

Slow Waves in Cortical Slices: How Spontaneous Activity is Shaped by Laminar Structure

Cristiano Capone, Beatriz Rebollo, Alberto Muñoz, Xavi Illa, Paolo Del Giudice,
Maria V Sanchez-Vives, Maurizio Mattia ✉ [Author Notes](#)

→ Publication in *Cerebral Cortex*
on how slow wave propagation
is shaped by the structure of
the cortical layers.

<https://doi.org/10.1093/cercor/bhx326>

HBP Highlight

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→ Nature Neuroscience publication on the unrecognized role of the thalamus in regulating ocular dominance plasticity

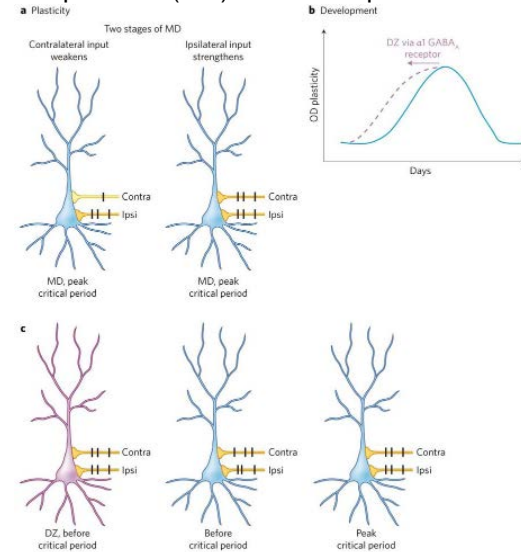
→ <https://www.nature.com/articles/s41593-017-0002-3>

Thalamic inhibition regulates critical-period plasticity in visual cortex and thalamus

Jean-Pierre Sommeijer, Mehran Ahmadlou, M. Hadi Saiepour, Koen Seignette, Rogier Min, J. Alexander Heimel & Christiaan N. Levelt ✉

→ News and Views dedicated to the publication

Fig. 1: The 'underdog' ipsilateral input pathway strengthens during monocular deprivation (MD) and development.



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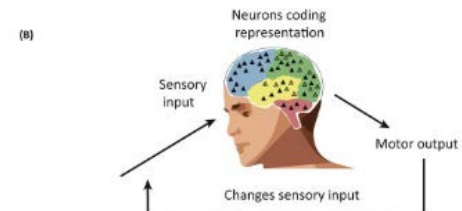
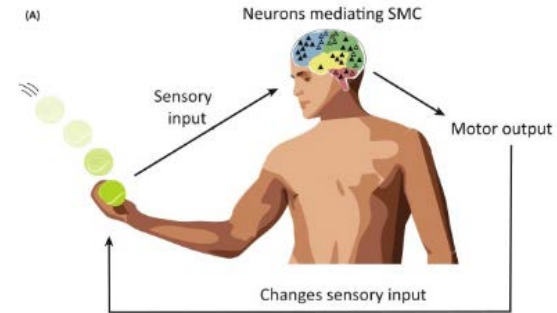
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Consciousness, Representation, Action: The Importance of Being Goal-Directed

Cyriel M.A. Pennartz  

→ *Trends in Cognitive Sciences*
<http://dx.doi.org/10.1016/j.tics.2017.10.006>

→ Opinion paper arguing against a predominant role of sensorimotor actions in generating conscious representations, and proposing a strong coupling between consciousness and goal-directed, deliberative actions as alternative



Trends in Cognitive Sciences

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3^{ème} JOURNÉE EUROPÉENNE DU
COMA

Mercredi
8 NOVEMBRE 2017
18:00 - 21:00

Salle Académique
XX A001 - Liège

Infos & Inscriptions
www.eventbrite.com
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Entrée gratuite

LE DON D'ORGANES

- ▶ **CONFÉRENCES**
Spécialistes du don d'organes: S. Laureys (ULiège), D. Ledoux (ULiège), O. Detry (ULiège), J. Berré (ULB) et J. Pierrne (KUJ)
- ▶ **TÉMOIGNAGES**
Patients receveurs et familles de patients donneurs
- ▶ **QUESTIONS-RÉPONSES**
Mme M.-H. Delbouille (coordinatrice Transplantation CHU Liège)
- ▶ **COCKTAIL ACOUSTIQUE**
Concert du groupe L'ARACINE et apéro

Coma Science Group



Third European Day of Coma organized by University of LIEGE on the theme of organ donation and associated ethics



Neural Correlates of Consciousness: Progress and Problems - Johan Storm

Chair: Johan Storm, PhD

University of Oslo

Co-Chair: Melanie Boly, MD, PhD

University of Wisconsin-Madison

Date & Time: Wednesday, November 15, 2017 1:30pm - 4pm

Location: Ballroom B

CME: 2.5

Consciousness research is developing rapidly. Using evidence from brain injury in patients and physiological and behavioral studies in humans and related animals (single neuron, fMRI, EEG, TMS, intracranial recordings), the symposium will highlight how different conscious states and contents arise in the brain. Speakers will discuss different experimental approaches and theoretical frameworks as well as the medical and ethical relevance of this area.

Symposium on consciousness organized by HBP partners including Johan Storm, Marcello Massimini, and Cyriel Pennartz in collaboration with Christof Koch at SfN annual meeting 2017 in Washington, D.C.



Associated mini review on consciousness in the Journal of Neuroscience

<https://doi.org/10.1523/JNEUROSCI.1838-17.2017>



Consciousness Regained: Disentangling Mechanisms, Brain Systems, and Behavioral Responses

Johan F. Storm, Mélanie Boly, Adenauer G. Casali, Marcello Massimini, Umberto Olcese, Cyriel M.A. Pennartz, and Melanie Wilke