

Personal details

Born in Leuven, Belgium, December 24, 1968
Married with Anne MERGAM, July 4, 1998
Father of Clara, Hugo and Matias

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Professional address

Coma Science Group	Department of Neurology
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Present post

Senior Research Associate (tenure) at the Belgian National Fund for Scientific Research (FNRS), Head of the Coma Science Group, Cyclotron Research Center and Head of Clinics, Neurology Dept., University Hospital, University of Liège
Percent of time spent in: teaching (20%), research (60%), clinical (20%), private (0%)

Current h-index: 27

Cumulated impact factor: 690 (first or last author: 397)

University qualifications

1993 : Medical Doctor, Vrije Universiteit Brussel, Brussels, Belgium : magna laude
1997 : Master in Science (Medical and Pharmaceutical Research, Specialization in Pharmaceutical Medicine), Vrije Universiteit Brussel : magna laude
1998 : Qualified in Neurology, Ministry of Health, Belgium
2000 : Ph.D. in Biomedical Sciences, University of Liège, Liège, Belgium: summa cum laude
2004 : Qualified in Palliative Care (Université Libre de Bruxelles, Université de Liège, Université Catholique de Louvain) : magna laude
2007 : Agrégation de l'enseignement supérieur (ULg)
2008 : Clinical Professor (ULg)

Professional history

Clinical

1990-1993 : Internship at the University Hospital-Vrije Universiteit Brussel, the Academic Hospital Brugmann and St. Pierre, Van Helmont Hospital Brussels, Bond Moyson Hospital Menen and at the Stellenbosch University Hospital, Tygerberg, Cape Town, South Africa

1993-1994 : Resident in Internal Medicine, Academic Hospital Brugmann, Brussels
1994-1996 : Resident in Neurology, University Hospital-Vrije Universiteit Brussel, Brussels
1996-1997 : Resident in Psychiatry, University Hospital-Vrije Universiteit Brussel, Brussels
1997-1998: Resident in Neurology, University Hospital Sart Tilman, Liège
1999-2000 : Neurology Consultant, University Hospital- Vrije Universiteit Brussel, Brussels
1999-2004 : Positron Emission Tomography Neuro-Imaging Consultant, University Hospital Erasme- Université Libre de Bruxelles, Brussels
1998-2006 : Neurology Consultant, University Hospital Sart Tilman, Liège
2006-present: Head of Clinics, Neurology Dept, University Hospital Sart Tilman, Liège

Research

1992-1997 : Research Fellow, Department of Pharmaceutical Chemistry and Drug Analysis, Vrije Universiteit Brussel
2000-2003 : Postdoctoral Researcher, FNRS, University of Liège
1999-2004 : Scientific Research Worker, University Hospital Erasme, Université Libre de Bruxelles
2003-2007 : Research Associate, FNRS, University of Liège
2007-present : Senior Research Associate, FNRS, Head, Coma Science Group

Representative publications

Detecting awareness in the vegetative state

Owen AM, Coleman MR, Boly M, Davis MH, Laureys S, Pickard J
Science 313 (2006) 1402

Restoration of thalamocortical connectivity after recovery from persistent vegetative state

Laureys S, Faymonville ME, Luxen A, Lamy M, Franck G, Maquet P
Lancet 355 (2000) 1790-1791

Perception of pain in the minimally conscious state with PET activation: an observational study

Boly M, Faymonville ME, Schnakers C, Peigneux P, Lambermont B, Phillips C, Lancellotti P, Luxen A, Lamy M, Moonen G, Maquet P, Laureys S
Lancet Neurology, published online October 6 2008

Death, unconsciousness and the brain

Laureys S
Nature Reviews Neuroscience, 11 (2005) 899-909

Baseline brain activity fluctuations predict somatosensory perception in humans

Boly M, Balteau E, Schnakers C, Degueldre C, Moonen G, Luxen A, Phillips C, Peigneux P, Maquet P, Laureys S

Proceedings of the National Academy of Sciences (USA), 104 (2007) 12187-12192

Prizes and awards

1997 : Eli Lilly/Flemish Society of Neurology and Psychiatry – First Prize for Experimental Neurology
1997 : Prix De Vooght, Brussels
1999 : Lauréat Fondation Léon Fredericq, Liège
2000 : Human Brain Project Travel Award, Organization for Human Brain Mapping's 6th Annual Meeting, San Antonio, Texas USA
2000 : First Prize, European Society of Anesthesiologists' 9th Annual Meeting, Vienna, Austria

