
Personal Information

Name: Christina Sofia Konen
Date of Birth: June 1st, 1976
Address: Center for the Study of Brain, Mind and Behavior
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Professional Education

1996 – 2001 Study of Psychology
Heinrich-Heine-University Düsseldorf, Germany

October 1999 – April 2001 Research Assistant
Department of Experimental Psychology
Petra Stoerig, Heinrich-Heine-University
Düsseldorf, Germany

April 2001 Diploma in Psychology

May 2001 – December 2005 Graduate Student
Department of Neurophysics
Frank Bremmer, Philipps-University Marburg,
Germany

March 2004 – July 2004 Marie Curie Ph.D. Student Fellowship
Institute of Cognitive Neuroscience
Leun Otten, University College London,
United Kingdom

August 2005 Ph.D. in Psychology

January 2006 – Present Postdoctoral Fellow
Center for the Study of Brain, Mind and Behavior
Sabine Kastner, Princeton University, USA

January 2006 – December 2008 DAAD Postdoctoral Fellowship

Abstracts

- TWK 2000, Tübingen, Germany; FMRT Studie zur Untersuchung farbiger Nachbilder; Konen CS, Kleiser R, Freund HJ & Stoerig P
- SFN 2000, New Orleans, USA; Afterimages: fMRI study of subjective visual experiences; Konen CS, Kleiser R & Stoerig P
- ECVF 2001, Kusadasi, Turkey; Neurobiological Correlates of Motion Coherence and Transparency: A comparison of VEP and fMRI results; Kleiser R, Konen CS, Niedeggen M & Stoerig P
- SFN 2001, San Diego, USA; Ventral stream activation in hemianopic patients: an fMRI study using visual and tactile stimulation; Mierdorf T, Konen CS & Stoerig P
- 2nd Gainfield Conference „Space Coding in Primates“ 2002, Seon, Germany; Afterimages: an fMRI study of subjective visual experiences; Konen CS & Kleiser R
- SFN 2002, Orlando, USA; Participation of FEF, PEF, and MT in directionally tuned eye movements; Konen CS, Kleiser R, Bremmer F & Seitz RJ
- TWK 2003, Tübingen, Germany; The encoding of saccadic eye movements within posterior parietal cortex; Konen CS, Kleiser R, Bremmer F & Seitz RJ
- Göttingen Neurobiology Conference 2003, Göttingen, Germany; The encoding of saccadic eye movements within posterior parietal cortex; Konen CS, Kleiser R, Bremmer F & Seitz RJ
- HBM 2003, New York, USA; The encoding of saccadic eye movements within posterior parietal cortex; Konen CS, Kleiser R, Bremmer F & Seitz RJ
- TWK 2004, Tübingen, Germany; An fMRI study of optokinetic nystagmus and smooth pursuit eye movements in humans; Konen CS, Kleiser R, Bremmer F & Seitz RJ
- SFN 2004, San Diego, USA; I know where you'll look: an fMRI study of oculomotor intention and a change of motor plan; Kleiser R, Konen CS, Seitz RJ & Bremmer F
- SFN 2004, San Diego, USA; The cortical interaction of attention and intention; Konen CS, Kleiser R, Bremmer F & Seitz RJ
- Göttingen Neurobiology Conference 2005, Göttingen, Germany; I know where you'll look: an fMRI study of oculomotor intention and a change of motor plan; Kleiser R, Konen CS, Seitz RJ & Bremmer F
- Göttingen Neurobiology Conference 2005, Göttingen, Germany; The cortical interaction of attention and intention; Konen CS, Kleiser R, Bremmer F & Seitz RJ
- TWK 2005, Tübingen, Germany; I know where you'll look: an fMRI study of oculomotor intention and a change of motor plan; Konen CS, Kleiser R, Seitz RJ & Bremmer F

