

## CURRICULUM VITAE

- Name / Given name* PEIGNEUX Philippe
- Position Title(s)* Full Professor (Professeur Ordinaire),  
Chair Clinical Neuropsychology  
Director, Neuropsychology and Functional Neuroimaging Unit (UR2NF)  
affiliated at CRCN - Centre de Recherches Cognition et Neurosciences  
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- Education* PhD Psychological Sciences, Liège University [ULg], Belgium, 2000  
Master Psychological Sciences, ULg, 1996
- Topical research* The current research conducted at the Neuropsychology and Functional Neuroimaging Research Group is experimental in nature while extending to the clinical and developmental domains. Our research activities mainly but not exclusively focus on investigating the relationships between sleep, learning and memory consolidation processes, and in a wider perspective, the interrelationships between cognitive processes and vigilance states. This includes sleep and biological rhythms in both healthy and pathological conditions as our areas of research cover sleep and circadian disorders, children development and healthy ageing, disorders of consciousness (coma, vegetative state), developmental (e.g. ADHD) and epilepsy syndromes, other neurological disorders (Multiple Sclerosis, Parkinson) and pathological ageing (Alzheimer disease). We specifically focus on the processes by which novel representations are created in memory and the mechanisms by which information is consolidated into long-term memory. We are also interested in the understanding and investigation of major neuropsychological syndromes. Our studies are primarily conducted using behavioural protocols as well as advanced brain imaging techniques, e.g. structural (MRI) and functional magnetic resonance imaging (fMRI), electroencephalography (EEG), magnetoencephalography (MEG), transcranial direct current stimulation (TDCs) and near-infrared spectroscopy (NIRS).
- Selected five main publications* (out of 2 edited books, 35 book chapters, 153 per-review articles, h-index = 43, h10-index = 100, total citations = 8829, citations since 2012 = 4906; Google Scholar 25/08/2017)
- Urbain C, De Tiège X, Op De Beeck M, Bourguignon M, Wens V, Verheulpen D, Van Bogaert P, Peigneux P. (2016) Sleep in children triggers rapid reorganization of memory-related brain processes. *NeuroImage* 134, 213-222 IF: 6,797
- Leproult R, Deliens G, Gilson M, and Peigneux P (2014) Beneficial impact of sleep extension on fasting insulin sensitivity in adults with habitual sleep restriction *Sleep* PMID: 25348128 IF: 5.05
- Schmidt C, Collette F, Leclercq Y, Sterpenich V, Vandewalle G, Berthomier P, Berthomier C, Philipps C, Tinguely G, Darsaud A, Gais S, Schabus M, Desseilles M, DangVu TT, Salmon E, Balteau E, Degueldre C, Luxen A, Maquet P, Cajochen C, and Peigneux P (2009) Homeostatic sleep pressure and responses to sustained attention in the suprachiasmatic area. *Science* 324(5926),516-9 IF: 30,631
- Gais S, Albouy G, Boly M, Dang-Vu TT, Darsaud A, Desseilles M, Rauchs G, Schabus M, Sterpenich V, Vandewalle G, Maquet P and Peigneux P (2007) Sleep transforms the cerebral trace of declarative memories. *PNAS USA*, 104, 18778-83. IF: 10,2310
- Peigneux P, Orban P, Balteau E, Degueldre C, Luxen A, Laureys S, Maquet P (2006) Offline Persistence of Memory-Related Cerebral Activity during Active Wakefulness. *PLoS Biology*, 4, 647-658. IF: 14,6720