- 2001 : Human Brain Project Travel Award, Organization for Human Brain Mapping's 7th Annual Meeting, Brighton, UK
- 2002: Glaxo Smith Kline/ Belgian Neurological Society Award 2000-2002
- 2003 : Human Brain Project Travel Award, Organization for Human Brain Mapping's 9th Annual Meeting, New York, USA
- 2003 : European Federation of Neurological Societies Award, 7th Annual Meeting, Helsinki, Finland
- 2004 : ASSC William James Prize for Contributions to the Study of Consciousness, USA
- 2005 : Tom Slick Research Award in Consciousness, Mind Science Foundation, TX, USA
- 2006: Belgian Nuclear Research Centre - Pr Roger Van Geen Award
- 2006 : Tom Slick Research Award in Consciousness, Mind Science Foundation, TX, USA
- 2007: InBev-Baillet Latour Fund Clinical Research Prize
- 2007: Society of Cognitive Neuroscience Young Investigator Award, NY, USA

Funding

- 2008-2016: James S. McDonnell Foundation - Collaborative study of recovery of consciousness after severe brain injury (with N Schiff, NY and A Owen, Cambridge)
- 2007-2009 : Commission of the European Communities (contract # 043457) Measuring consciousness -Bridging the mind-brain gap (MindBridge)
- 2007-2010 : Commission of the European Communities Marie Curie Training Networks (contract # MRTN-CT-2006-035975) Disorders and Coherence of the Embodied Self (DISCOS)
- 2007-2010 : European Science Foundation - European Cooperation in the field of Scientific and Technical Research (COST) (contract # OC-2006-254) Consciousness: a transdisciplinary, integrated approach
- 2007-2010 : Netherlands Organization for Scientific Research - Innovational Research Incentives Scheme VIDI - Psychotic reactivity to stress: linking phenomenology, biology and genetics (collaboration with Dr Inez Myin-Germeys University of Maastricht)
- 2003-2006 : Mind Science Foundation, Texas
- 2006-2011 : University of Liège Concerted Research Action - Neuroscience, cognitive psychology and psychopathology of self-processing
- 2007-2010 : Belgian National Funds for Scientific Research (FRSM # 3.4.547.07 .F) Functional magnetic resonance imaging studies of the emergence of consciousness of thirst and hunger in patients in a vegetative state and in a minimally conscious state
- 2006-2009 : Belgian National Funds for Scientific Research (FRSM # 31.5.267.05 .F) Behavioral and functional magnetic resonance imaging studies of self-consciousness in patients in a minimally conscious state
- 2006 : Belgian National Funds for Scientific Research (CC # 1.5.071.06 .F) Cerebral processing of noxious somatosensory stimuli in the vegetative state : event related fMRI – thulium YAG study in individual patients
- 2005 : Belgian National Funds for Scientific Research (CC # 1.5.267.05 .F) Multimodal functional neuroimaging in severely brain-injured patients : A study of emotional processing and eye blink conditioning in minimally conscious patients
- 2004 : Belgian National Funds for Scientific Research (FRSM # 3.4.517.04 .F) Exploration of cerebral function and plasticity in severely brain-injured patients (coma, vegetative state, minimally conscious state and locked-in syndrome): A lesional approach to the study of human consciousness.

Fellowships and Scientific Memberships

- Management Committee Member of the European Cooperation in the field of Scientific and Technical Research
- Honorary International Fellow at the Institute of Complex Neuro-disability, Royal Hospital of

Neuro-disability, London, UK.

Member of the American Academy of Neurology Committee for the Development of Practice Guidelines for the Vegetative and Minimally Conscious State (2007)

Member of the European Federation of Neurological Societies Task Force for the Development of Management Guidelines for the Vegetative State (2007)

Research Collaborator, Oxford Centre for Neuroethics (2008)

Member of the Society for Neuroscience, Organization for Human Brain Mapping, Neuroethics Society, Association for the Scientific Study of Consciousness, Cognitive Neuroscience Society, European Neurological Society, European Federation of Neurological Societies, Academy for Multidisciplinary Neurotraumatology, Belgian Society of Neurology, Belgian Society of Neuroscience

Editorial and reviewing activities

Reviewer for French National Research Agency Referee; Fondation pour la Recherche Médicale, France;

