

Curriculum Vitae

Serge O. Dumoulin

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Contact Information

Experimental Psychology
Utrecht University
Heidelberglaan 2
3584 CS, Utrecht
The Netherlands

Ph: +31 30 253-3824
Ph (secr): +31 30 253-4281
Fax: +31 30 253-4511
Web: sergedumoulin.net
Email: S.O.Dumoulin@uu.nl

Education & Academic Positions

Utrecht University Utrecht, Netherlands
Assistant Professor Cognitive Neuroscience
Helmholtz Institute & Experimental Psychology 2008–present

Stanford University Stanford, USA
Visiting Scholar, Psychology 2010

Stanford University Stanford, USA
Post-Doctoral Research Fellow, Psychology 2005–2008
Advisor: Dr. BA Wandell.

McGill University Montréal, Canada
Post-Doctoral Research Fellow, Ophthalmology 2003–2005
Advisor: Dr. RF Hess.

McGill University Montréal, Canada
Ph.D., *Dean's Honour List*, Neurology and Neurosurgery 1998–2003
Advisors: Drs. CL Baker Jr, AC Evans, RF Hess.
Thesis: Motion mechanisms and cortical areas in human vision: psychophysics and fMRI.

Utrecht University Utrecht, Netherlands
M.Sc., *Cum Laude* [Dean's Honour List], Biology 1992–1998
Advisors: Drs. AC Evans (McGill), WA van de Grind, RJA van Wezel.
Thesis(2): Quantification of the variability of human area V5/MT in relation to the sulcal pattern in the parieto-temporo-occipital cortex: a new anatomical landmark.
Thesis(1): Spatial and temporal correlation properties of visual motion detection of cats and humans: electrophysiology and psychophysics.

Honours & Awards

Ph.D., **Dean's Honour List** (2003) McGill University, Montréal, Canada.
McGill Day Prize for best presentation (2002) Montréal, Canada.
McGill Day Prize for best presentation (2001) Montréal, Canada.
M.Sc., **Cum Laude** [Dean's Honour List] (1998) Utrecht University, Utrecht, Netherlands.

Grants**Research grants**

Pooling and prediction in early visual cortex 2010–2014

Cornelissen FW (PI), Dumoulin SO

Brain and Cognition: an integrated approach

Netherlands Organization for Scientific Research, Den Haag, Netherlands

*Causal link between cortical organization and conscious perception:
human fMRI and electrophysiology* 2010–2011

Dumoulin SO (PI), Ramsey NF, Leijten FSS, van Zandvoort MJE, Dijkerman HC, Petridou N, Harvey BM

Neuroscience and Cognition Utrecht

Utrecht University, Utrecht, Netherlands

Eye-movements in patients with macular degeneration 2010–2011

Van der Stigchel S (PI), Nijboer T, Dumoulin SO

UitZicht – cooperation of funds for people with visual impairment, Utrecht, Netherlands

Visual perception: neural mechanisms of inference 2009–2014

Dumoulin SO (PI)

Innovational Research Incentives Scheme Vidi

Netherlands Organization for Scientific Research, Den Haag, Netherlands.

Computational neuroimaging: quantitative models of human visual neurons 2009–2013

Dumoulin SO (PI)

Marie Curie International Reintegration Grant

7th Research Framework Programme, European Union

Fellowship grants

Cortical plasticity and reading in age-related macular degeneration 2005–2008

Larry L Hillblom Foundation Fellowship, Petaluma, USA.

Cortical plasticity and reading in age-related macular degeneration 2005–2007

Bio-X Interdisciplinary Postdoctoral Fellowship, Stanford, USA.

