)

TEACHING

2017- present (Radboud University)

Attention and Prediction (MSc, Cognitive Neuroscience, *Course coordinator*)
Cyberpsychology (BSc, Psychology, *Course coordinator*)
Applied Research Methods (BSc, Psychology, *Course coordinator*)
Academic Writing and Reviewing (MSc, Artificial Intelligence)
Bachelor internship and thesis supervision (BSc, Psychology)
Academic Skills (BSc, Artificial Intelligence)
Trends in Cognitive Neuroscience (MSc, Cognitive Neuroscience)

2014-2015 (Harvard University)

Harvard Summer School "The Social Brain" (*Course coordinator*)

2012-2017 (CIMeC, University of Trento)

Advanced Topics in Perception and Attention (MSc; *Course coordinator*)
Foundations of Cognitive Neuroscience (MSc; *Course coordinator*)
Foundations of Cognitive Psychology (MSc)

2000-2003 (Vrije Universiteit, Amsterdam)

Introductory Mathematics (lecturer)
Statistics (TA)
Introduction to Experimental Psychology (TA)
Research Methods (TA)

PHD STUDENT SUPERVISION

As main advisor

Qiu Han (2021-2025); ongoing
Maelle Lerebourg (2020-2024); ongoing
Linlin Shang (2020-2023); ongoing
Giacomo Aldegheri (2017-2022); Now postdoc at University of Amsterdam
Sushrut Thorat (2017-2021); Now postdoc at Osnabruck University, Germany
Elisa Battistoni (2015-2018); Now data scientist at BlueTensor, Italy
Daria Proklova (2013-2016); Now postdoc at UWO, Canada
Daniel Kaiser (2012-2015); Now professor at University of Giessen, Germany
Reshanne Reeder (2011-2014); Now senior lecturer at Edge Hill University, UK

As co-advisor

Charlotte de Blecourt (2018-2023); ongoing
Ludwig Barbaro (2013-2016); Now postdoc at Birmingham University, UK
Francesca Perini (2008-2012); Now research fellow at Duke-NUS, Singapore
Timo Stein (2009-2012); Now assistant professor at University of Amsterdam
Stefania Bracci (2008-2011); Now assistant professor at University of Trento, Italy

GRANTS, HONOURS, AWARDS

2020-2024 DCC PhD grant (€190.000)
2021-2023 Marie Curie IEF, Marco Gandolfo (role: scientist in charge; €180.000)
2019-2021 Marie Curie IEF, Genevieve Quek (role: scientist in charge; €190.000)
2019-2020 NWO replication studies grant (role: co-I; €60.000)
2018-2022 DCC PhD grant (€190.000)
2017-2023 ERC Consolidator grant (PI; €2.000.000)
2017 Honorary fellow, University of Trento, Italy

2015-2017	Marie Curie IEF, Talia Brandman (role: scientist in charge; €180.000)
2014-2016	Marie Curie IEF, Timo Stein (role: scientist in charge; €180.000)
2013-2016	PAT grant on Attention "Grandi Progetti" (role: co-I; €2.100.000)
2013-2015	ITPAR grant (role: co-I; €312.000)
2007	Graduate student award, Cognitive Neuroscience Society, New York
2006	Fellowship for PENS/Hertie Winterschool, Kitzbühel, Austria
2006	Fellowship for Cognitive Neuroscience Summer Institute, Dartmouth

ORGANIZING ACTIVITIES AND SERVICE

- Donders Institute Theme Leader: Perception, Action and Decision making (2022-present)
- Member and Chair of NVP thesis award committee (2022, 2023)
- Member of Panel of experts, NCN Poland (2022, 2023)
- Member of NWO Vidi panel (2021, 2022)
- Member of DFG evaluation committee (2017, 2021)
- Member of scientific board of Citylab@muZIEum (2021-present)
- Mentor in SfN Reviewer Mentor Program (2020-present)
- Scientific organizer of the 4th - 13th (2010-2019) annual workshop on Concepts, Actions, and Objects, Rovereto, Italy
- Member of the Ethics Committee of the Faculty of Social Sciences, Radboud University (2019-2023)
- Chair of internal grant review committee (2019)
- >20 PhD examination committees (incl. Harvard University, Donders Institute, NeuroSpin, University of Nottingham, Macquarie University, Max Planck Institute)
- Founder and organizer of the weekly CIMEC brown bag meeting (2013-2015)
- Coordinator of the CIMEC colloquium series (2011-2012; 2016-2017).
- Member of CIMEC committee to assess quality of teaching (2015-2016)
- CIMEC delegate for quality of teaching (2016-2017)
- Member of AERES evaluation committee (2013)

