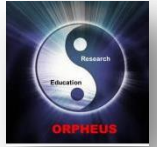




ORPHEUS EC member



Stephanie CLARKE

Professor and Head of Neuropsychology and Neurorehabilitation at the University Hospital Lausanne, Switzerland

Personal details:

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Research Interests

With her group Stephanie Clarke carries out research projects that combine investigations of cognitive functions and of the functional organization of the human cerebral cortex, with particular interest in the organisation and plasticity of the human auditory cortex.

ACADEMIC QUALIFICATIONS

1974-1980 – Medical studies, University of Lausanne

1980 – Swiss Federal diploma of Medicine

1984 – Doctoral degree in medicine (Dr. med.)

PROFESSIONAL EXPERIENCE

1993-2000 – Privat-docent, Faculty of Medicine, Lausanne

1995-2000 – Boursier SCORE A, FNRS

1997-2000 – "Professeur assistant", Faculty of Medicine, Lausanne

2000-present – Professor (Ordinarius) of Neuropsychology, Faculty of Medicine, Lausanne

2007-present – Chef de Service, Service de Neuropsychologie et de Neuroréhabilitation, CHUV

DOCTORAL EDUCATION EXPERIENCE

Director of the Doctoral School of the Faculty of Biology and Medicine, University of Lausanne

Thesis director: PhD in neuroscience, MD

Supervision of Master students

COMMITTEES & BOARDS

Member (2004-12), Vice-President (2008-09) and President (2009-12) of the Division Biology and Medicine of the Swiss National Science Foundation

Member of the Committee of the Swiss Academy of Medical Sciences (2004-12)

Member of the Committee and of the Foundation Council of the Swiss National Science Foundation (2003-2004) Member of the Committee of the European Brain and Behaviour Society (2001-2004)

Member of the taskforce "Cognitive rehabilitation" of the European Federation of Neurological Societies (2000-2006)

ACADEMIC AWARDS & DISTINCTIONS

President of the World Federation of Neurorehabilitation (2012-)

President-Elect of the World Federation of Neurorehabilitation (2008-12) President of the Swiss Society for Neurorehabilitation (2002-08) President of the Swiss Society for Neuroscience (2007-08)

SELECTED PUBLICATIONS

Bourquin NM, Simonin A, **Clarke S** (2013) Repetition-induced plasticity of motor representations of action sounds. *Brain Topography* 26:152-6.

Bourquin NM, Murray MM, **Clarke S** (2013). Location-independent and location-linked representations of sound objects. *Neuroimage*, 73: 40–49.

Carmeli C, Donati A, Antille V, Viceic D, Ghika J, von Gunten A, **Clarke S**, Meuli R, Frackowiak RS, Knyazeva MG (2013) Demyelination in mild cognitive impairment suggests progression path to Alzheimer's disease. *PLoS One* 2013 8(8):e72759

Da Costa S, van der Zwaag W, Miller LM, **Clarke S**, Saenz M (2013) Tuning in to sound frequency-selective attentional filter in human auditory cortex. *J Neuroscience* 33:1858-63

Clarke S, At A Sound localization disorders and auditory neglect. In Celesia GG (2013) Disorders of Peripheral and Central

Auditory Processing. Handbook of Clinical Neurophysiology, Vol 10, 423-434

Da Costa S, Saenz M, **Clarke S**, van der Zwaag W (2014) Tonotopic gradients in human primary auditory cortex: Concurring evidence from high-resolution 7T and 3T fMRI. *Brain Topography*, 28:66-9

Cammoun L, Thiran JP, Griffa A, Meuli R, Hagmann P, **Clarke S** (2014) Intrahemispheric cortico-cortical connections in the human auditory cortex. *Brain Structure and Function*. *Brain Struct Funct*. 2015 Nov;220(6):3537-53.

Crottaz-Herbette S, Fornari E, **Clarke S** (2014) Prismatic adaptation changes visuospatial representation in the inferior parietal lobule. *Journal of Neuroscience* 34: 11803-11

Clarke S, Bindschaedler C (2014) Unilateral neglect and anosognosia. In Selzer M. E., **Clarke S**, Cohen L G, Kwakkel G, Miller RH (eds) *Textbook of Neural Repair and Rehabilitation*. Volume II, 2nd edition, Cambridge University Press, 463-477.

Selzer M E, **Clarke S**, Cohen LG, Kwakkel G, Miller RH (eds) *Textbook of Neural Repair and Rehabilitation*. Volumes I and II, 2nd edition, Cambridge University Press. 2014

Da Costa S, Bourquin NM, Knebel JF, Saenz M, van der Zwaag W, **Clarke S** (2015) Representation of Sound Objects within Early-Stage Auditory Areas: A Repetition Effect Study Using 7T fMRI. *PLoS One* 10:e0124072

De Meo R, Murray MM, **Clarke S**, Matusz PJ (2015) Top-down control and early multisensory processes: chicken vs. egg. *Front Integr Neurosci* 9:17

Clarke S, Bindschaedler C, Crottaz-Herbette S (2015) Impact of cognitive neuroscience on stroke rehabilitation. *Stroke* 46:1408-13

Clarke S, Geiser E (2015) Roaring lions and chirruping lemurs: how the brain encodes sound objects in space. *Neuropsychologia*, 75:304-313

De Meo R, Bourquin NM, Knebel JF, Murray MM, **Clarke S** (2015) From bird to sparrow: learning- induced modulations in fine-grained semantic discrimination. *Neuroimage*, 118: 163-173