

Joris J.A. Vangeneugden *Ma MSc MSc PhD MD*

Personal & Professional Information

Name: Joris J. A. Vangeneugden
Date of Birth: 1980 May 8th
Citizenship: Belgian
Country of Residence: Belgium
E-mail: joris@pergusconsulting.com
Marital status: Married to Evy Bollen since 2005
Family: Two sons (Maurits & Elias)
Hobbies: Soccer, triathlon and family time
Telephone: +32(0)475/57.28.23



Medical Doctor: Belgium – RIZIV: 17445944-000, Visum FOD België: 218869
(arts) The Netherlands – BIG: 1992257950, AGB 84106788

Clinical Psychologist: BFP (Belgische Federatie voor Psychologen)
(klinisch psycholoog) VVKP (Vlaamse Vereniging voor Klinische Psychologie)
PsyCom (Psychologen Commissie)
Erkenningsnummer: 801118200
Visum FOD België: 283679

Education

2017.9 – present: **Resident in Psychiatry**
arts-specialist in opleiding in psychiatrie
Mondriaan Maastricht
ManaMa Sport's Medicine (sport arts)
KU Leuven, Belgium

2013.9 – 2017.6: **Medical Doctor (MD) & MSc Clinical Research (Epidemiology/Statistics)**
AKO-opleiding, arts-klinisch onderzoeker: MD & MSc Clinical Research
Medical School, Univ. of Maastricht, The Netherlands

2006.9 – 2010.10: **PhD Cognitive Neuroscience**
KU Leuven, Belgium – Univ. Glasgow, Scotland – ETH Zurich, Switzerland

2008.11: **Animal Science Course**
KU Leuven, Belgium

2004.10 - 2006.6: **Professional Teacher's Degree**
UHasselt, Belgium

2004.10 - 2006.6: **MSc in Statistics**
KU Leuven, Belgium

2002.10 - 2004.6: **MA in Experimental & Clinical Psychology**
KU Leuven, Belgium:

2002.10 - 2004.6: **BA Philosophy** (KU Leuven, Belgium)

1999.10 - 2002.10: **BSc in Psychology** (KU Leuven, Belgium)

Positions/Work Experience

- 2017.6 – present: **Owner of Pergus Mental Health & Sport bvba**
Sport and mental health coaching:
Current teams PSV Eindhoven, BMC cycling team, McLaren Training Academy e.a.
- 2014.9 - present: **Senior post-doctoral fellow**
School of Mental Health & Neuroscience, Maastricht, The Netherlands
- 2011.8 - 2015.3: **Marie Curie IEF Post-Doctoral Fellow**
The Netherlands Institute of Neuroscience, Amsterdam
- 2011.5 - 2011.8: **Post-doctoral IIT Fellow / Fullbright scholar**
Italian Institute of Technology & Harvard Medical School (BIDCMC)
- 2010.10 - 2011.5: **Post-doctoral Fellow**
KU Leuven, Dept. of Psychology
- 2004.9 – 2012.7: **Lecturer (docent)**
City University Limburg, Genk, Belgium
- 2006.10 - 2010.10: **PhD Systems Neuroscience**
KU Leuven, Belgium
- 2004 – present **Clinical Psychologist**
KU Leuven and own practice (registration # 801118200)

Honors, Grants & Awards

- 2015: Visiting grant (1 month) UNC Chapel Hill, North Carolina, Stuber lab
- 2014: Travel Award “Controlling Neurons, Circuits and Behaviour”, Rungstedgaard, Denmark (1500 €)
- 2012: Travel Award Academische Stichting Leuven (500 €)
- 2012: Travel Award Research Systems (1000 \$)
- 2012: Travel Award Cognitive Neuropsychology Association (750 €)
- 2012: Organizer of a symposium at Asia-Pacific Conference on Vision (Seoul, South-Korea)
- 2011: Marie Curie Intra-European Post-doc Fellowship, The Netherlands Institute of Neuroscience, Amsterdam (184.000 €, end 2013)
- 2011: FENS-IBRO Summer School *Causal Neuroscience* (Bertinoro, Italy) - travel coverage
- 2011: Italian Institute of Technology Visiting Scholar grant
- 2010: Post-doc on Methusalem project Johan Wagemans (end May, 2011)
- 2010: Summer School *From Spike to Awareness* (Giessen, Germany) - full coverage
- 2010: Asia-Pacific Conference on Vision (Taipei, Taiwan) - travel grant
- 2009: Summer School *Social Brains* (RIKEN, Tokio, Japan) - full coverage
- 2008: Best Poster Award, Belgian Society for Neuroscience (Ostend, Belgium)
- 2008: *DIRAC* European Grant
- 2007: Summer School *Brain-Computer Interfaces* (Volterra, Italy) - full coverage
- 2004: *FWO* PhD Scholarship (~ 100.000 €, end: 2008)
- 2004: Best Thesis Award Shortlist, Belgian Psychological Society
- 2004: Best Poster Award, Belgian Psychological Society (Brussels, Belgium)
- 2002: *McDowell* Full Athletic Scholarship, SUNY Stony Brook, USA (~ 20.000 \$, one year)