10 KEY PUBLICATIONS

- Gayet S, Peelen MV (2022). Preparatory attention incorporates contextual expectations. *Curr Biol* 32:687-692
- Wischnewski M, Peelen MV (2021). Causal neural mechanisms of context-based object recognition. *eLife* 10:e69736
- Stein T, Peelen MV (2021). Dissociating conscious and unconscious influences on visual detection effects. *Nat Hum Behav* 5:612-624
- Kaiser D, Quek GL, Cichy RM, Peelen MV (2019). Object vision in a structured world. *Trends Cogn Sci* 23:672-685
- Hickey C, Peelen MV (2015). Neural mechanisms of incentive salience in naturalistic human vision. *Neuron* 85:512-518
- Kaiser D, Stein T, Peelen MV (2014). Object grouping based on real-world regularities facilitates perception by reducing competitive interactions in visual cortex. *Proc Natl Acad Sci USA* 111:11217-11222
- Peelen MV, Kastner S (2014). Attention in the real world: Toward understanding its neural basis. *Trends Cogn Sci* 18:242-250
- Peelen MV, Kastner S (2011). A neural basis for real-world visual search in human occipitotemporal cortex. *Proc Natl Acad Sci USA* 108:12125-12130

- Peelen MV, Fei-Fei L, Kastner S (2009). Neural mechanisms of rapid natural scene categorization in human visual cortex. *Nature* 460:94-97
- Peelen MV, Downing PE (2007). The neural basis of visual body perception. *Nat Rev Neurosci* 8:636-648

SELECTED INVITED PRESENTATIONS

- Invited speaker, ERC symposium, Maastricht University
- Symposium organizer, ICPS Brussels, Belgium
- Colloquium speaker, Nencki Institute Warsaw, Poland
- Colloquium speaker, University of Giessen, Germany
- Colloquium speaker, University of Regensburg, Germany
- Colloquium speaker, Ohio State University, USA
- Colloquium speaker, University of East Anglia, UK
- Colloquium speaker, York University, UK
- Colloquium speaker, Beijing Normal University, China
- Invited speaker, Center for Interdisciplinary Research (ZiF), Bielefeld
- Keynote speaker, Systems Neuroscience Symposium, Tübingen, Germany
- Colloquium speaker, Freie Universität Berlin
- Colloquium speaker, Utrecht University
- Colloquium speaker, UC Louvain, Belgium
- Invited speaker, Bangalore Cognition Workshop, India
- Colloquium speaker, University of Nottingham, UK
- Colloquium speaker CAMRI, Baylor College of Medicine, USA
- Invited speaker, NeuroSpin, Paris, France
- Colloquium speaker, Pompeu Fabra University, Barcelona, Spain
- Invited speaker, Ghent University, Belgium
- Invited speaker, Graduate School of Neuroscience, Bochum, Germany
- Colloquium speaker, Indian Institute of Science (IISc), Bangalore, India
- Colloquium speaker, CNRS, Paris, France
- Colloquium speaker, CITEC, Bielefeld University, Germany
- Invited speaker, CAOs workshop, Rovereto, Italy
- Invited speaker, Symposium on hand perception, Trento, Italy
- Invited speaker, Netherlands Institute for Neuroscience, Amsterdam
- Colloquium speaker, University of Amsterdam, Amsterdam
- Colloquium speaker, NYU Abu Dhabi
- Colloquium speaker, Bangor University, UK
- Colloquium speaker, Durham University, UK
- Invited speaker, Princeton University, Princeton, USA
- Invited speaker, Stockholm University, Sweden
- Colloquium speaker, Neurology, Geneva University Hospital, Switzerland
- Invited speaker, Vrije Universiteit, Amsterdam

REVIEWING

Journals (I review about 30 papers/year):