Ad hoc commentator/reviewer for *Science*, *New England Journal of Medicine*, *Lancet*, *Lancet Neurology*, *J Clin Invest*, *Neuron*, *J American Medical Association*, *Brain*, *Annals of Neurology*, *Neurology*, *Neuroimage*, *Archives of Neurology*, *J Neurol Neurosurg Psych*, *J Neurol*, *Anesthesiology*, *Archives of Physical Medicine and Rehabilitation*, *Behavioral Brain Sciences*, *Consciousness & Cognition*, *Cephalgia*, *Epilepsia*, *Canadian Med Ass J*, *Eur J Neurology*, *Eur J Nucl Molec Imag*, *J Neurol Sci*, *Neuropsychologia*, *Psychiatry Res*, *Experimental Neurology*

Section Editor (Trauma and Rehabilitation) for *Current Opinion in Neurology* –2007

Section Editor for *Progress in Brain Research* - 2005

Organization of conferences

Interuniversity Continuing Medical Education Course, LECTURES IN MEDICINE, Coma and the Vegetative State, March 2003, CHU Sart-Tilman, Liège, Belgium

8th Annual Meeting of the Association for the Scientific Study of Consciousness, co-organizer and main organizer of SATELLITE SYMPOSIUM - COMA AND IMPAIRED CONSCIOUSNESS. University of Antwerp, June 24-28th, 2004, University of Antwerp, Belgium

11th Annual Meeting of the Association for the Scientific Study of Consciousness, co-organizer. Las Vegas, June 22nd-25th, 2007, USA

DISORDERS OF CONSCIOUSNESS, 87th Annual Conference of the Association for Nervous and Mental Disease and the New York Academy of Medicine, co-organizer with Nicholas Schiff, December 7-8th, 2007, NY, USA

Mechanisms of arousal of the central nervous system fundamental to awareness, sleep/wake physiology and circadian rhythms, International Conference to be held in 2008 co-organized with Donald Pfaff, Rockefeller University, NY

Publications

Theses

June 1993: M.D. *'Thalamic monoamines in rat models of mononeuropathic pain'*, Vrije Universiteit Brussel, Brussels

June 1997: M.Sc. Specialization in Pharmaceutical Sciences, *'Transient focal cerebral ischemia assessed by in vivo microdialysis and diffusion magnetic resonance imaging in the rat'*, Vrije Universiteit Brussel, Brussels

January 2000: Ph.D. in Medical Science, *'Functional neuroanatomy of vegetative state. A*

lesional approach to the study of human consciousness, University of Liège

June 2004 : Specialization in Palliative Care, *'Continuing and palliative care in vegetative state, minimally conscious state and locked-in syndrome'*, UCL-ULg-ULB

May 2007 : Agrégation Enseignement Supérieur, *'Measuring brain function in brain death, coma, vegetative state, minimally conscious state and locked-in syndrome: A quest for the neural correlates of consciousness'*, ULg.

Books

The boundaries of consciousness: Neurobiology and Neuropathology, Laureys S (Ed), Elsevier, Oxford, 632 pages Hardback, August 2005 ISBN: 0-444-51851-7; Paperback, July 2006 ISBN: 0-444-52876-8

The Neurology of Consciousness, Laureys S and Tononi G (Eds), Academic Press, New York, , 440 pages, Hardback, October 2008 ISBN-10: 0-12-374168-8

