

Curriculum vitae

Dr. Jacob Jolij (28-02-1979, Groenlo, NL)
Department of Experimental Psychology
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Work Experience

2008 – present	Assistant professor , University of Groningen (permanent position)
2006 – 2008	Assistant professor , University of Exeter (permanent position)
2006	Postdoc , Swiss Federal Institute of Technology, Lausanne <i>Supervisor: Prof Michael Herzog</i>
2002 – 2005	Ph.D. student , University of Amsterdam (salaried position) <i>Supervisor: Prof Victor Lamme</i>
2003 – 2005	Lecturer , University of Amsterdam
2001 – 2002	Research assistant , Academic Medical Centre Amsterdam <i>Supervisors: Prof Henk Spekreijse, Prof Victor Lamme</i>

Education and Qualifications

2011	University Teaching Qualification ('Basiskwalificatie Onderwijs'), University of Groningen
2009	Ph.D., Psychology, University of Amsterdam
2007	Recruitment and Selection Training, University of Exeter
2001	M.A., Cognitive and Biological Psychology, University of Amsterdam
1999	Basic presentation skills training, University of Amsterdam

Computer Skills

Operating systems:	Windows (XP, Vista, 7, 8, 10), Mac OS X, Linux, Unix, MS-DOS (4 – 7)
Programming:	C, C++, Pascal, Delphi, Java, Python, Xojo, Matlab, 80x86 machine language
Software:	All major Office suites, psychological experimentation software (Presentation, Open Sesame, E-Prime, Psychtoolbox), neuroimaging analysis software (Brainvision Analyzer, BrainVoyager, ASALab, Fieldtrip, EEGLab)

Languages

Dutch (native), Lower Saxon (native), English (level C1), German (level B2), French (level A1)

Research

Research supervision

I have supervised over 60 Bachelor's theses, and 50 Master's thesis – over 10 of these students are presently working on or have obtained their PhD degrees. Moreover, I co-supervised two PhD students, three research assistants, and am presently (co)supervisor of three PhD students, two research assistants, and two research master students.

Reviewing and editorial activities

Editorships

- Review editor, *Frontiers in Theoretical and Philosophical Psychology*, 2015 – present
- Associate editor, *Frontiers in Emotion Science*, 2011 – 2013
- Associate editor, *Frontiers in Integrative Neuroscience*, 2011-2012 (research topic)

Reviewer for

- *Journals*: Attention, Perception and Psychophysics, Brain and Behavior, Cogent Humanities, European Journal of Neuroscience, International Journal of Psychophysiology, Journal of Cognitive Neuroscience, Journal of Cognitive Psychology, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Human Perception and Performance, Perception, PLoS ONE
- *Publishers*: Palgrave MacMillan, WW Norton
- *Grant agencies*: NWO (NL), Medical Research Council (UK), Research Grants Council Hong Kong

Professional societies

Member of the Scientific Board of the Dutch Society of Psychical Research

Member of the Vision Sciences Society (VSS)

Member of the Board of the Dutch Psychonomic Society (NVP)

Chair of Heymans Group for Anomalous Cognition Research

Awards and Grants

2016	EUR 9,100 , Faculty Support Grant, University of Groningen (principal investigator)
2015	EUR 101,000 , PhD Fund for Teachers, NWO (as supervisor of Mr Erik Schoppen)
2013	EUR 120,000 , BCN-Brain Fund, University of Groningen (as co-supervisor of Ms. Annika Luckmann)
2010	EUR 26,500 , Police and Science Grant for research on Deception Detection (principal investigator)
2007	GBP 71,250 (approx. EUR 105,000, 2007 exchange rate), ESRC 1+3 PhD Scholarship (as supervisor of Ms Hannah Filmer)
2006	EUR 140,000 , NWO Medium Investment Grant for a TMS Laboratory (co-applicant)
2005	EUR 1,500 , NWO-MaGW Travel Grant
2005	EUR 500 , A.F. Sanders Prize for best paper, Graduate School for Experimental Psychology (EPOS)

Publications and outreach

International (refereed) journals

NB – from 2012 – 2014 there is a publication hiatus as a result of personal (family) circumstances.