AP&P, Behav Brain Res, Brain Lang, Brain Sci, Brain Struct Func, Cereb Cortex, Cognition, Cogn Aff Behav Neurosci, Consc Cogn, Cortex, Curr Biol, Dev Psych, Emotion, eLife, eNeuro, Eur J Neurosci, Exp Brain Res, F1000, Front Hum Neurosci, Front Psychol, Hum Brain Mapp, J Cogn Neurosci, JEP:G, JEP: HPP, JEP: LMC, J Neurophysiol, J Neurosci, JoVE, J Vision, Nature, Nat Comm, Nat Hum Behav, Nat Neurosci, Neuroimage, Neuron, Neuropsychologia, Neurosci Consc, Neurosci Lett, Perception, Phil Trans Roy Soc B,

PLOS ONE, PLOS Biol, PNAS, Proc Biol Sci, Psych Bull Rev, Psych Med, Psych Res, Psychol Sci, Science Adv, Sci Rep, SCAN, Trends Cogn Sci, Vis Cogn, Vis Res.

Grant agencies (I review about 15 grants/year):

AERES (France), ANR (France), BBSRC (UK), BSF (US-Israel), DFG (Germany), ERC (Europe), FNRS (Belgium), FWO (Belgium), ISF (Israel), MRC (UK), NCN (Poland), NSF (US), NWO (NL), ORA (France), Wellcome Trust (UK)

FULL PUBLICATION LIST

- Yan C, Ehinger BV, Pérez-Bellido A, Peelen MV, de Lange FP (2023). Humans predict the forest, not the trees: statistical learning of spatiotemporal structure in visual scenes. *Cerebral Cortex*.
- Gandolfo M, Nagele H, Peelen MV (2023). Predictive processing of scene layout depends on naturalistic depth of field. *Psychological Science* 34:394-405
- Thorat S, Quek G, Peelen MV (2022). Statistical learning of distractor co-occurrences facilitates visual search. *Journal of Vision* 22:2
- Yeh LC, Peelen MV (2022). The time course of categorical and perceptual similarity effects in visual search. *Journal of Experimental Psychology: Human Perception and Performance* 48:1069-1082
- Thorat S, Peelen MV (2022). Body shape as a visual feature: evidence from spatially-global attentional modulation in human visual cortex. *NeuroImage* 255:119207
- Gao C, Shinkareva SV, Peelen MV (2022). Affective valence of words differentially affects visual and auditory word recognition. *Journal of Experimental Psychology: General* 151:2144-2159
- Gayet S, Peelen MV (2022). Preparatory attention incorporates contextual expectations. *Current Biology* 32:687-692
- Spaak E, Peelen* MV, de Lange* FP (2022). Scene context impairs perception of semantically congruent objects. *Psychological Science* 33:299-313
- Wischnewski M, Peelen MV (2021). Causal neural mechanisms of context-based object recognition. *eLife* 10:e69736
- Willems* RM, Peelen* MV (2021). How context changes the neural basis of perception and language. *iScience* 24:102392
- Wischnewski M, Peelen MV (2021). Causal evidence for a double dissociation between object- and scene-selective regions of visual cortex: A preregistered TMS replication study. *Journal of Neuroscience* 41:751-756
- Stein T, Peelen MV (2021). Dissociating conscious and unconscious influences on visual detection effects. *Nature Human Behaviour* 5:612-624
- Quax SC, Bosch SE, Peelen MV, van Gerven MA (2021). Population codes of prior knowledge learned through environmental regularities. *Scientific Reports* 11:1-16
- Quek GL, Peelen MV (2020). Contextual and spatial associations between objects interactively modulate visual processing. *Cerebral Cortex* 30: 6391-6404
- Battistoni E, Kaiser D, Hickey C, Peelen MV (2020). The time course of spatial attention during naturalistic visual search. *Cortex* 122:225-234
- Brandman T, Avancini C, Leticvscaia O, Peelen MV (2020). Auditory and semantic cues facilitate decoding of visual object category in MEG. *Cerebral Cortex* 30:597-606
- Thorat S, Proklova D, Peelen MV (2019). The nature of the animacy organization in human ventral temporal cortex. *eLife* 8:e47142
- Gayet S, Peelen MV (2019). Scenes modulate object processing before interacting with memory templates. *Psychological Science* 30:1497-1509