Peer reviewed publications in international journals

First or last author

1. Impaired effective cortical connectivity in vegetative state: Preliminary investigation using PET
Laureys S, Goldman S, Phillips C, Van Bogaert P, Aerts J, Luxen A, Franck G, Maquet P
Neuroimage 9 (1999) 377-382 [impact factor 8.930]
2. Cerebral metabolism during vegetative state and after recovery to consciousness [letter]
Laureys S, Lemaire C, Maquet P, Phillips C, Franck G
Journal of Neurology Neurosurgery and Psychiatry 67 (1999) 121 [impact factor 3.630]
3. Fluorodopa uptake and glucose metabolism in early stages of corticobasal degeneration
Laureys S, Salmon E, Garraux G, Peigneux P, Lemaire C, Degueldre C, Franck G
Journal of Neurology 246 (1999) 1151-1158 [impact factor 2.846]
4. Restoration of thalamocortical connectivity after recovery from persistent vegetative state [letter]
Laureys S, Faymonville ME, Luxen A, Lamy M, Franck G, Maquet P
Lancet 355 (2000) 1790-1791 [impact factor 21.713]
5. PET scanning and neuronal loss in acute vegetative state [comment]
Laureys S, Faymonville ME, Moonen G, Luxen A, Maquet P
Lancet 355 (2000) 1825-1826 [impact factor 21.713]
6. Auditory processing in the vegetative state
Laureys S, Faymonville ME, Degueldre C, Del Fiore G, Damas P, Lambermont B, Janssens N, Aerts J, Franck G, Luxen A, Moonen G, Lamy M, Maquet P
Brain 123 (2000) 1589-1601 [impact factor 8.201]
7. Experience-dependent changes in cerebral functional connectivity during human rapid eye movement sleep
Laureys S, Peigneux P, Phillips C, Fuchs S, Degueldre C, Aerts J, Del Fiore G, Petiau C, Luxen A, Van der Linden M, Cleeremans A, Smith C, Maquet P
Neuroscience 105 (2001) 521-525 [impact factor 3.924]
8. Sleep and motor skill learning [comment]
Laureys S, Peigneux P, Perrin F, Maquet P
Neuron 35 (2002) 5-7 [impact factor 16.702]

9. Cortical processing of noxious somatosensory stimuli in the persistent vegetative state
Laureys S, Faymonville ME, Peigneux P, Damas P, Lambermont B, Del Fiore G, Degueldre C, Aerts J, Luxen A, Franck G, Lamy M, Moonen G, Maquet P
Neuroimage, 17 (2002) 732-741 [impact factor 8.930]
10. Brain function in the vegetative state
Laureys S, Antoine S, Boly M, Elinx S, Faymonville ME, Berré J, Sadzot B, Ferring M, De Tiège X, Lambermont B, Damas P, Van Bogaert P, Del Fiore G, Aerts J, Degueldre C, Phillips C, Franck G, Vincent JL, Lamy M, Luxen A, Moonen G, Goldman S, Maquet P
Acta Neurologica Belgica 102 (2002) 177-185 [impact factor 0.697]
11. Increased cerebral functional connectivity underlying the antinociceptive effects of hypnosis
Faymonville ME, Roediger L, Del Fiore G, Degueldre C, Phillips C, Lamy M, Luxen A, Maquet P, Laureys S
Cognitive Brain Research, 17 (2003) 255-262 [impact factor 2.884]
12. Learned material content and acquisition level modulate cerebral reactivations during human REM sleep
Peigneux P and Laureys S, Fuchs S, Collette F, Delbeuck X, Phillips C, Aerts J, Del Fiore G, Degueldre C, Luxen A, Cleeremans A, Maquet P
Neuroimage 20 (2003) 125-134. [impact factor 8.930]
13. Favorable outcome of a brain trauma patient despite bilateral loss of cortical somatosensory evoked potential during thiopental sedation
Robe PA, Dubuisson A, Bartsch S, Damas P, Laureys S
Journal of Neurology Neurosurgery and Psychiatry 74 (2003) 1157-1158 [impact factor 3.630]
14. Functional neuroimaging of auditory processing
Laureys S, Salmon E, Goldman S, Majerus S
Acta Otorhinolaryngologica Belg 57 (2003) 267-273
15. Brain, conscious experience and the observing self
Baars B, Ramsay T, Laureys S
Trends in Neurosciences, 26 (2003) 671-675 [impact factor 14.474]
16. Auditory processing in severely brain injured patients: differences between the minimally conscious state and the persistent vegetative state
Boly M, Faymonville ME, Peigneux P, Lambermont B, Damas P, Del Fiore G, Degueldre C, Franck G, Luxen A, Lamy M, Moonen G, Maquet P, Laureys S
Archives of Neurology 61 (2004) 233-238 [impact factor 4.393]
17. Cerebral processing in the minimally conscious state
Laureys S, Perrin F, Faymonville ME, Schnakers C, Boly M, Bartsch V, Majerus S, Moonen G, Maquet P
Neurology 63 (2004) 916-918 [impact factor 5.340]
18. Imagine imaging neural activity in crying infants and in their caring parents (Commentary)
Laureys S, Goldman S
Behavioral and Brain Sciences, 27 (2004) 465-467 [impact factor 17.312]
19. Brain function in coma, vegetative state, and related disorders
Laureys S, Owen A, Schiff N
Lancet Neurology 3 (2004) 537-46 [impact factor 10.2]
20. Functional neuroimaging in the vegetative state
Laureys S