Direct Collaborations

Maastricht University Medical Center (Maastricht, The Netherlands)
<https://mhens.mumc.maastrichtuniversity.nl/research-neuroscience>

The Netherlands Institute of Neuroscience (Amsterdam, The Netherlands)
http://www.nin.knaw.nl/research_groups/roelfsema_group/
http://www.nin.knaw.nl/research_groups/levelt_group/

Italian Institute of Technology (Rovereto, Italy)
<https://sites.google.com/site/peelenlab/>
<http://cncs.iit.it/>
<http://www.bidmc.org/>
<http://www.bcs.rochester.edu/people/Duje/>

Laboratory of Experimental Psychology (Leuven, Belgium)
<http://ppw.kuleuven.be/~odbeeckh/>
<http://ppw.kuleuven.be/labexpsy/gestaltrevision/index.shtml>
<http://ppw.kuleuven.be/labexpsy/biomotion.htm>

Laboratory of Neurophysiology (Leuven, Belgium)
<http://neuroserv.med.kuleuven.be/>

Publications

- Vangeneugden J**, Verlaan L, Meijer K. Movement parameters in knee osteoarthritis. Submitted to Journal of Biomechanics.
- Vangeneugden J.**, Cohen MX., Lorteije JAM., van Beest EH., Levelt CN., Roelfsema PR., Self MW*, Heimel JA* (2019). Activity in lateral visual areas contributes to surround suppression in awake mouse V1. *Current Biology*, 29, 1-8..
- Fedorov L., **Vangeneugden J.**, Giese M. (2016). Neural model for the influence of shading on the multistability of the perception of body motion. NCTA Neural Computation Theory and Applications. Conf. Proceedings: 1-8.
- Vangeneugden J.**, Mazo C., Lepousez G. (2015). Fleeting memories: transient character of adult-generated olfactory granule cells committed to odour memories. *Frontiers in Neuroscience*, 9: 110. doi: 10.3389/fnis.2015.00110.
- Self M.*, Lorteije J.*, **Vangeneugden J.***, Levelt C., Heimel A., Roelfsema P. (2014). Orientation-tuned surround suppression in mouse visual cortex. *The Journal of Neuroscience*, 34(28), 9290-9304.
- Vangeneugden J.***, Peelen M*, Tadin D, Battelli L. (2014). Distinct neural mechanisms for body motion and body form discriminations. *The Journal of Neuroscience*, 34(2), 574-585.
- Vangeneugden J.**, De Mazière P.A., Van Hulle M.A., Jaeggli T., Van Gool L., Vogels R. (2011). Distinct mechanisms for coding of visual actions in macaque temporal cortex. *The Journal of Neuroscience*, 31(2), 385-401.
- Vangeneugden J.***, Nater F.* , Grabner H., Van Gool L., Vogels R. (2010). Discrimination of locomotion direction at different speeds: A comparison between macaque monkeys and algorithms. *IEEE Machine Learning*.
- Vangeneugden J.**, Vancleef K., Jaeggli T., Van Gool L., Vogels R. (2010). Discrimination of locomotion direction in impoverished displays of walkers by macaque monkeys. *Journal of Vision*, 10(4), 22.1-22.19.
- Vangeneugden J.**, Pollick F., Vogels R. (2009). Functional differentiation of macaque visual

temporal cortical neurons using a parameterized action space. *Cerebral Cortex*, 19, 593-611.

Verhoef B., Kayaert K., Franko E., **Vangeneugden J.**, Vogels R. (2008). Stimulus similarity-contingent neural adaptation can be time and cortical area dependent. *The Journal of Neuroscience*, 28(42), 10631-40.

Panis S., **Vangeneugden J.**, Op de Beeck H., Wagemans J. (2008). The representation of subordinate shape similarity in human occipitotemporal cortex. *Journal of Vision*, 8(10), 9.1-9.15.