[Declined to accept LLHF Fellowship]

Scholarship grants

Two consecutive grants funded my M.Sc. research at McGill University. 1997–1998

Stichting Dondersfonds, Utrecht, Netherlands

| | | |
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| Advisor | Post-Doctoral Research Fellows | |
| | <i>Dr. BM Harvey</i> (Oxford University) | 2009–present |
| | Experimental Psychology, Utrecht University, Utrecht, Netherlands | |
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| | Ph.D. Students | |
| | <i>Ms. W Zuiderbaan, M.Sc.</i> | 2010–present |
| | Experimental Psychology, Utrecht University, Utrecht, Netherlands | |
| | M.Sc. Students | |
| | <i>Mr. M Vermaas</i> | 2008–2011 |
| | Neuroscience and Cognition, Utrecht University, Utrecht, Netherlands | |
| | <i>Best MSc poster presentation</i> (2009) Dutch Endo–Neuro–Psycho meeting | |
| | <i>Mr. M Barendregt</i> | 2009–2010 |
| | Neuroscience and Cognition, Utrecht University, Utrecht, Netherlands | |
| | <i>Dr. FP Fischer Prize</i> (2011) best thesis in Medical and Biomedical Sciences | |
| | <i>Ms. W Zuiderbaan</i> | 2009–2010 |
| | Cognitive Artificial Intelligence, Utrecht University, Utrecht, Netherlands | |
| | B.Sc. Students & Internships | |
| | <i>Mr. B Klein</i> | 2010–2011 |
| | Psychology, Utrecht University, Utrecht, Netherlands | |
| | <i>Ms. C Turcotte</i> | 2001 |
| | Ophthalmology, McGill University, Montréal, Canada | |

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| Teaching Experience | <p>Portfolio <i>Basic University Teaching Qualification</i> 2010 Utrecht University, Utrecht, Netherlands</p> <p>Courses <i>Practicum Cognitive Neuroscience</i> [3x] 2009–2011 Utrecht University, Utrecht, Netherlands</p> <p><i>Methods in Perception</i> 2011 Utrecht University, Utrecht, Netherlands</p> <p><i>Cognitive Neuroscience I</i> 2010 University College Utrecht, Utrecht, Netherlands</p> <p><i>Advanced Cognitive Neuroscience: Imaging Human Brain Functions</i> 2009 University College Utrecht, Utrecht, Netherlands</p> <p><i>Cognitive Neuroscience II</i> [3x] 2008–2009 University College Utrecht, Utrecht, Netherlands</p> <p><i>Workshop Research Methods</i> 2009 Summerschool Rudolf Magnus Institute, Apeldoorn, Netherlands</p> <p>Guest lectures <i>Current Issues in Clinical Neuroscience: Advances in Brain MRI</i> 2011 University Medical Center Utrecht, Utrecht, Netherlands</p> <p><i>Neurobiology</i> 2011 Utrecht University, Utrecht, Netherlands</p> <p><i>Fundamentals fMRI / matlab / EEG</i> [2x] 2009–2010 Utrecht University, Utrecht, Netherlands</p> <p><i>Introductory Course Neuroscience and Cognition</i> [2x] 2008–2009 Rudolf Magnus Institute / Helmholtz Institute / Utrecht Institute of Linguistics OTS Utrecht, Netherlands</p> <p><i>Advanced Cognitive Neuroscience: Visual Perception and Neuroimaging</i> 2008 University College Utrecht, Utrecht, Netherlands</p> <p><i>Sensory Systems</i> 2008 Helmholtz Institute, Utrecht, Netherlands</p> <p><i>Computational Neuroimaging</i> 2007 Stanford University, Stanford, USA</p> <p><i>Brain Imaging Methods</i> 2002 McGill University, Montréal, Canada</p> <p>Teaching assistant <i>Circuitry of the Human Brain (Neuroanatomy)</i> [2x] 1997–1998 McGill University, Montréal, Canada</p> <p><i>Statistics</i> [3x] 1993–1995 Utrecht University, Utrecht, Netherlands</p> <p><i>Advanced Statistics</i> 1994 Utrecht University, Utrecht, Netherlands</p> <p>High school classes <i>Biology and Mathematics</i> 1996 Part of Utrecht University course “Orientation to the teaching profession” Dingstede, Meppel, Netherlands</p> |
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Impact of Publications **Citation metrics**

H-index: 13. Average citations per article: 25. Highest cited article: 190.

