

# JOB VAN DEN HURK, PHD



COGNITIVE NEUROSCIENTIST | DATA SCIENTIST

info@jobvandenhurk.nl | www.jobvandenhurk.nl  
www.brainmatters.nl | +31 6 29 03 64 39

## SKILLS

- Critical thinking
- Experimental designs
- Modular programming
- Statistical analysis
- Scientific & popular writing
- Autodidacticism
- Self-reflection
- Public speaking
- Communication
- Creativity

- f** fb.me/job.vandenhurk
- t** @jobvandenhurk
- in** linkedin.com/in/jobvandenhurk

## EXPERIENCE

**MRI Data Scientist / Neuroscientist**  
Neuroimaging Center Scannexus  
Oct 2016 - Now

- Research, analytics and consultancy on functional, diffusion and anatomical MRI data at 3T, 7T and 9.4T

**Post-doctoral researcher**  
University of Leuven (K.U. Leuven), Belgium  
Maastricht University, The Netherlands  
Jan 2013 - Aug 2016

- Studying the functionality of visual brain regions in individuals who are blind since birth, with use of fMRI and machine learning techniques

**Editor-in-chief / contributing editor**  
www.brainmatters.nl  
Apr 2012 - Now

- Editing and writing articles about cutting-edge peer-reviewed articles, specifically tailored to a broad audience

## PHD

2008 - 2012 **Maastricht University, The Netherlands**  
Studying the neural integration of conceptual knowledge and visual perception

## LANGUAGES

	Spoken	Written
Dutch (native)	● ● ● ● ●	● ● ● ● ●
English	● ● ● ● ●	● ● ● ● ●
German	● ● ● ● ●	● ● ● ● ●
French	● ● ● ● ●	● ● ● ● ●

## ABOUT ME

I am a passionate neuroscientist who is dedicated to decoding patterns, sharing knowledge, and pondering the unknown.

## FEATURED IN

- Het Klokhuis**  
- Zoek het uit!  
- Hoe werken je hersenen?
- Willem Wever**  
- Waar zit je wiskundeknobbel?
- Galileo**  
- Telekinese?
- Labyrint**  
- Kennis en zien in het brein

## AWARDS

### Project BrainMatters

**National Academic Year Prize Competition**  
2nd place | winner public prize  
2011

**Winner Gerard Mols-award**  
2012

**Winner E-learning Young Talent Award**  
2013

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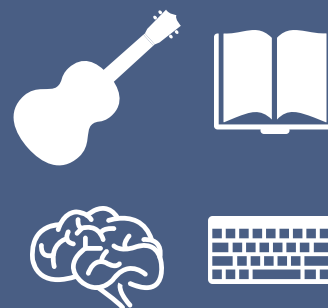
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## QUALIFICATIONS & COURSES

- 2015 **Art and pitfalls of fMRI data preprocessing**  
Human Brain Mapping, Honolulu
- 2015 **Non-traditional approaches to fMRI data analysis**  
Human Brain Mapping, Honolulu
- 2015 **Statistical Assessment of Multi-Voxel Pattern Analysis**  
Human Brain Mapping, Honolulu
- 2010 **Multi-voxel pattern analysis course**  
Human Brain Mapping, Barcelona
- 2010 **Mathematical methods course**  
Maastricht Graduate School
- 2010 **Machine learning course**  
Maastricht Graduate School
- 2009 **Brain Connectivity Course**  
Maastricht Brain Imaging Center

## HOBBIES



## COMPUTER & PROGRAMMING SKILLS

MATLAB	● ● ● ● ●
Object Pascal (Delphi)	● ● ● ● ●
Python	● ● ● ● ●
Javascript	● ● ● ● ●
C#	● ● ● ● ●
SPSS	● ● ● ● ●
Rapidminer	● ● ● ● ●

## PERSONAL PROJECTS

**Sudocube for iOS**  
3D mathematical puzzle game to wrap your brain around

**Blogs**  
Kaf.online  
[www.jobvandenhurk.nl](http://www.jobvandenhurk.nl)  
[www.brainmatters.nl](http://www.brainmatters.nl)

**BrainMatters app for iOS**  
Virtual brainscanner that allows the user to interactively learn about the brain

## SELECTED PUBLICATIONS

- 2017 **van den Hurk, J, Van Baelen, M, & Op de Beeck, HP.** Development of Visual Category Selectivity in Ventral Visual Cortex Does Not Require Visual Experience. *PNAS*.
- 2017 Havermans, A., van Schayck C.P., Vuurman, E.F.P.M., Riedel, W.J., & **van den Hurk, J.** Nicotine deprivation elevates neural representation of smoking-related cues in object-sensitive visual cortex. *Psychopharmacology*.
- 2015 **van den Hurk, J, Pegado, F, Martens, F, & Op de Beeck, HP.** The Search for the Face of the Visual Homunculus. *Trends in Cognitive Sciences*.
- 2011 **van den Hurk J, Gentile F, Jansma BM.** What's behind a face: person context coding in fusiform face area as revealed by multivoxel pattern analysis. *Cereb Cortex*.