Panis S., **Vangeneugden J.**, Wagemans J. (2008). Similarity, typicality, and category-level matching of outlines of everyday objects. *Perception*, 37(12), 1822-49.

Selected Presentations

Vangeneugden J, Self M, Lorteije J, Levelt C, Roelfsema P, Heimel A. (2014). Photo-inhibiting mouse higher visual regions interrupts feedback projections to superficial layers in V1. Paper presented at the FENS Controlling Neurons, Circuits and Behavior Meeting, Copenhagen, Denmark.

Vangeneugden J, van Ee R, Verfaillie K, Wagemans J, Op de Beeck H (2012). Activity in areas MT+ and EBA, but not pSTS allow prediction of perceptual states during ambiguous biological motion. Paper presented at the Society for Neuroscience 42nd Annual Meeting. New Orleans, LA, USA.

Vangeneugden J, Peelen M, Tadin D, Battelli L (2012). Double dissociation(s) between EBA and pSTS during biological motion perception: converging evidence from TMS and fMRI. Paper presented at the Asia-Pacific Conference on Vision, Seoul, South-Korea.

Vangeneugden J, Peelen M, Tadin D, Battelli L (2012). Double dissociation(s) between EBA and pSTS during biological motion perception: converging evidence from TMS and fMRI. Paper presented at the Vision Sciences Society, Naples, FL., USA.

Heimel A, Lorteije J, **Vangeneugden J**, Levelt C, Roelfsema P. (2011). Contextual modulation in visual cortex of anesthetised mice. Paper presented at the Society for Neuroscience 41st Annual Meeting. Washington, DC, USA.

Vangeneugden J, Vancleef K, Jaeggli T, Van Gool L, Vogels R. (2010). Discrimination of locomotion direction in impoverished displays of walkers by macaque monkeys. Paper presented at the Asia-Pacific Conference on Vision, Taipei, Taiwan.

Vangeneugden J, De Mazière PA, Van Gool L, Vogels R (2010). Coding of walking direction by macaque visual temporal cortical neurons. Paper presented at the Federation of European Neurosciences Societies 7th biennial meeting. Amsterdam, The Netherlands.

Vangeneugden J, Vancleef K, Jaeggli T, De Mazière P, Van Gool L, Vogels R. 2009. Coding of walking direction by macaque visual temporal cortical neurons. Paper presented at the Society for Neuroscience 39th Annual Meeting. Chicago, IL, USA.

Vangeneugden J, Pollick F, Vogels R. 2006. Responses of macaque superior temporal sulcus neurons to a parameterized set of dynamic images of visual actions. Paper presented at the Society for Neuroscience 36th Annual meeting. Atlanta, GA, USA.

Vangeneugden J, Koteles K, Orban G, Vogels R. 2006. The coding of 3-D shape from shading in macaque areas TE and TEO. *Perception*. 35. European Conference on Visual Perception. Saint-Petersburg Russia.

Vangeneugden J, Panis S, Peeters R, Sunaert S, Van Hecke P, Wagemans J. 2004. Perceived shape similarity is represented in human lateral occipital complex. Paper presented at the Society for Neuroscience 34th Annual Meeting. San Diego, CA, USA.

Vangeneugden J, Wagemans J. 2004. Perceptual representation of within-category similarity of everyday objects. *Perception*. 33. European Conference on Visual Perception. Budapest Hungary.

Professional Memberships

Belgian board of Medical Doctors (from Sept. 2017) – Orde der Geneesheren / RIZIV
Belgian Football Doctors & Associates (BFDA) (from Sept. 2017)
Dutch board of Medical Doctors (from Aug. 2017) – BIG en AGB codes
Dutch Society for Neuroscience (from Aug. 2011)
Society for Neuroscience (from Oct. 2004)
Belgium Society for Neuroscience (from Oct. 2004)
Belgian Association for Psychological Sciences (from Oct. 2004)
Rotary Student Exchange Program Belgium - US (from Sep. 2008)
KHLim City University Quality Program (from Sep. 2009)
Organizer '*Time for Action*', part of the Intra-University Attraction Pole Program (May, 2008)

Teaching Experience

@ KHLim City University at Genk (Belgium) as Lecturer
from Sep 2009 - Sep 2011: Psychology & Perception II (66 h class), Consumer Behavior (30 h class)
from Sep 2010 – Sep 2011: Creativity: Theory & Practice (45 h class)
@ Logos, student mentoring, various courses in Psychology and Neurosciences

Reviewing

Cognition, Experimental Brain Research, Journal of Vision & Neuropsychologia, Cerebral Cortex, Neurimage and Journal of Neuroscience.