Highlighted work

Article #27 (2011): "Recommended" in *Faculty of 1000 Biology*.

Article #18 (2008): "Recommended" in *Faculty of 1000 Biology*.

Article #18 (2007): "Recommended" in *Faculty of 1000 Biology*.

Article #10 (2006): Commentary in *Current Biology*.

Press coverage

Standen A (2010) Teaching the brain to see. *KQED: Radio Report*. March 1.

Standen A (2010) Reporter's Notes: Can you teach a brain to see? *KQED: QUEST Community Science Blog*. February 26.

Gorlick A (2010) Stanford scientists link brain development to chances of recovering vision after blindness. *Stanford Report*. January 13.

Kindermans G (2009) Zien op allerlei niveaus [Seeing on different levels] *De Psycholoog*. September. 44:455.

Brascamp J, van der Kooij K, Struiksma M (2008) Getting to know more from the fMRI signal. *Helmholtz Herald*. 3.

Hardman H (2006) Beyond 'blur': image quality shapes eye growth, but limited criteria apply. *Medical News Today*. April 6.

Methods are used at (in publications):

McGill University, Montréal, Canada

Nanjing University, Nanjing, China

Forschungszentrum Jülich, Jülich, Germany

Budapest University, Budapest, Hungary

Maeda Ophthalmic Clinic, Aizuwakamatsu, Japan

University of Groningen, Groningen, Netherlands

Utrecht University, Utrecht, Netherlands

Aston University, Birmingham, UK

University of York, York, UK

Baylor College of Medicine, Houston, USA

Boston University, Boston, USA

Stanford University, Stanford, USA

University of California, Berkeley, USA

University of California, Irvine, USA

University of California, Los Angeles, USA

University of Texas, Austin, USA

Invited Talks**Conferences & Meetings**

German Neuroscience Society Meeting (2011) Göttingen, Germany.
Vision Sciences Japan Meeting (2011) Tokyo, Japan.
Organization for Human Brain Mapping Meeting (2010) Barcelona, Spain.
Larry L Hillblom Foundation Annual Scientific Sessions (2008) Newport Beach, USA.
Optical Society of America Fall Vision Meeting (2008) Rochester, USA.
Dutch Society for Psychonomics (1998) Utrecht, Netherlands.

Universities & Scientific Institutes

Research Institute of Electrical Communication, *Tohoku University* (2011) Sendai, Japan.
Dept. of Psychology, *Kyoto University* (2011) Kyoto, Japan.
Dept. of Neuroinformatics, *ATR* (2011) Kyoto, Japan.
Riken Brain Science Institute (2011) Tokyo, Japan.
Dept. of Complexity Science and Engineering, *University of Tokyo* (2011) Tokyo, Japan.
Dept. Psychology, *Stanford University* (2010) Stanford, USA.
Smith-Kettlewell Eye Research Institute (2010) San Francisco, USA.
Centre for Vision Research, *York University* (2010) Toronto, Canada.
Dept. of Psychology, *University of Leuven* (2010) Leuven, Belgium.
McGill Vision Research Centre, *McGill University* (2009) Montréal, Canada.
Maastricht Brain Imaging Centre, *Maastricht University* (2009) Maastricht, Netherlands.
Dept. of Cognitive Sciences, *University of California, Irvine* (2008) Irvine, USA.
Functional Neurobiology, *Utrecht University* (2008) Utrecht, Netherlands.
Rudolf Magnus Institute, *University Medical Center Utrecht* (2008) Utrecht, Netherlands.
Netherlands Organization for Scientific Research (2008) Utrecht, Netherlands.
Neuroimaging Centre, *University of Groningen* (2007) Groningen, Netherlands.
Dept. of Ophthalmology, *University of Groningen* (2007) Groningen, Netherlands.
Neuroscience Institute at Stanford, *Stanford University* (2007) Stanford, USA.
McConnell Brain Imaging Centre, *McGill University* (2005) Montréal, Canada.
Dept. of Psychology, *Birmingham University* (2005) Birmingham, UK.
School of Applied Psychology, *Griffith University* (2004) Brisbane, Australia.
Netherlands Organization for Scientific Research (2004) Utrecht, Netherlands.
Dept. of Psychology, *Aston University* (2004) Birmingham, UK.
Dept. of Biomedical Engineering, *Boston University* (2003) Boston, USA.