NeuroRehabilitation 19 (2004) 335-341 [impact factor 0.656]

21. Neural mechanisms involved in the detection of our first name: a combined ERPs and PET study
Perrin F, Maquet P, Peigneux P, Ruby P, Degeuldre C, Balteau E, Del Fiore G, Moonen G, Luxen A, Laureys S
Neuropsychologia 43 (2005) 12-19 [impact factor 3.302]
22. Diagnostic et évaluation des états de conscience altérée
Schnakers C, Majerus S, Laureys S
Réanimation 13 (2004)368-375
23. Cerebral processing of auditory and noxious stimuli in severely brain injured patients: differences between VS and MCS
Boly M, Faymonville ME, Peigneux P, Lambermont B, Damas F, Luxen A, Lamy M, Moonen G, Maquet P, Laureys S
Neuropsychological Rehabilitation, 15 (2005) 283-289 [impact factor 1.200]
24. Are spatial memories strengthened in the human hippocampus during slow wave sleep?
Peigneux P and Laureys S, Fuchs S, Collette F, Perrin F, Reggers J, Phillips C, Degueuldre C, Del Fiore G, Aerts J, Luxen A, Maquet P.
Neuron 44 (2004) 535-545 [impact factor 14.109]
25. Zerebrale Funktionen bei hirngeschädigten Patienten. Was bedeuten Koma, „vegetative state“, „minimally conscious state“, „Locked-in-Syndrom“ und Hirntod?
Faymonville ME, Pantke KH, Berré J, Sadzot B, Ferring M, De Tiège X, Mavroudakis N, van Bogaert P, Lambermont B, Damas P, Franck G, Lamy M, Luxen A, Moonen G, Goldman S, Maquet P, Laureys S
Anaesthetist 12 (2004) 1195-1202 [impact factor 0.982]
26. Brain function in the vegetative state
Laureys S, Faymonville ME, De Tiège X, Peigneux P, Berré J, Moonen G, Goldman S, Maquet P
Advances in Experimental Medicine and Biology 550 (2004) 229-38 [impact factor 0.642]
27. Bispectral analysis of electroencephalogram signals during recovery from coma: preliminary findings
Schnakers C, Majerus S, Laureys S
Neuropsychological Rehabilitation, 15 (2005) 381-388 [impact factor 1.200]
28. Death, unconsciousness and the brain
Laureys S
Nature Reviews Neuroscience, 11 (2005) 899-909 [impact factor 27.007]
29. Cerebral processing in the minimally conscious state [letter]
Schnakers C, Boly M, Majerus S, Laureys S
Neurology, 65 (2005) 973-974 [impact factor 5.340]
30. Residual cognitive function in comatose, vegetative and minimally conscious states
Laureys S, Perrin F, Schnakers C, Boly C, Majerus S
Current Opinion in Neurology, 18 (2005) 726-733 [impact factor 5.229]
31. One, not two, neural correlates of consciousness [letter]
Baars BJ, Laureys S
Trends Cogn Sci, 9 (2005) 269 [impact factor 11.606]
32. The neural correlate of (un)awareness: lessons from the vegetative state
Laureys S