- Kaiser D, Quek GL, Cichy RM, Peelen MV (2019). Object vision in a structured world. *Trends in Cognitive Sciences* 23:672-685
- Gayet S, Stein T, Peelen MV (2019). The danger of interpreting detection differences between image categories. *Emotion* 19:928-932
- Proklova D, Kaiser D, Peelen MV (2019). MEG sensor patterns reflect perceptual but not categorical similarity of animate and inanimate objects. *NeuroImage* 193:167-177
- Katti H, Peelen MV, Arun SP (2019). Machine vision benefits from human contextual expectations. *Scientific Reports* 9:2112
- Brandman T, Peelen MV (2019). Signposts in the fog: Objects facilitate scene representations in left scene-selective cortex. *Journal of Cognitive Neuroscience* 31:390-400
- Thorat S, van Gerven M, Peelen MV (2018). The functional role of cue-driven feature-based feedback in object recognition. *Proceedings 2018 Conference on Cognitive Computational Neuroscience* 1044:1-4
- Stein T, Awad D, Gayet S, Peelen MV (2018). Unconscious processing of facial dominance: The role of low-level factors in access to awareness. *Journal of Experimental Psychology: General* 147:e1-e13
- Bracci S, Caramazza A, Peelen MV (2018). View-invariant representation of hand postures in the human lateral occipitotemporal cortex. *NeuroImage* 181:446-452
- Kaiser D, Peelen MV (2018). Transformation from independent to integrative coding of multi-object arrangements in human visual cortex. *NeuroImage* 169:334-341
- Peelen MV, Caramazza A (2017). Concepts, actions, and objects: Functional and neural perspectives. *Neuropsychologia* 105:1-3
- Barbaro L, Peelen MV, Hickey C (2017). Valence, not utility, underlies reward-driven prioritization in human vision. *Journal of Neuroscience* 37:10438-10450
 - Highlighted in: *Faculty of 1000*
- Brandman T, Peelen MV (2017). Interaction between scene and object processing revealed by human fMRI and MEG decoding. *Journal of Neuroscience* 37:7700-7710
- Hickey C, Peelen MV (2017). Reward selectively modulates the lingering neural representation of recently attended objects in natural scenes. *Journal of Neuroscience* 37:7297-7304
 - Highlighted in: *Faculty of 1000*
- Katti H, Peelen MV, Arun SP (2017). How do targets, nontargets, and context influence real-world object detection? *Attention, Perception, & Psychophysics* 79:2021-2036
- Peelen MV, Downing PE (2017). Category selectivity in human visual cortex: beyond visual object recognition. *Neuropsychologia* 105:177-183
- Wang X, He C, Peelen MV, Zhong S, Gong G, Caramazza A, Bi Y (2017). Domain selectivity in the parahippocampal gyrus is predicted by the same structural connectivity patterns in blind and sighted individuals. *Journal of Neuroscience* 37:4705-4716
- Battistoni E, Stein T, Peelen MV (2017). Preparatory attention in visual cortex. *Annals of the New York Academy of Sciences* 1396:92-107
- Stein T, Peelen MV (2017). Object detection in natural scenes: independent effects of spatial and category-based attention. *Attention, Perception, & Psychophysics* 79:738-752
- Kaiser D, Oosterhof NN, Peelen MV (2016). The neural dynamics of attentional selection in natural scenes. *Journal of Neuroscience* 36:10522-10528
- Wang X, Peelen MV, Han Z, Caramazza A, Bi Y (2016). The role of vision in the neural representation of unique entities. *Neuropsychologia* 87:144-156