**Peer-Reviewed
Articles**

28. Vaina LM, **Dumoulin SO** (2011) Neuropsychological evidence for three distinct motion mechanisms. *Neuroscience Letters*. 495: 102–106.
27. Masuda Y, Horiguchi H, **Dumoulin SO**, Furuta A, Miyauchi, Nakadomari S, Wandell BA (2010) Task-dependent V1 responses in human retinitis pigmentosa. *Investigative Ophthalmology and Visual Science*. 51: 5356–5364.
- Evaluation:** Wittich W, Overbury O (2011) “Recommended” New Finding. *Faculty of 1000*: f1000.com/9582972.
26. Barnes GR, Li X, Thompson BS, Singh KD, **Dumoulin SO**, Hess RF (2010) Decreased grey matter density in the lateral geniculate nuclei of human amblyopes. *Investigative Ophthalmology and Visual Science*. 51: 1432–1438.
25. Prakash S, **Dumoulin SO**, Fischbein N, Wandell BA, Liao YP (2010) Congenital achiasma and infantile see-saw nystagmus in a patient with VACTERL. *Journal of Neuro-Ophthalmology*. 30: 45–48.
24. Levin N, **Dumoulin SO**, Winawer J, Dougherty RF, Wandell BA (2010) Cortical maps and white matter tracts following long period of visual deprivation and retinal image restoration. *Neuron*. 65: 21–31.
23. Amano K, Wandell BA, **Dumoulin SO** (2009) Visual field maps, population receptive field sizes, and visual field coverage in the human MT+ complex. *Journal of Neurophysiology*. 102: 2704–2718.
22. Mullen KT, **Dumoulin SO**, Hess RF (2008) Color responses of the human LGN: Selective amplification of the S-cone color signal between the LGN and primary visual cortex measured with high-field fMRI. *European Journal of Neuroscience*. 18: 1911–1923.
21. Masuda Y, **Dumoulin SO**, Nakadomari S, Wandell BA (2008) V1 projection zone signals in human macular degeneration depend on task, not stimulus. *Cerebral Cortex*. 18: 2483–2493.
20. **Dumoulin SO**, Dakin SC, Hess RF (2008) Sparsely distributed contours dominate extra-striate responses to complex scenes. *NeuroImage*. 42: 890–901.
19. Lee JH, **Dumoulin SO**, Saritas EU, Glover GH, Wandell BA, Nishimura DG, Pauly JM (2008) Full-brain coverage and high-resolution imaging capabilities of passband b-SSFP fMRI at 3T. *Magnetic Resonance in Medicine*. 59: 1099–1110.
18. **Dumoulin SO**, Wandell BA (2008) Population receptive field estimation using fMRI. *NeuroImage*. 39: 647–660.
- Evaluation:** Trachtenberg J (2008) “Recommended” Technical Advance. *Faculty of 1000*: f1000.com/1095861.
- Evaluation:** Hyvärinen A (2007) “Recommended” Technical Advance. *Faculty of 1000*: f1000.com/1095861.
- Press coverage:** Brascamp J, van der Kooij K, Struiksma M (2008) Getting to know more from the fMRI signal. *Helmholtz Herald*. 3.
17. **Dumoulin SO**, Jirsch JD, Bernasconi A (2007) Functional organization of human visual cortex in occipital polymicrogyria. *Human Brain Mapping*. 28: 1302–1312.
16. Wandell BA, **Dumoulin SO**, Brewer AA (2007) Visual field maps in human cortex. *Neuron*. 56: 366–383.
15. **Dumoulin SO**, Hess RF (2007) Cortical specialization for concentric shape processing. *Vision Research*. 47: 1608–1613.
14. Li X, **Dumoulin SO**, Mansouri B, Hess RF (2007) The fidelity of the cortical retinotopic map in human amblyopia. *European Journal of Neuroscience*. 25: 1265–1277.
13. Li X, **Dumoulin SO**, Mansouri B, Hess RF (2007) Cortical deficits in human amblyopia: their regional distribution and their relationship to the contrast detection deficit. *Investigative Ophthalmology and Visual Science*. 48: 1568–1591.