- Trends Cogn Sci*, 9 (2005) 556-559 [impact factor 11.606]
33. The cognitive modulation of pain: hypnosis- and placebo-induced analgesia
Kupers R, Faymonville M-E, Laureys S
Progress in Brain Research, 150 (2005) 251-269 [impact factor 3.357]
 34. Posterior cingulate, precuneal and retrosplenial cortices: cytology and components of the neural network correlates of consciousness
Vogt BA, Laureys S
Progress in Brain Research, 150 (2005) 205-217 [impact factor 3.357]
 35. The locked-in syndrome: what is it like to be conscious but paralyzed and voiceless
Laureys S, Pellas F, Van Eeckhout P, Ghorbel S, Schnakers C, Perrin F, Berré J, Faymonville ME, Pantke KH, Damas F, Lamy M, Moonen G, Goldman S
Progress in Brain Research, 150 (2005) 495-511 [impact factor 3.357]
 36. Behavioral evaluation of consciousness in severe brain damage
Majerus S, Gill-Twaites H, Andrews K, Laureys S
Progress in Brain Research, 150 (2005) 397-413 [impact factor 3.357]
 37. Functional neuroimaging applications for assessment and rehabilitation planning in patients with disorders of consciousness
Giacino J, Hirsch J, Schiff N, Laureys S
Archives of Physical Medicine and Rehabilitation, 87 (2006) 67-76 [impact factor 1.409]
 38. Vogt BA, Vogt L, Laureys S
Cytology and functionally correlated circuits of human posterior cingulate areas.
Neuroimage 29 (2006) 452-66 [impact factor 8.930]
 39. Laureys S, Piret S, Ledoux D
Quantifying consciousness
Lancet Neurol 4 (2005) 789-790 [impact factor 10.2]
 40. Brain response to one's own name in vegetative state, minimally conscious state and locked-in syndrome
Perrin F, Schnakers C, Schabus M, Degeuldre C, Goldman S, Brédart S, Faymonville ME, Lamy M, Moonen G, Luxen A, Maquet P, Laureys S
Archives of Neurology 63 (2006) 562-569 [impact factor 4.393]
 41. Orbitofrontal cortex involvement in chronic analgesic-overuse headache evolving from episodic migraine
Fumal A and Laureys S (contributed equally), Di Clemente L, Boly M, Bohotin V, Vandenhede M, Coppola G, Salmon E, Kupers R, Schoenen J
Brain 129 (2006) 543-550 [impact factor 8.201]
 42. One's own face is hard to ignore
Brédart S, Delchambre M, Laureys S
Quarterly Journal of Experimental Psychology, 59 (2006) 46-52 [impact factor 1.728]
 43. Eyes open, brain shut: the vegetative state
Laureys S
Scientific American, 4 (2007) 32-37 [impact factor 3.282]
 44. Functional neuroanatomy of the hypnotic state
Faymonville ME, Boly M, Laureys S
J Physiol Paris, 99 (2006) 463-469 [impact factor 1.505]
 45. Brain function in altered states of consciousness: comparison between Alzheimer Dementia and Vegetative State
Boly M, Salmon E, Laureys S

Cognitive Sciences, 2 (2006) 44-64

46. Tracking the recovery of consciousness from coma
Laureys S, Boly M, Maquet P
J Clin Invest, 116 (2006) 1823-1825 [impact factor 14.307]
47. Does the FOUR score correctly diagnose the vegetative and minimally conscious states?
Schnakers C, Giacino J, Kalmar K, Piret S, Lopez E, Boly M, Malone R, Laureys S
Annals of Neurology, 60 (2006) 744-5 [impact factor 8.603]
48. How should functional imaging of patients with disorders of consciousness contribute to their clinical rehabilitation needs?
Laureys S, Giacino JT, Schiff ND, Schabus M, Owen AM
Current Opinion in Neurology, 19 (2006) 520-527 [impact factor 5.229]
49. Baseline brain activity fluctuations predict somatosensory perception in humans
Boly M, Balteau E, Schnakers C, Degueldre C, Moonen G, Luxen A, Phillips C, Peigneux P, Maquet P, Laureys S
Proceedings of the National Academy of Sciences (USA), 104 (2007) 12187-12192 [impact factor 10.700]
50. Cognitive function in the locked in syndrome
Schnakers C, Majerus S, Goldman S, Boly M, Van Eeckhout P, Gays S, Pellas F, Bartsch V, Peigneux P, Moonen G, Laureys S
Journal of Neurology 255 (2008) 323-330 [impact factor 2.846]
51. Self-consciousness in non-communicative patients
Laureys S, Perrin F, Brédart S
Consciousness & Cognition, 16 (2007) 722-741 [impact factor 3.182]
52. Naloxone-insensitive epidural placebo analgesia in a chronic pain patient
Kupers R, Maeyaert J, Boly M, Faymonville ME, Laureys S
Anesthesiology, 106 (2007) 1239-1242 [impact factor 4.625]
53. Brain function in physiologically, pharmacologically and pathologically altered states of consciousness
Boveroux P, Bonhomme V, Boly M, Vanhaudenhuyse A, Maquet P, Laureys S
International Anesthesiology Clinics 46 (2008) 131-46
54. Revelations from the Unconscious
Laureys S
Bull Mem Acad R Med Belg, invited review
55. Locked-in : don't judge a book by its cover
Bruno M-A, Bernheim J, Schnakers C, Laureys S
Journal of Neurology Neurosurgery and Psychiatry, 79 (2008) 2 [impact factor 3.630]
56. Measuring the effect of amantadine in chronic anoxic minimally conscious state
Schnakers C, Hustinx R, Vandewalle G, Majerus S, Moonen G, Vanhaudenhuyse A, Laureys S
Journal of Neurology Neurosurgery and Psychiatry 79 (2008) 225-227 [impact factor 3.630]
57. Intrinsic brain activity in altered stated of consciousness – how conscious is the default mode of brain function?
Boly M, Phillips C, Tshibanda L, Vanhaudenhuyse A, Schabus M, Dang-Vu TT, Moonen G, Hustinx R, Maquet P, Laureys S
Annals of the New York Academy of Sciences, 1129 (2008) 119–129 [impact factor 1.971]

