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Critical Review: Maximum of 7,000 words (not including abstract, tables, figures, or references) and a 250 word abstract. Critical Reviews will be considered on any important topic in neuropsychology. Quantitative meta-analyses are encouraged. Critical Reviews must be preapproved by the Editor-in-Chief. For consideration, please e-mail your abstract to jins@cambridge.org.

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In recent years, significant advances have been made in the area of preclinical detection of brain disorders. Studies on early detection of these conditions have significantly improved understanding of etiology and diagnosis and opened new avenues for management. Presymptomatic detection is also essential to the development of effective intervention strategies as it provides a window for preventing/delaying onset or reducing severity.

Investigators are invited to submit empirical papers for a special issue of *JINS* to be published in 2016. The issue will present findings that exemplify key methodological advances for preclinical detection of a variety of neurological, neurodevelopmental, and neuropsychiatric conditions. Papers focusing on genetic detection, phenotypic characterization using cognitive and/or imaging methods, biomarker effectiveness, and data mining techniques are particularly sought. Papers focusing on ethical considerations in the clinical and research use of preclinical prediction strategies are welcome. Submitted empirical papers are encouraged to provide substantive integrative and synthetic summaries of the current status of preclinical detection methodologies and future directions for the field.

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Deadline for submission is January 15, 2016



Call for Papers

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Motor Cognition in Health and Brain Disorders: Understanding Neurocognitive Mechanisms and Plasticity

Motor cognition refers to the representation of action and its associated cognitive processes. The field can be traced back to pioneering work of Lashley, Jeannerod, Rizzolatti, Goodale, Georgopoulos, and others who sought to understand how basic mechanisms that control bodily movement are selected, assembled and represented in the brain, whether the action is performed or not. The richness of the field today can be appreciated by the scope of scientific inquiries that stand to unravel the cerebral mechanisms of action plans, reaching and grasping, motor affordances, action semantics, action understanding and joint action, motor imagery, and movement sequencing and coordination. This exciting research has advanced understandings of disorders such as optic ataxia, utilization behavior, apraxia, Parkinson's and Huntington's disease, autism spectrum disorders, and developmental coordination disorder, to name just a few. Highly translational research findings have further brought about the development of new treatment strategies for the rehabilitation of motor impairments, ranging from the use of motor imagery during gait recovery after cerebral injury to the use of neurostimulation to improve movements in acquired and degenerative brain disease. Cutting-edge developments of cognitive-based neural prostheses for paralyzed patients also stem from basic science research in motor cognition. *JINS* wishes to highlight the research on action representation and its neural underpinnings in a special issue on motor cognition.

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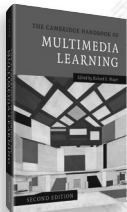
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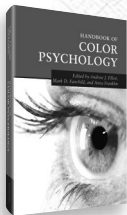


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Co-organizers: Kirk I. Erickson, J. Carson Smith, and Stephen M. Rao

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- 841 *Cardiorespiratory Fitness Attenuates the Influence of Amyloid on Cognition* S.A. Schultz, E.A. Boots, R.P. Almeida, J.M. Oh, J. Einerson, C.E. Korcarz, D.F. Edwards, R.L. Kosciak, M.N. Dowling, C.L. Gallagher, B.B. Bendlin, B.T. Christian, H. Zetterberg, K. Blennow, C.M. Carlsson, S. Asthana, B.P. Hermann, M.A. Sager, S.C. Johnson, J.H. Stein, and O.C. Okonkwo
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- 861 *Physical Activity as Protective Factor against Dementia: A Prospective Population-Based Study (NEDICES)* S. Llamas-Velasco, I. Contador, A. Villarejo-Galende, D. Lora-Pablos, and F. Bermejo-Pareja
- 868 *Prefrontal and Hippocampal Brain Volume Deficits: Role of Low Physical Activity on Brain Plasticity in First-Episode Schizophrenia Patients* S.C. McEwen, A. Hardy, B.M. Ellingson, B. Jarrahi, N. Sandhu, K.L. Subotnik, J. Ventura, and K.H. Nuechterlein
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