12. Mullen KT, **Dumoulin SO**, McMahon KL, De Zubicaray GI, Hess RF (2007) Selectivity of human retinotopic visual cortex to S cone opponent, L/M cone opponent, and achromatic stimulation. *European Journal of Neuroscience*. 25: 491–502.
11. **Dumoulin SO**, Hess RF (2006) Modulation of V1 activity by shape: image-statistics or shape-based perception? *Journal of Neurophysiology*. 95: 3654–3664.
10. Hess RF, Schmid KL, **Dumoulin SO**, Field DJ, Brinkworth DR (2006) What image properties regulate eye growth? *Current Biology*. 16: 687–691.
Commentary: Schaeffel F (2006) Myopia: the importance of seeing fine detail. *Current Biology*. 16: R257–R259.
Press coverage: Hardman H (2006) Beyond 'blur': image quality shapes eye growth, but limited criteria apply. *Medical News Today*. April 6.
9. **Dumoulin SO**, Baker CL Jr, Hess RF, Evans AC (2003) Cortical specialization for processing first- and second-order motion. *Cerebral Cortex*. 13: 1375–1385.
8. Hess RF, Barnes G, **Dumoulin SO**, Dakin SC (2003) How many positions can we perceptually encode: one or many? *Vision Research*. 43: 1575–1587.
7. **Dumoulin SO**, Hoge RD, Baker CL Jr, Hess RF, Achtman RL, Evans AC (2003) Automatic volumetric segmentation of human visual retinotopic cortex. *NeuroImage*. 18: 576–587.
6. **Dumoulin SO**, Baker CL Jr, Hess RF (2001) Centrifugal bias for second-order but not first-order motion. *Journal of the Optical Society of America A*. 18: 2179–2189.
5. Barnes GR, Hess RF, **Dumoulin SO**, Achtman RL, Pike GB (2001) The cortical deficit in strabismic amblyopia. *The Journal of Physiology*. 533: 281–297.
4. **Dumoulin SO**, Bittar RG, Kabani NJ, Baker CL Jr, Le Goualher G, Pike GB, Evans AC (2000) A new anatomical landmark for reliable identification of human area V5/MT: A quantitative analysis of sulcal patterning. *Cerebral Cortex*. 10: 454–463.
3. Bittar RG, Ptito A, **Dumoulin SO**, Andermann F, Reutens DC (2000) Reorganization of the visual cortex in callosal agenesis and colpocephaly. *Journal of Clinical Neuroscience*. 7: 13–15.
2. Bittar RG, Ptito M, Faubert J, **Dumoulin SO**, Ptito A (1999) Activation of the remaining hemisphere following stimulation of the blind hemifield in hemispherectomized subjects. *NeuroImage*. 10: 339–346.
1. Bittar RG, Andermann F, Olivier A, Dubeau F, **Dumoulin SO**, Pike GB, Dureza RC, Reutens DC (1999) Interictal spikes increase cerebral glucose metabolism and blood flow: a PET study. *Epilepsia*. 40: 170–178.