- Proklova* D, Kaiser* D, Peelen MV (2016). Disentangling representations of object shape and object category in human visual cortex: the animate-inanimate distinction. *Journal of Cognitive Neuroscience* 28:680-692
- Kaiser* D, Azzalini* DC, Peelen MV (2016). Shape-independent object category responses revealed by MEG and fMRI decoding. *Journal of Neurophysiology* 115:2246-2250
- Stein T, Reeder RR, Peelen MV (2016). Privileged access to awareness for faces and objects of expertise: evidence from inversion effects. *Journal of Experimental Psychology: Human Perception and Performance* 42:788-798
- Reeder RR, Stein T, Peelen MV (2016). Perceptual expertise improves category detection in natural scenes. *Psychonomic Bulletin & Review* 23:172-179
- Downing PE, Peelen MV (2016). Body selectivity in occipitotemporal cortex: causal evidence. *Neuropsychologia* 83:138-148
- Stein T, Peelen MV (2015). Content-specific expectations enhance stimulus detectability by increasing perceptual sensitivity. *Journal of Experimental Psychology: General* 144:1089-1104
- Bracci S, Caramazza A, Peelen MV (2015). Representational similarity of body parts in human occipitotemporal cortex. *Journal of Neuroscience* 35:12977-12985
 - Highlighted in: *Journal of Neuroscience* 36:265-267
- Wang X, Peelen MV, Han Z, He C, Caramazza A, Bi Y (2015). How visual is the visual cortex? Comparing connectional and functional fingerprints between congenitally blind and sighted individuals. *Journal of Neuroscience* 35:12545-12559
- Stein T, Kaiser D, Peelen MV (2015). Interobject grouping facilitates visual awareness. *Journal of Vision* 15:10:1-11
- Reeder RR, Perini F, Peelen MV (2015). Preparatory activity in posterior temporal cortex causally contributes to object detection in scenes. *Journal of Cognitive Neuroscience* 27:2117-2125
- Kaiser D, Stein T, Peelen MV (2015). Real-world spatial regularities affect visual working memory for objects. *Psychonomic Bulletin & Review* 22:1784-1790
- Wang X, Caramazza A, Peelen MV, Han Z, Bi Y (2015). Reading without speech sounds: VWFA and its connectivity in the congenitally deaf. *Cerebral Cortex* 25:2416-2426
- Hickey C, Kaiser D, Peelen MV (2015). Reward guides attention to object categories in real-world scenes. *Journal of Experimental Psychology: General* 144:264-273
- Reeder RR, van Zoest W, Peelen MV (2015). Involuntary attentional capture by task-irrelevant objects that match the search template for category detection in natural scenes. *Attention, Perception, & Psychophysics* 77:1070-1080
- Hickey C, Peelen MV (2015). Neural mechanisms of incentive salience in naturalistic human vision. *Neuron* 85: 512-518
 - Highlighted in: *Faculty of 1000*
- Kaiser D, Stein T, Peelen MV (2014). Object grouping based on real-world regularities facilitates perception by reducing competitive interactions in visual cortex. *Proceedings of the National Academy of Sciences USA* 111:11217-11222
- Perini F, Caramazza A, Peelen MV (2014). Left occipitotemporal cortex contributes to the discrimination of tool-associated hand actions: fMRI and TMS evidence. *Frontiers in Human Neuroscience* 8:591
- Peelen MV, Kastner S (2014). Attention in the real world: Toward understanding its neural basis. *Trends in Cognitive Sciences* 18:242-250

