

Consensus Papers from Panels of Experts

Consensus Paper: Pathological Role of the Cerebellum in Autism

There has been significant advancement in various aspects of scientific knowledge concerning the role of cerebellum in the etiopathogenesis of autism. In the current **consensus paper**, we will observe the diversity...

S. Hossein Fatemi, Kimberly A. Aldinger, Paul Ashwood, Margaret L. Bauman... in *The Cerebellum* (2012)

Consensus Paper: Roles of the Cerebellum in Motor Control—The Diversity of Ideas on Cerebellar Involvement in Movement

Considerable progress has been made in developing models of cerebellar function in sensorimotor control, as well as in identifying key problems that are the focus of current investigation. In this **consensus paper**

Mario Manto, James M. Bower, Adriana Bastos Conforto... in *The Cerebellum* (2012)

Consensus Paper: Current Views on the Role of Cerebellar Interpositus Nucleus in Movement Control and Emotion

In the present paper, we examine the role of the cerebellar interpositus nucleus (IN) in motor and non-motor domains. Recent findings are considered, and we share the following conclusions: IN as part of the o...

Vincenzo Perciavalle, Richard Apps, Vlastislav Bracha... in *The Cerebellum* (2013)

Consensus Paper: The Cerebellum's Role in Movement and Cognition

While the cerebellum's role in motor function is well recognized, the nature of its concurrent role in cognitive function remains considerably less clear. The current **consensus paper** gathers diverse views on a va...

Leonard F. Koziol, Deborah Budding, Nancy Andreasen, Stefano D'Arrigo... in *The Cerebellum* (2014)

Consensus Paper: Management of Degenerative Cerebellar Disorders

Treatment of motor symptoms of degenerative cerebellar ataxia remains difficult. Yet there are recent developments that are likely to lead to significant improvements in the future. Most desirable would be a caus...

W. Ilg, A. J. Bastian, S. Boesch, R. G. Burciu, P. Celnik, J. Claaßen... in *The Cerebellum* (2014)

Non-invasive Cerebellar Stimulation—a Consensus Paper

The field of neurostimulation of the cerebellum either with transcranial magnetic stimulation (TMS; single pulse or repetitive (rTMS)) or transcranial direct current stimulation (tDCS; anodal or cathodal) is g...

G. Grimaldi, G. P. Argyropoulos, A. Boehringer, P. Celnik, M. J. Edwards... in *The Cerebellum* (2014)

Consensus Paper: Pathological Mechanisms Underlying Neurodegeneration in Spinocerebellar Ataxias

Intensive scientific research devoted in the recent years to understand the molecular mechanisms of neurodegeneration in spinocerebellar ataxias (SCAs) are identifying new pathways and targets providing new in...

A. Matilla-Dueñas, T. Ashizawa, A. Brice, S. Magri, K. N. McFarland... in *The Cerebellum* (2014)

Consensus Paper: Language and the Cerebellum: an Ongoing Enigma

In less than three decades, the concept “cerebellar neurocognition” has evolved from a mere afterthought to an entirely new and multifaceted area of neuroscientific research. A close interplay between three main ...

Peter Mariën, Herman Ackermann, Michael Adamaszek, Caroline H. S. Barwood... in *The Cerebellum* (2014)

Consensus Paper: Cerebellar Development

The development of the mammalian cerebellum is orchestrated by both cell-autonomous programs and inductive environmental influences. Here, we describe the main processes of cerebellar ontogenesis, highlighting...

Ketty Leto, Marife Arancillo, Esther B. E. Becker, Annalisa Buffo... in *The Cerebellum* (2015)

Consensus Paper: The Role of the Cerebellum in Perceptual Processes

Various lines of evidence accumulated over the past 30 years indicate that the cerebellum, long recognized as essential for motor control, also has considerable influence on perceptual processes. In this **paper**, w...

Oliver Baumann, Ronald J. Borra, James M. Bower, Kathleen E. Cullen... in *The Cerebellum* (2015)

Consensus Paper: Radiological Biomarkers of Cerebellar Diseases

Hereditary and sporadic cerebellar ataxias represent a vast and still growing group of diseases whose diagnosis and differentiation cannot only rely on clinical evaluation. Brain imaging including magnetic res...

Leonardo Baldaçara, Stuart Currie, M. Hadjivassiliou, Nigel Hoggard... in *The Cerebellum* (2015)

The Role of the Cerebellum in Multiple Sclerosis

In multiple sclerosis (MS), cerebellar signs and symptoms as well as cognitive dysfunction are frequent and contribute to clinical disability with only poor response to symptomatic treatment. The current **consensus**

Katrin Weier, Brenda Banwell, Antonio Cerasa, D. Louis Collins... in *The Cerebellum* (2015)

Consensus Paper: Towards a Systems-Level View of Cerebellar Function: the Interplay Between Cerebellum, Basal Ganglia, and Cortex

Despite increasing evidence suggesting the cerebellum works in concert with the cortex and basal ganglia, the nature of the reciprocal interactions between these three brain regions remains unclear. This **consensus**

[Daniele Caligiore](#), [Giovanni Pezzulo](#), [Gianluca Baldassarre](#)... in *The Cerebellum* (2016)

Consensus Paper: Cerebellum and Emotion

Over the past three decades, insights into the role of the cerebellum in emotional processing have substantially increased. Indeed, methodological refinements in cerebellar lesion studies and major technological ...

[M. Adamaszek](#), [F. D'Agata](#), [R. Ferrucci](#), [C. Habas](#), [S. Keulen](#), [K. C. Kirkby](#)... in *The Cerebellum* (2016)

Consensus Paper: Revisiting the Symptoms and Signs of Cerebellar Syndrome

The cerebellum is involved in sensorimotor operations, cognitive tasks and affective processes. Here, we revisit the concept of the cerebellar syndrome in the light of recent advances in our understanding of c...

[Florian Bodranghien](#), [Amy Bastian](#), [Carlo Casali](#), [Mark Hallett](#)... in *The Cerebellum* (2016)

The Roles of the Olivocerebellar Pathway in Motor Learning and Motor Control. A Consensus Paper

For many decades, the predominant view in the cerebellar field has been that the olivocerebellar system's primary function is to induce plasticity in the cerebellar cortex, specifically, at the parallel fiber...

[Eric J. Lang](#), [Richard Apps](#), [Fredrik Bengtsson](#), [Nadia L Cerminara](#)... in *The Cerebellum* (2016)

Consensus Paper: Neuroimmune Mechanisms of Cerebellar Ataxias

In the last few years, a lot of publications suggested that disabling cerebellar ataxias may develop through immune-mediated mechanisms. In this **consensus paper**, we discuss the clinical features of the...

[Hiroschi Mitoma](#), [Keya Adhikari](#), [Daniel Aeschlimann](#), [Partha Chattopadhyay](#)... in *The Cerebellum* (2016)