Book Chapters & Invited Articles

5. **Dumoulin SO** (accepted) Functional MRI of the visual system. In: K Uğurbil, K Uludağ, LJ Berliner (eds) *fMRI: from nuclear spins to brain function*.
4. **Dumoulin SO** (2011) Reconstructing human population receptive field properties. *Vision: the journal of the vision society of Japan*. 23: 41–45.
3. Wandell BA, **Dumoulin SO**, Brewer AA (2009) Visual cortex in humans. In: LR Squire (ed) *Encyclopedia of Neuroscience*. Vol. 10: pp. 251–257. Oxford: Academic Press.
2. Wandell BA, **Dumoulin SO**, Brewer AA (2006) Computational neuroimaging: color signals in the visual pathways. *Neuro-Ophthalmology Japan*. 23: 324–343.
1. Van Wezel RJA, **Dumoulin SO** (2001) Van neuron tot cortex: de structuur van het brein [From neuron to cortex: the structure of the brain]. In: F Wijnen & FAJ Verstraten (eds) *Het brein te kijk: een verkenning van de cognitieve neurowetenschap*. Lisse: Zwets & Zeitlinger, pp. 25–38.

**Peer-Reviewed
Conference Abstracts
Selected for a Talk**

23. Ress D, Greene C, **Dumoulin SO**, **Harvey BM** (2011) Tomographic measurement of population receptive fields in early visual cortex *J. Vision*. 54.12. [Vision Sciences Society]
22. **Dumoulin SO**, Hess RF, **Harvey BM**, May KA (2010) Measuring contour integration mechanisms using fMRI. *Soc. Neurosci. Abstr.* 531.9. [Society for Neuroscience]
21. **Harvey BM**, **Dumoulin SO** (2010) Motion integration receptive field effects in human fMRI. *Soc. Neurosci. Abstr.* 325.11. [Society for Neuroscience]
20. **Zuiderbaan W**, Ress D, **Harvey BM**, Greene CA, **Dumoulin SO** (2010) Modeling center-surround configurations in population receptive fields using fMRI. *Soc. Neurosci. Abstr.* 325.10. [Society for Neuroscience]
19. Greene CM, **Dumoulin SO**, **Harvey BM**, Ress D (2010) Tomographic characterization of population receptive fields in early visual cortex. *Soc. Neurosci. Abstr.* 325.9. [Society for Neuroscience]
18. **Harvey BM**, **Dumoulin SO** (2009) Does the increase in population receptive field size with eccentricity complement the decrease in cortical magnification factor? *Soc. Neurosci. Abstr.* 602.1. [Society for Neuroscience]
17. **Dumoulin SO**, Levin N, Masuda Y, Horiguchi H, Dougherty RF, Prakash S, Liao YJ, Wandell BA (2009) Interleaved left and right hemifield representations in a subject without an optic chiasm. *Soc. Neurosci. Abstr.* 215.5. [Society for Neuroscience]
16. Sayres R, Weiner K, **Dumoulin SO**, Wandell BA, Grill-Spector K. (2009) Population receptive field measurements in human category-selective cortex. *J. Vision*. 9(8): 734a. [Vision Sciences Society]
15. **Dumoulin SO**, Amano K, Wandell BA (2008) Quantitative population receptive field estimates in human visual cortex. *J. Vision*. 8(17): 35. [OSA Fall Vision Meeting]
14. Levin N, **Dumoulin SO**, Dougherty RF, Wandell BA (2008) Visual field map and white matter tract reorganization following recovery from long-term visual deprivation. *Soc. Neurosci. Abstr.* 16.8. [Society for Neuroscience]
13. **Dumoulin SO**, Masuda Y, Horiguchi H, Dougherty RF, Prakash S, Liao YJ, Wandell BA (2008) Visual field maps in a subject without an optic chiasm. *Perception*. 37: S44. [European Conference on Visual Perception]
12. Amano K, Wandell BA, **Dumoulin SO** (2008) The visual field maps in the human MT+ complex. *J. Vision*. 8(6): 63a. [Vision Sciences Society]
11. Mullen K, **Dumoulin SO**, Hess R (2007) Color processing in the human LGN and cortex measured with fMRI. *J. Vision*. 7(15): 4a. [OSA Fall Vision Meeting]
10. Masuda Y, **Dumoulin SO**, Nakadomari S, Wandell BA (2007) V1 projection zone signals in human macular degeneration depend on task, not stimulus. *Soc. Neurosci. Abstr.* 451.10. [Society for Neuroscience]
9. Lee JH, **Dumoulin SO**, Glover GH, Wandell BA, Nishimura DG, Pauly JM (2007) Full-brain coverage and high-resolution imaging capabilities of passband SSFP fMRI at 3T. *Proc. 15th Int. Soc. Magn. Reson. Med.* 694. [International Society for Magnetic Resonance in Medicine]
8. **Dumoulin SO**, Brewer AA, Ben-Shachar M, Dougherty RF, Wandell BA (2006) Cortical visual population receptive field estimation using fMRI. *Soc. Neurosci. Abstr.* 114.3. [Society for Neuroscience]
7. Mullen KT, **Dumoulin SO**, McMahan KL, Bryant M, De Zubicaray GI, Hess RF (2005) A comparison of the BOLD fMRI response to achromatic, L/M opponent and S-cone opponent cardinal stimuli in human visual cortex: I. perceptually matched vs contrast matched stimuli. *J. Vision*. 5(8): 95. [Vision Sciences Society]
6. **Dumoulin SO**, Dakin SC, Hess RF (2004) FMRI responses to energy, contours, texture and sparseness in visual stimuli. *Soc. Neurosci. Abstr.* 713.10. [Society for Neuroscience]