- Vangeneugden* J, Peelen* MV, Tadin D, Battelli L (2014). Distinct neural mechanisms for body form and body motion discriminations. *Journal of Neuroscience* 34:574-585
 - Highlighted in: *Frontiers in Psychology* 5:767
- Peelen* MV, He* C, Han Z, Caramazza A, Bi Y (2014). Nonvisual and visual object shape representations in occipitotemporal cortex: evidence from congenitally blind and sighted adults. *Journal of Neuroscience* 34:163-171
- Kaiser* D, Strnad* L, Seidl KN, Kastner S, Peelen MV (2014). Whole person-evoked fMRI activity patterns in human fusiform gyrus are accurately modelled by a linear combination of face- and body-evoked activity patterns. *Journal of Neurophysiology* 111:82-90
- Bracci S, Peelen MV (2013). Body and object effectors: the organization of object representations in high-level visual cortex reflects body-object interactions. *Journal of Neuroscience* 33:18247-18258
 - Highlighted in: *Journal of Neuroscience* 34: 3119-3121
- Munneke J, Brentari V, Peelen MV (2013). The influence of scene context on object recognition is independent of attentional focus. *Frontiers in Psychology* 4:552
 - Highlighted in: *Frontiers news briefs* August 20, 2013
- Reeder R, Peelen MV (2013). The contents of the search template for category-level search in natural scenes. *Journal of Vision* 13:1-13
- Peelen MV, Bracci S, Lu X, He C, Caramazza A, Bi Y (2013). Tool selectivity in left occipitotemporal cortex develops without vision. *Journal of Cognitive Neuroscience* 25:1225-1234
- Strnad L, Peelen MV, Bedny M, Caramazza A (2013). Multivoxel pattern analysis reveals auditory motion information in MT+ of both congenitally blind and sighted participants. *PLoS ONE*
- He C, Peelen MV, Han Z, Lin N, Caramazza A, Bi Y (2013). Selectivity for large nonmanipulable objects in scene-selective visual cortex does not require visual experience. *NeuroImage* 79:1-9
- Van Koningsbruggen MG, Peelen MV, Downing PE (2013). A causal role for the extrastriate body area in detecting people in real-world scenes. *Journal of Neuroscience* 33:7003-7010
- Peelen MV, Caramazza A (2012). Conceptual object representations in human anterior temporal cortex. *Journal of Neuroscience* 32:15728-15736
 - Highlighted in: *Journal of Neuroscience* 33:4213-4215
- Seidl* KN, Peelen* MV, Kastner S (2012). Neural evidence for distracter suppression during visual search in real-world scenes. *Journal of Neuroscience* 32:11812-11819
 - Highlighted in: *Faculty of 1000*
 - Highlighted in: *Journal of Neuroscience* 32:16539-16540
- Stein T, Sterzer P, Peelen MV (2012). Privileged detection of conspecifics: evidence from inversion effects during continuous flash suppression. *Cognition* 125:64-79
- Peelen MV, Romagno D, Caramazza A (2012). Independent representations of verbs and actions in left lateral temporal cortex. *Journal of Cognitive Neuroscience* 24: 2096-2107
- Stein T, Peelen MV, Sterzer P (2012). Eye gaze adaptation under interocular suppression. *Journal of Vision* 12:1-17
- Bracci S, Cavina-Pratesi C, Ietswaart M, Caramazza A, Peelen MV (2012). Closely overlapping responses to tools and hands in left lateral occipitotemporal cortex. *Journal of Neurophysiology* 107:1443-1456

- Van Koningsbruggen MG, Peelen MV, Davis E, Rafal RD (2012). Neural control of voluntary eye closure: a case study and an fMRI investigation of blinking and winking. *Behavioural Neurology* 25:103-109
- Peelen MV, Kastner S (2011). A neural basis for real-world visual search in human occipitotemporal cortex. *Proceedings of the National Academy of Sciences USA* 108:12125-12130
- Stein T, Senju A, Peelen MV, Sterzer P (2011). Eye contact facilitates awareness of faces during interocular suppression. *Cognition* 119:307-311
- Peelen MV, Kastner S (2011). Is that a bathtub in your kitchen? *Nature Neuroscience (News and Views)* 14:1224-1226
- Stein T, Peelen MV, Sterzer P (2011). Adults' awareness of faces follows newborns' looking preferences. *PLoS ONE* 6:e29361
- Willms JL, Shapiro KA, Peelen MV, Pajtas PE, Costa A, Moo LR, Caramazza A (2011). Language-invariant verb processing regions in Spanish-English bilinguals. *NeuroImage* 57:251-261
- Downing PE, Peelen MV (2011). The role of occipitotemporal body-selective regions in person perception. *Cognitive Neuroscience* 2:186-226
- Peelen MV, Atkinson AP, Vuilleumier P (2010). Supramodal representations of perceived emotions in the human brain. *Journal of Neuroscience* 30:10127-10134
 - Highlighted in: *Nature Reviews Neuroscience* 11:613
 - Highlighted in: *Journal of Neuroscience* 30:16417-16418
- Bach P, Peelen MV, Tipper SP (2010). On the role of object information in action observation: an fMRI study. *Cerebral Cortex* 20:2798-2809
- Peelen MV, Caramazza A (2010). What body parts reveal about the organization of the brain. *Neuron (Preview)* 68:331-333
- Willems RM, Peelen MV, Hagoort P (2010). Cerebral lateralization of face-selective and body-selective visual areas depends on handedness. *Cerebral Cortex* 20:1719-1725
- Peelen MV, Rogers J, Wing AM, Downing PE, Bracewell RM (2010). Unitary perception: integrating moving tactile inputs from anatomically adjacent and non-adjacent digits. *Experimental Brain Research* 204:457-464
- Bracci S, Ietswaart M, Peelen MV, Cavina-Pratesi C (2010). Dissociable neural responses to hands and non-hand body parts in human left extrastriate visual cortex. *Journal of Neurophysiology* 103:3389-3397
 - Highlighted in: *Faculty of 1000*
- Stein T, Peelen MV, Funk J, Seidl KN (2010). The fearful-face advantage is modulated by task demands: evidence from the attentional blink. *Emotion* 10:136-140
- Peelen MV, Fei-Fei L, Kastner S (2009). Neural mechanisms of rapid natural scene categorization in human visual cortex. *Nature* 460:94-97
 - Highlighted in: *Nature* 460:9
 - Highlighted in: *Nature NeuroPod* (June 2009)
 - Highlighted in: *Attention, Perception, & Psychophysics* 71:1203-1204
- Peelen MV, Glaser B, Vuilleumier P, Eliez S (2009). Differential development of selectivity for faces and bodies in the fusiform gyrus. *Developmental Science* 12:F16-25
- Peelen MV, Lucas N, Mayer E, Vuilleumier P (2009). Emotional attention in acquired prosopagnosia. *Social Cognitive and Affective Neuroscience* 4:268-277
- Peelen MV, Kastner S (2009). A nonvisual look at the functional organization of visual cortex. *Neuron (Preview)* 63:284-286
- Peelen* MV, Mruczek* RE (2008). Sources of spatial and feature-based attention in the human brain. *Journal of Neuroscience (Journal Club)* 28:9328-9329