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- TWK 2005, Tübingen, Germany; The cortical interaction of attention and intention; Konen CS, Kleiser R, Bremmer F & Seitz RJ
 - SFN 2006, Atlanta, USA; Object-adaptation effects in topographically organized areas of the human PPC; Konen CS & Kastner S
 - SFN 2006, Atlanta, USA; Spatially-specific attention signals revealed in the human fronto-parietal network using fMRI; Szczepanski SM, Konen CS & Kastner S
 - SFN 2007, San Diego, USA; Representation of eye movements and stimulus motion in topographically organized areas of the human PPC; Konen CS & Kastner S
 - VSS 2008, Naples, USA; Object representations in the dorsal pathway: fMRI adaptation effects in macaque posterior parietal cortex; Konen CS, Pinsk MA, Arcaro M & Kastner S
 - SFN 2008, Washington, USA; Object representations in monkey posterior parietal cortex; Konen CS, Pinsk MA, Arcaro M, Li X, Inati SJ & Kastner S
 - SFN 2008, Washington, USA; Object Improved functional MRI of the macaque ventral visual pathway at 3 T using multi-echo EPI and dynamic, field map corrected image reconstruction; Pinsk MA, Arcaro M, Konen CS, Li X, Kastner S & Inati SJ

Articles

1. Konen CS, Kleiser R, Wittsack HJ, Bremmer F, Seitz RJ (2004). The encoding of saccadic eye movements within human posterior parietal cortex. *NeuroImage* 22(1): 304-314.
2. Konen CS, Kleiser R, Seitz RJ, Bremmer F (2005) An fMRI study of optokinetic nystagmus and smooth pursuit eye movements in humans. *Exp Brain Res* 135(2): 203-216.
3. Konen CS, Kleiser R, Bremmer F, Seitz RJ (2007) Different cortical activations during visuospatial attention and the intention to perform a saccade. *Exp Brain Res* 182(3): 333-341.
4. Kastner S, DeSimone K, Konen CS, Szczepanski SM, Weiner KS, Schneider KA (2007) Topographic maps in human frontal cortex revealed in memory-guided saccade and spatial working memory tasks. *J Neurophysiology* 97(5): 3494-3507.
5. Konen CS, Kastner S (2008) Two hierarchically organized neural systems for object information in human visual cortex. *Nat Neurosci* 11(2): 224-231.
6. Konen CS, Kastner S (2008) Representation of eye movements and stimulus motion in topographically organized areas of human posterior parietal cortex. *J Neurosci* 28(32): 8361-8375.

7. Szczepanski SM, Konen CS, Kastner S (submitted) Mechanisms of spatial attention control in frontal and parietal cortex.
8. Konen CS, Pinsk MA, Arcaro M, Li X, Inai SJ, Kastner S (submitted) Object representations in monkey posterior parietal cortex.

Book Chapters

Konen CS, Kastner S (submitted) A systems organization of the senses – Sight, in ‘The Neurobiology of Sensation and Reward’, J. Gottfried (Editor)

Talks

2005: ‘The cortical control of eye movements in humans as revealed by fMRI’, Hertie Institute for Clinical Brain Research, Tübingen, Germany

2006: ‘Object representations in the dorsal pathway: fMRI adaptation in topographically organized areas of the human PPC’, Neuroscience Retreat, Princeton, USA

2007: ‘Object representations in the dorsal pathway: fMRI adaptation effects in topographically organized areas of the human posterior parietal cortex’, VSS, Sarasota, USA

2007: ‘Functional characteristics of topographic maps in human fronto-parietal cortex’, Conte-Meeting, Princeton, USA

2007: ‘Functional characteristics of topographic maps in human fronto-parietal cortex’, NIH, Bethesda, USA

2007: ‘Charting the human posterior parietal cortex’, Marburg, Germany

2008: ‘Object representations in human and monkey posterior parietal cortex’, Conte-Meeting, Princeton, USA

Further Education

- Brain Voyager Training Course (2000) – Maastricht, The Netherlands
- Animal Welfare Course (2001) – Bochum, Germany
- SPM Training Course (2001) – Hamburg, Germany
- FENS Winter School ‘Neural Representations’ (2001) – Kitzbühel, Austria
- Brain Voyager Advanced Training Course (2002) – Maastricht, The Netherlands
- EBBS Workshop ‘Cognitive and Neural Mechanisms of Visuomotor Control’ (2002) – LaLonde, France

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- Animal Welfare Course (2003) – Marburg, Germany
 - SPM Training Course (2004) – London, UK
 - AFNI Workshop (2007) – Princeton, USA

Laboratory and Computer Skills

- Siemens Allegra 3T system console operation
- Cortical surface reconstruction using FreeSurfer
- FMRI data analysis (Matlab, AFNI, SPM, BrainVoyager)
- Eye movement tracking systems (ASL, Cambridge Research Systems)

Ad-Hoc Reviewer

- Journal of Neuroscience
- Journal of Cognitive Neuroscience
- Neuropsychologia
- NeuroImage
- Experimental Brain Research