5. **Dumoulin SO**, Dakin SC, Hess RF (2004) Cortical responses to contours, texture and sparseness: an fMRI investigation. *J. Vision*. 4(8): 14. [Vision Sciences Society]
4. **Dumoulin SO**, Baker CL Jr, Hess RF, Evans AC (2002) Cortical specialization for processing first- and second-order motion in parietal and occipital lobe: an fMRI study. *Soc. Neurosci. Abstr.* 219.1. [Society for Neuroscience]
3. **Dumoulin SO**, Hess RF, Baker CL Jr, Evans AC (2001) FMRI responses to first and second-order motion. *Invest. Ophthalmol. Vis. Sci.* 42(4): S322. [Association for Research in Vision and Ophthalmology]
2. Bohbot VD, **Dumoulin SO**, Petrides M, Allen JJB, Evans AC, Dagher A (2000) Experience dependent modulation of medial temporal lobe fMRI activity. *NeuroImage*. 11(5): S367. [Organization for Human Brain Mapping]
1. **Dumoulin SO**, Hoge RD, Achtman RL, Baker CL Jr, Hess RF, Evans AC (2000) Volumetric retinotopic mapping without cortical surface reconstruction. *NeuroImage*. 11(5): S613. [Organization for Human Brain Mapping]

Other Academic Activities

- Review Editor: Frontiers in Perception Science
- Organization: **Workshop:** Schira MM, Dumoulin SO (2010) Retinotopic Mapping: Techniques, Current Concepts and Research Trends. *Organization for Human Brain Mapping*, Barcelona, Spain.
- Ad Hoc Reviewer: **Journals:** Cerebral Cortex, Frontiers in Perception Science, Human Brain Mapping, Journal of Experimental Psychology: Human Perception and Performance, Journal of Neurophysiology, Journal of Neuropsychology, Journal of Statistical Software, Journal of the Optical Society of America, Journal of Vision, NeuroImage, Neuroscience Letters, PLoS Computational Biology, Science, Vision Research.
Conferences: Organization for Human Brain Mapping.
Organizations: The Research Foundation – Flanders.
- Released Software: **pRF toolbox** (2007) A free set of MatLab functions to reconstruct population receptive field properties. It is distributed as part of the VISTA software. [see article nr. 18]
COBRA package (2003) A free MatLab toolbox to automatically segment early visual areas. [see article nr. 7]

References

Available upon request.