58. Consciousness and cerebral baseline activity fluctuations
Boly M, Phillips C, Balteau E, Schnakers C, Degueldre C, Moonen G, Luxen A, Peigneux P, Faymonville ME, Maquet P, Laureys S
Human Brain Mapping, 29 (2008) 868-74 [impact factor 6.058]
59. What is it like to be vegetative or minimally conscious ?
Laureys S and Boly M
Current Opinion in Neurology, 20 (2007) 609-13 [impact factor 5.229]
60. The challenge of disentangling reportability and phenomenal consciousness in post-comatose states [letter]
Vanhaudenhuyse A, Bruno M-A, Brédart S, Plenevaux A, Laureys S
Behavioral and Brain Sciences, 5-6 (2007) 529-530 [impact factor 17.312]
61. Détecter les signes de conscience chez le patient en état de conscience minimale
Vanhaudenhuyse A, Schnakers C, Boly M, Perrin F, Brédart S, Laureys S
Réanimation, 16 (2007) 527-532
62. Effect of clonidine infusion on distribution of regional cerebral blood flow in volunteers
Bonhomme V, Maquet P, Phillips C, Plenevaux A, Hans P, Luxen A, Lamy M, Laureys S
Anesthesia & Analgesia, 106 (2008) 899-909 [impact factor 2.452]
63. Assessment of visual pursuit in post-comatose states: use a mirror
Vanhaudenhuyse A, Schnakers C, Brédart S, Laureys S
Journal of Neurology Neurosurgery and Psychiatry, 79 (2008) 223 [impact factor 3.630]
64. Are we equal in death? Avoiding diagnostic error in brain death
Laureys S, Fins JJ
Neurology, 70 (2008) e14-15 [impact factor 5.340]
65. Neuroimaging activation studies in the vegetative state: predictors of recovery?
Di H, Boly M, Weng X, Ledoux D, Laureys S
Clinical Medicine, 8 (2008) 502-507 [impact factor 1.300]
66. Le Locked-In Syndrome : la conscience emmurée
Bruno MA, Pellas F, Schnakers C, Van Eeckhout P, Bernheim J, Pantke K-H, Damas F, Faymonville ME, Moonen G, Goldman S, Laureys S
Revue Neurologique, 164 (2008) 322–335
67. Blink to visual threat does not herald consciousness in the vegetative state
Vanhaudenhuyse A, Giacino J, Schnakers C, Kalmar K, Smart C, Bruno M-A, Gosseries O, Moonen G, Laureys S
Neurology, in press [impact factor 5.340]
68. The Boundaries of consciousness: lessons from coma and related states
Laureys S, Boly M, Moonen G
Advances in Clinical Neuroscience and Rehabilitation, 8 Suppl (2008) 4-5

69. A twitch of consciousness: defining the boundaries of vegetative and minimally conscious states
Noirhomme Q, Schnakers C, Laureys S
J Neurol Neurosurg Psychiatry 79 (2008) 741-742 [impact factor 3.630]
70. A French validation study of the Coma Recovery Scale-Revised (CRS-R)
Schnakers C, Majerus S, Giacino J, Vanhauzenhuysse A, Bruno MA, Boly M, Moonen G, Damas P, Lambermont B, Lamy M, Damas F, Ventura M, Laureys S
Brain Injury, 22 (2008)786-792 [impact factor 1.471]
71. The changing spectrum of coma
Laureys S, Boly M
Nature Clinical Practice Neurology 4 (2008) 544-546 [impact factor 4.339]
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Selected Invited lectures

