

## Curriculum Vitae

### Personalialia

Full name Hubert Fonteijn  
Born September 30<sup>th</sup> 1979, Weert, The Netherlands  
Home address 45 Talbot Road  
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London N6 4QX  
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### Education and professional history

2008-2010 Research Associate with Daniel Alexander at the Department of Computer Science, UCL, working on the project "Diffusion Imaging-based information for Convection Enhanced Distribution"

2003-2008 Ph.D. Student the Helmholtz Institute at the University of Utrecht and at the F.C. Donders Centre for Cognitive Neuroimaging, working on the project "Anatomical and effective connectivity" Advisors: Prof.dr. David Norris, Prof.dr Frans Verstraten

1997-2003 Physics undergraduate, University of Groningen  
Majors: Applied Physics  
Propedeuse degree, Feb 1998  
M.Sc., September 2003  
Advisors: Prof. Dr. Diek Duifhuis. Dr. Anne Paans. Dr. Antoon Willemsen

1991-1997 High School (Gymnasium)

### Publications

#### *Articles in peer-reviewed journals*

Topographical Functional Connectivity Pattern in the Perisylvian Language Networks. Xiang HD, Fonteijn HM, Norris DG, Hagoort P. Accepted for publication in *Cerebral Cortex*

Exploring the Anatomical Basis of Effective Connectivity Models with DTI-Based Fiber Tractography. Fonteijn HM, Norris DG, Verstraten FA. *Int J Biomed Imaging*. 2008;

Probabilistic inference on Q-ball imaging data. Fonteijn HM, Verstraten FA, Norris DG. *IEEE Trans Med Imaging*. 2007 Nov;26(11):1515-24.

### ***Manuscripts in preparation***

On the segregation and integration of the Supplementary Motor Area. A combined DTI and resting-state fMRI study. Fonteijn HM, Baerends E, Verstraten FA, Norris DG

### ***Selected abstracts, conference proceedings and talks***

Two-compartment models of the diffusion MR signal in brain white matter. Panagiotaki E, Fonteijn HM, Siow BMCW, Hall MG, Price AN, Lythgoe MF, Alexander DC. Accepted as presentation at MICCAI 2009, London

Slice-based clustering of resting-state fMRI data. Fonteijn HM, Norris DG. Poster at ISMRM 2009, Honolulu

A study on the validity of the tortuosity approximation for extracellular diffusion using Monte Carlo simulations. Fonteijn HM, Hall MG, Alexander DC. Poster at ISMRM 2009, Honolulu

The functional anatomy of SMA at rest: Clustering and Connectivity independently measured with DTI and RS-fMRI. Fonteijn HM, Baerends E, Norris DG. Presentation at ISMRM 2008, Toronto

On the thresholding of fibre probability maps. Poster at ISMRM 2006, Seattle  
Probabilistic Q-Ball Imaging. Fonteijn HM, Verstraten FA, Norris DG Poster at ISMRM 2007, Berlin

Functional Hierarchy of the Visual System as revealed by Resting State fMRI. Bleeker E, Fonteijn HM, Baerends E, Shumskaya E, Norris DG Poster at ISMRM 2007, Berlin.

Can connectivity information from DTI improve cortical parcellation for resting-state analyses? Baerends E, Fonteijn HM, Norris DG. Poster at ISMRM 2007, Berlin

Can Neuronal fiber tracking based on DTI establish the basis of effective connectivity studies. Fonteijn HM, Norris DG, Verstraten FA. Poster at Human Brain Mapping 2005, Toronto

### **Teaching experience**

2004-2006	Supervision of Bachelor students in Cognitive Neuroscience
2006	Teaching Assistant in Matlab course for psychologists
2005-2007	Supervision of 3 Master's students

- 2004-2009 Lecturer at the Toolkit of Cognitive Neuroscience:  
advanced topics in MR imaging of the brain in Nijmegen,  
the Netherlands
- 2009 Lecturer and coordinator of the course “Research Methods”  
for Master’s Students in Computer Science
- 2009 Invited lecture on resting-state fMRI in the 4th  
International Summer School in Biomedical Engineering -  
Brain connectivity and information transfer