Heinen, K., **Jolij, J.**, & Lamme, V.A.F. (2005). Two temporally distinct periods of activity in V1 are required for figure-ground segregation: a TMS study. *Neuroreport*, **16**, 1483-1487. (shared first authorship)

Hoogeveen, H.R., **Jolij, J.**, Ter Horst, G., & Lorist, M.M. (2016). Brain potentials highlight stronger implicit food memory for taste than for health and context associations. *PLOS One*, **11**, e0154128.

Jolij, J., & Bierman, D.J. (in press). Testing the potential paradoxes in “retrocausal” phenomena. *Proceedings of the AAAS Symposium on Quantum Retrocausation III*.

Jolij, J., Huisman, D., Scholte, H.S., Hamel, R., Kemner, C., & Lamme, V.A.F. (2007). Processing speed in recurrent visual network correlates with general intelligence. *Neuroreport*, **18**, 39-43.

Jolij, J., & Lamme, V.A.F. (2005). Repression of unconscious information by conscious processing: evidence from affective blindsight induced by transcranial magnetic stimulation. *Proceedings of the National Academy of Sciences of the USA*, **102**, 10747-10751.

Jolij, J., & Lamme, V.A.F. (2010). Transcranial magnetic stimulation-induced ‘visual echoes’ are generated in early visual cortex. *Neuroscience Letters*, **484**, 178-181.

Jolij, J. & Meurs, M. (2011). Music alters visual perception. *PLoS One*, **6**, e18861.

Jolij, J., Meurs, M. & Haitel, E. (2012). Who sees what’s not there? Individual differences in the neural correlates of illusory perception. *Communicative and Integrative Biology*, **1**, 764-767.

Jolij, J., Scholte, H.S., Van Gaal, S., Hodgson, T.L., & Lamme, V.A.F. (2011). Act quickly, decide later: long latency visual evoked potentials reflect perceptual decisions. *Journal of Cognitive Neuroscience*, **23**, 3734-3745.

Lewis Evans, B., De Waard, D., **Jolij, J.**, Brookhuis, K.A. (2012). What you not see might slow you down anyway: Masked images and driving. *PLoS One*, e29857.

Lorist, M.M., **Jolij, J.** (2012). Trial history effects in Stroop task performance are independent of top-down control. *PLoS One*, **7**, e39802.

Scharnowski, F., Rüter, J., **Jolij, J.**, Hermens, F., Kammer, T., & Herzog, M.H. (2009). Long lasting feature modulation by transcranial magnetic stimulation. *Journal of Vision*, **8**, 1-10.

Scholte, H.S., **Jolij, J.**, Fahrenfort, J.J., & Lamme, V.A.F. (2008). Feedforward and recurrent processing in scene segmentation: EEG and fMRI. *Journal of Cognitive Neuroscience*, **20**, 2097-2109.

Yaple, Z., Vakhrushev, R., & **Jolij, J.** (in press). Investigating emotional top-down modulation of ambiguous faces by single-pulse TMS on early visual cortices. *Frontiers in Neuroscience*.

National (refereed) journals

- Jolij, J.** (2005). De primaire visuele schors: nieuwe inzichten door transcраниële magnetische stimulatie. [Primary visual cortex: new insights from transcranial magnetic stimulation. Review in Dutch] *Neuropraxis*, **13**, 44-48.
- Jolij, J.** (2012). 'Hot cognition' en 'social vision': de interactie tussen sociaal-affectieve processen en inferentie in visuele waarneming. [Hot cognition and social vision: the interaction between social-affective processes and inference in visual perception. Review in Dutch] *Neuropraxis*.
- Jolij, J.** (2013). De onbewuste leugendetector. [The Unconscious Lie Detector. Review in Dutch]. *Nederlands Tijdschrift voor Parapsychologie en Bewustzijns onderzoek*.
- Jolij, J.** (2013). Kunst en neurowetenschap. [Art and Neuroscience. Review in Dutch]. *Nederlands Tijdschrift voor Parapsychologie en Bewustzijns onderzoek*.
- Jolij, J.** (2015). De cognitieve ergonomie van het digitale dossier. [Cognitive ergonomics of the digital case file. Review in Dutch]. *Tijdschrift voor de Rechterlijke Macht [Journal for Magistrature]*, **38**, 240-244.
- Jolij, J.** (2016). Bewustzijns onderzoek – een inleiding. [Consciousness Research – An Introduction]. *Nederlands Tijdschrift voor Parapsychologie en Bewustzijns onderzoek*.
- Jolij, J.** (2016). Gebruikerservaring, 'cognitive engineering', en het digitale dossier. [User experience, cognitive engineering, and the digital case file]. *Tijdschrift voor de Rechterlijke Macht [Journal for Magistrature]*, **39**, 120-125.