What is it like to be in a vegetative or minimally conscious state, From neural code to brain-machine interface, Paris September 27-29

Ethics, Neuroimaging and Limited States of Consciousness, June 2007, Stanford University, USA

Between life and death: Implications of cognitive neuroscience for the mental, moral and legal status of severely brain-damaged patients, Annual Meeting Cognitive Neuroscience Society, May 5-8, 2007, NY

Awareness in the vegetative state - International Symposium on Intensive Care and Emergency Medicine, 27-30 March 2007, Brussels

Cambridge VS and MCS symposium, September 26-27th 2007, Cambridge, UK

Brain Mind Institute of the Swiss Federal Institute of Technology , August 29-31, 2007 Lausanne

Aspen Private Retreat for Consciousness Research, August 1-5, 2007, Aspen, USA

Cold Spring Harbor Laboratory summer course on Molecular Mechanisms of Arousal and Attention, June 23 – June 29, 2007, Banbury, USA

The Self and the Soul in Science and Society, House of Lords, November 27, 2006, London, UK
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European guidelines for management of the vegetative state
Disorders of Consciousness: Building Consensus for a Congressional Report, International Brain Injury Association, Mohonk Mountain House, April 21-23, 2006, NY

Eyes wide open, brain wide shut : self-unconsciousness and the vegetative state
Toward a Science of Consciousness, April 4-8, 2006, Tucson, Arizona

Altered states of consciousness
12th Annual Meeting of the Organization for Human Brain Mapping, June 11-15, 2006, Florence, Italy

Consciousness : what can we learn from the vegetative state?
College de France, March 22, 2006, Paris

Eyes wide open, brain wide shut: lessons from the vegetative state
Royal Society London, Christmas Symposium 'The Conscious Brain', December 14, 2005, London

TOM SLICK RESEARCH AWARD IN CONSCIOUSNESS : Wakefulness without awareness: lessons from Terri Schiavo and other victims of the vegetative state
9th Annual Meeting of the Association for the Scientific Study of Consciousness, June 24-27, 2005, California Institute of Technology. Caltech, Pasadena, CA, USA

Altered states of consciousness
Conscience, Mémoire et Attention, Ecole d'été CNRS, June 6-18, 2005, Cargèse, Corse

Has neuroimaging identified the 'neural correlate of consciousness' ?
Society of Nuclear Medicine 52nd Annual Meeting, June 18-22, 2005, Toronto, Canada

Conscious experience and the observing self
Hughlings Jackson Lecture, Meeting on Persistent Vegetative State, June 3, 2004, Royal Society of Medicine, London

Parietal Lobes and Consciousness
British Neuropsychiatry Association Annual Conference, 27 February, 2004, London, UK

International Congress on Life-Sustaining Treatments and Vegetative State: Scientific Advances and Ethical Dilemmas, World Federation of Catholic Medical Associations and Pontifical Academy of Life, , 17-20 March, 2004, Rome

Functional neuroimaging in patients with altered states of consciousness
Hertie Institute for Clinical Brain Research, University of Tübingen, July 7, 2004

Journée de Neuropsychologie J-L Signoret, La conscience dans tous ses états : Neurosciences cognitives des états de conscience associés aux pathologies neurologiques. 27 Octobre, 2003, Hôpital de la Salpêtrière, Paris

Brain function in the vegetative state - Coma Study Group, 22 October 2003, Cognition and Brain Sciences Unit, Addenbrooke's Hospital, Cambridge, UK

The incompetent patient - Experts Conference on Ethics in Research, 16th European Society of Intensive Care Medicine Annual Congress, 4 October 2003, Amsterdam

Functional Neuroimaging Applications in Disorders of Consciousness, 15th Annual Conference on Rebuilding Shattered Lives, Cognitive Rehabilitation of Traumatic Brain Injury and Stroke, Office of Continuing Medical Education for Neurorehabilitation Specialists, November 5, 2003, JFK Johnson Rehabilitation Institute, Edison, New Jersey, USA

The Boundaries of Consciousness, University of the Incarnate Word, School of Medicine, November 10, 2003, San Antonio, Texas, USA

The functional neuroanatomy of awareness and wakefulness, Tohoku Medical Society Seminar, 7 Jun, 2002, Tohoku University, School of Medicine, Sendai, Japan

Scoring consciousness at the ICU - International Symposium on Intensive Care and Emergency Medicine, 18-21 March 2002, Bruxelles