- Peelen MV, Downing PE (2007). The neural basis of visual body perception. *Nature Reviews Neuroscience* 8:636-648
- Peelen MV, Atkinson AP, Andersson F, Vuilleumier P (2007). Emotional modulation of body-selective visual areas. *Social Cognitive and Affective Neuroscience* 2:274-283
- Morrison I, Peelen MV, Downing PE (2007). The sight of others' pain modulates motor processing in human cingulate cortex. *Cerebral Cortex* 17:2214-2222
- Pourtois G, Peelen MV, Spinelli L, Seeck M, Vuilleumier P (2007). Direct intracranial recording of body-selective responses in human extrastriate visual cortex. *Neuropsychologia* 45:2621-2625
- Downing PE, Wiggett AJ, Peelen MV (2007). fMRI investigation of overlapping lateral occipitotemporal activations using multi-voxel pattern analysis. *Journal of Neuroscience* 27:226-233
- Peelen MV, Downing PE (2007). Using multi-voxel pattern analysis of fMRI data to interpret overlapping functional activations. *Trends in Cognitive Sciences* 11:4-5
- Peelen MV, Wiggett AJ, Downing PE (2006). Patterns of fMRI activity dissociate overlapping functional brain areas that respond to biological motion. *Neuron* 49:815-822
- Downing PE, Chan AW, Peelen MV, Dodds CM, Kanwisher N (2006). Domain specificity in visual cortex. *Cerebral Cortex* 16:1453-1461
- Downing PE, Peelen MV, Wiggett AJ, Tew BD (2006). The role of the extrastriate body area in action perception. *Social Neuroscience* 1:52-62
- Peelen MV, Downing PE (2005). Selectivity for the human body in the fusiform gyrus. *Journal of Neurophysiology* 93:603-608
 - Highlighted in: https://en.wikipedia.org/wiki/Fusiform_body_area
- Peelen MV, Downing PE (2005). Within-subject reproducibility of category-specific visual activation with functional MRI. *Human Brain Mapping* 25:402-408
- Peelen MV, Downing PE (2005). Is the extrastriate body area involved in motor actions? *Nature Neuroscience* 8:125-126
- Peelen MV, Heslenfeld DJ, Theeuwes J (2004). Endogenous and exogenous attention shifts are mediated by the same large-scale neural network. *NeuroImage* 22:822-830
- Chan AW, Peelen MV, Downing PE (2004). The effect of viewpoint on body representation in the extrastriate body area. *NeuroReport* 15:2407-2410