Books, or contributions to books

- Johnson, A., Toffanin, P., **Jolij, J.**, Sarampalis, A. (2013). The working brain. In: Johnson and Proctor (eds). *Neuroergonomics: cognitive neuroscience approaches to ergonomics and human factors*. Palgrave MacMillan, Basingstoke (UK).
- Jolij, J.** (2008). From affective blindsight to affective blindness: when cortical processing suppresses subcortical information. In: Columbus, F. (ed.) *Neural Pathways: New research*, pp 205-208. Nova Science Publishers, New York (NY).
- Jolij, J.** (2013). *Hoe een angsthaas een jokkebrok vangt*. (How scarypants catches a liar). Stichting Politie en Wetenschap (Foundation for Police and Science), Apeldoorn, The Netherlands.
- Jolij, J.**, Heussen, Y. (2013). Social neuroergonomics. In: Johnson and Proctor (eds.) *Neuroergonomics: cognitive neuroscience approaches to ergonomics and human factors*. Palgrave MacMillan, Basingstoke, UK.
- Jolij, J.**, Johnson, A., Proctor, A. (2013). Cognitive neuroergonomics of visual and auditory perception. In: Johnson and Proctor (eds.) *Neuroergonomics: cognitive neuroscience approaches to ergonomics and human factors*. Palgrave MacMillan, Basingstoke (UK).
- Scholte, H.S., **Jolij, J.**, & Lamme, V.A.F. (2006). The cortical processing dynamics of edge detection and scene segmentation. In: Breitmeyer, B., & Ogmen, H. (eds.) *The First Half Second: The Microgenesis and Temporal Dynamics of Unconscious and Conscious Visual Processes*, pp 73 – 89. MIT Press, Cambridge (MA).

Outreach

My research has been featured in many international radio and TV shows and websites (ao. BBC, Discovery, NPO, Huffington Post, RBTF, RAI, etc.), and I am often consulted as an expert on psychology and neuroscience of perception and music for popular media. Moreover, I often give talks for a general audience (ao. TEDxGroningen, Studium Generale, University Museum), and have contributed to the first MOOC (massive open online course) aimed at elementary school children, which was nominated for an important Dutch science communication prize (Klokhuis Wetenschapsprijs).

Apart from my public appearances, I regularly publish opinion pieces on science on my blog (www.iolij.com), which is visited by (on average) several hundreds of visitors daily. I am active on Twitter (@jjolij), and am in the Top 40 of influential Dutch psychologists on social media.

