

# JOB VANDEN HURK, PHD



COGNITIVE NEUROSCIENTIST | DATA SCIENTIST

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## SKILLS

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

## EXPERIENCE

### Scientific Manager / 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

## 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

## LANGUAGES

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

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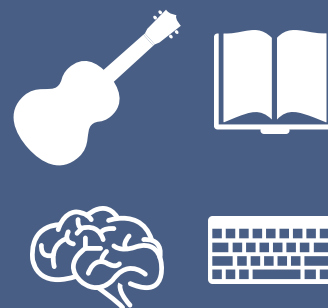
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## QUALIFICATIONS & COURSES

- 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

- 2020 Beugels, J., **van den Hurk, J.**, Peters, J. C., Heuts, E. M., Tuinder, S. M., Goebel, R., & van der Hulst, R. R. (2020). Somatotopic mapping of the human breast using 7 T functional MRI. *NeuroImage*, 204, 116201.
- 2020 Rosenke, M., Van Hoof, R., **van den Hurk, J.**, & Goebel, R. (2020). A probabilistic functional parcellation of human occipito-temporal cortex. *Cereb Cortex* (in press).
- 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 **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*.