Teaching

1998 – 2005	Lecturer, High School – University Connection Programma , University of Amsterdam
2003	Instructor, Academic Writing , B.Sc. Psychology, University of Amsterdam
2003 – 2004	Instructor, Functional Neuroimaging , M.Sc. Psychology, University of Amsterdam
2004 – 2005	Instructor, Psychological Experimentation , M.Sc. Psychology, University of Amsterdam
2004 – 2005	Instructor, Academic Skills for Psychobiologists , B.Sc. Psychobiology, University of Amsterdam
2005	Lecturer, Toolkit of Cognitive Neuroscience - TMS , Ph.D. Experimental Psychology, Graduate School for Experimental Psychology (EPOS)
2006	Guest lecturer, Introduction to Cognitive Neuroscience , M.Sc. Neuroscience, Swiss Federal Institute of Technology, Lausanne
2006	Guest lecturer, Current Practices in Psychology - TMS , M.Sc. Psychological Research Methods, University of Exeter
2006 – 2008	Lecturer and coordinator, Perception , B.Sc. Psychology, University of Exeter
2006 – 2008	Lecturer and coordinator, Cognitive Neuroscience of Conscious Vision and Its Applications , B.Sc. Psychology, University of Exeter
2007	Lecturer and coordinator, Introduction to Transcranial Magnetic Stimulation and Safety Training , Ph.D. Psychology / Continuing Professional Development for Staff, University of Exeter
2008	Lecturer, Information Processing and Task Performance , B.Sc. Psychology, University of Groningen
2008 – present	Guest lecturer, Law and Psychology , B.A. Law, University of Groningen
2008	Guest lecturer, Social Neuroscience , Research Master Psychology, University of Amsterdam
2008 – 2009	Coordinator, Professional Seminar , M.Sc. Human Machine Communication, University of Groningen
2008 – 2009	Lecturer, Introductory Psychology , B.Sc. Psychology (English language programme), University of Groningen
2008 – 2012	Lecturer and coordinator, Usability Engineering , M.Sc. Human Machine Communication, University of Groningen
2009 – present	Lecturer, Biopsychology , B.Sc. Psychology (English language programme), University of Groningen
2009 – 2010	Coordinator, Learning and Memory , BCN Research Master, University of Groningen
2009 – 2013	Lecturer, Psychophysiology and its applications , M.Sc. Cognitive Psychology and Psychophysiology, University of Groningen
2009 – present	Lecturer, Experimental Methods – TMS and BCI , M.Sc. Brain and Behaviour, University of Groningen
2011 – 2012	Coordinator, Vision and Cognition , M.Sc. Brain and Behaviour, University of Groningen
2013 – present	Lecturer and coordinator, Introduction to Psychology , B.Sc. Psychology (English language programme), University of Groningen
2014 – present	Lecturer and coordinator, Cognitive Psychology: Theory and Applications , M.Sc. Psychology, University of Groningen
2016 – present	Lecturer, MOOC 'Wetenschapper in de Klas' ('Scientist in the Classroom') , MOOC aimed at elementary school children, University of Groningen

Management and other academic roles

2002 – 2005	Member of the Teaching Committee of the Graduate School for Experimental Psychology (EPOS)
2002 – 2005	Coordinator of the TMS laboratory, Department of Psychology, University of Amsterdam
2005	Advisor to the Ethics Committee regarding TMS, Department of Psychology, University of Amsterdam
2006 – 2007	Coordinator of International Studies, School of Psychology, University of Exeter
2006 – 2008	Director of the TMS Laboratory, School of Psychology, University of Exeter
2007 – 2008	Member of the Ethics Committee, School of Psychology, University of Exeter
2007 – 2008	Member of the Board of Examiners, B.Sc. and B.A. in Psychology, University of Exeter
2007 – 2008	Final Year Tutor and Employability Officer, School of Psychology, University of Exeter
2008	Co-examiner, Ph.D. thesis of Dr Nino Bregadze, University of Exeter
2009	Member of the Programme Committee of the Cognitive Sciences Meeting, 2009
2009 – 2010	Member of the 'Werkveldcommissie' for the Human Technology programme, Hanzehogeschool Groningen
2009 – present	Coordinator of the TMS laboratory, Department of Psychology, University of Groningen
2009 – 2011	Member of the Faculty Council, Faculty of Behavioural and Social Sciences, University of Groningen
2010 – 2013	Member of the Faculty Board for Occupational Health and Safety, Faculty of Behavioural and Social Sciences, University of Groningen
2010 – 2011	Chair of the Faculty Board for Occupational Health and Safety, Faculty of Behavioural and Social Sciences, University of Groningen
2010 – 2011	Member of the Advisory Committee for Teaching, Faculty of Behavioural and Social Sciences, University of Groningen
2010 – 2014	Final Year Coordinator, English language Bachelor Programme in Psychology, University of Groningen
2011	Co-examiner, Ph.D. thesis of Bernard Stienen, University of Tilburg
2011 – present	Member of the Board of the Dutch Psychonomics Society (NVP)
2012 – present	Programme coordinator, M.Sc. Cognitive Psychology and Psychophysiology, University of Groningen
2013 – present	Chair of BCN PhD Dissertation Prize Committee