Aims and Scope: The Journal of the International Neuropsychological Society welcomes original, creative, high-quality research papers covering all areas of neuropsychology. The Society is an official publication of The International Neuropsychological Society. Contributions will broadly reflect the interests and concerns of neuropsychology, including but not limited to: Development of cognitive processes, brain-behavior relationships, child neuropsychology, adult neuropsychology, neuropsychological disorders of speech and language, and the interactions of neuropsychology with related areas such as behavioral neurology, neuropsychiatry, and electrophysiology. Both Reviews and Editorials will also be published.

Institutions for Contributors: can be found at http://www.cambridge.org/journals/journal-of-the-international-neuropsychological-society/information/institutions-contributors/.

Editorial Office: Stephan M. Rao, Ph.D., Editor-in-Chief. Journal of the International Neuropsychological Society, Cleveland Clinic, Neurological Institute, 9500 Euclid Avenue, U3, Cleveland, OH 44195, E-mail: jins@cambridge.org; Telephone: (216) 444-2330, Fax: (216) 445-0331.

ISSN 1355-6177

Aims and Scope: The Journal of the International Neuropsychological Society welcomes original, creative, high-quality research papers covering all areas of neuropsychology. The Society is an official publication of The International Neuropsychological Society. Contributions will broadly reflect the interests and concerns of neuropsychology, including but not limited to: Development of cognitive processes, brain-behavior relationships, child neuropsychology, adult neuropsychology, neuropsychological disorders of speech and language, and the interactions of neuropsychology with related areas such as behavioral neurology, neuropsychiatry, and electrophysiology. Both Reviews and Editorials will also be published.

Institutions for Contributors: can be found at http://www.cambridge.org/journals/journal-of-the-international-neuropsychological-society/information/institutions-contributors/.

Editorial Office: Stephan M. Rao, Ph.D., Editor-in-Chief. Journal of the International Neuropsychological Society, Cleveland Clinic, Neurological Institute, 9500 Euclid Avenue, U3, Cleveland, OH 44195, E-mail: jins@cambridge.org; Telephone: (216) 444-2330, Fax: (216) 445-0331.

ISSN 1355-6177

Aims and Scope: The Journal of the International Neuropsychological Society welcomes original, creative, high-quality research papers covering all areas of neuropsychology. The Society is an official publication of The International Neuropsychological Society. Contributions will broadly reflect the interests and concerns of neuropsychology, including but not limited to: Development of cognitive processes, brain-behavior relationships, child neuropsychology, adult neuropsychology, neuropsychological disorders of speech and language, and the interactions of neuropsychology with related areas such as behavioral neurology, neuropsychiatry, and electrophysiology. Both Reviews and Editorials will also be published.

Institutions for Contributors: can be found at http://www.cambridge.org/journals/journal-of-the-international-neuropsychological-society/information/institutions-contributors/.

Editorial Office: Stephan M. Rao, Ph.D., Editor-in-Chief. Journal of the International Neuropsychological Society, Cleveland Clinic, Neurological Institute, 9500 Euclid Avenue, U3, Cleveland, OH 44195, E-mail: jins@cambridge.org; Telephone: (216) 444-2330, Fax: (216) 445-0331.

ISSN 1355-6177

Aims and Scope: The Journal of the International Neuropsychological Society welcomes original, creative, high-quality research papers covering all areas of neuropsychology. The Society is an official publication of The International Neuropsychological Society. Contributions will broadly reflect the interests and concerns of neuropsychology, including but not limited to: Development of cognitive processes, brain-behavior relationships, child neuropsychology, adult neuropsychology, neuropsychological disorders of speech and language, and the interactions of neuropsychology with related areas such as behavioral neurology, neuropsychiatry, and electrophysiology. Both Reviews and Editorials will also be published.

Institutions for Contributors: can be found at http://www.cambridge.org/journals/journal-of-the-international-neuropsychological-society/information/institutions-contributors/.

Editorial Office: Stephan M. Rao, Ph.D., Editor-in-Chief. Journal of the International Neuropsychological Society, Cleveland Clinic, Neurological Institute, 9500 Euclid Avenue, U3, Cleveland, OH 44195, E-mail: jins@cambridge.org; Telephone: (216) 444-2330, Fax: (216) 445-0331.

ISSN 1355-6177

Aims and Scope: The Journal of the International Neuropsychological Society welcomes original, creative, high-quality research papers covering all areas of neuropsychology. The Society is an official publication of The International Neuropsychological Society. Contributions will broadly reflect the interests and concerns of neuropsychology, including but not limited to: Development of cognitive processes, brain-behavior relationships, child neuropsychology, adult neuropsychology, neuropsychological disorders of speech and language, and the interactions of neuropsychology with related areas such as behavioral neurology, neuropsychiatry, and electrophysiology. Both Reviews and Editorials will also be published.

Institutions for Contributors: can be found at http://www.cambridge.org/journals/journal-of-the-international-neuropsychological-society/information/institutions-contributors/.

Editorial Office: Stephan M. Rao, Ph.D., Editor-in-Chief. Journal of the International Neuropsychological Society, Cleveland Clinic, Neurological Institute, 9500 Euclid Avenue, U3, Cleveland, OH 44195, E-mail: jins@cambridge.org; Telephone: (216) 444-2330, Fax: (216) 445-0331.

ISSN 1355-6177

Aims and Scope: The Journal of the International Neuropsychological Society welcomes original, creative, high-quality research papers covering all areas of neuropsychology. The Society is an official publication of The International Neuropsychological Society. Contributions will broadly reflect the interests and concerns of neuropsychology, including but not limited to: Development of cognitive processes, brain-behavior relationships, child neuropsychology, adult neuropsychology, neuropsychological disorders of speech and language, and the interactions of neuropsychology with related areas such as behavioral neurology, neuropsychiatry, and electrophysiology. Both Reviews and Editorials will also be published.

Institutions for Contributors: can be found at http://www.cambridge.org/journals/journal-of-the-international-neuropsychological-society/information/institutions-contributors/.

Editorial Office: Stephan M. Rao, Ph.D., Editor-in-Chief. Journal of the International Neuropsychological Society, Cleveland Clinic, Neurological Institute, 9500 Euclid Avenue, U3, Cleveland, OH 44195, E-mail: jins@cambridge.org; Telephone: (216) 444-2330, Fax: (216) 445-0331.
RESEARCH ARTICLES
557 Semantic Memory Activation After Acute Exercise in Healthy Older Adults
569 Age-Related Atrophy and Compensatory Neural Networks in Reading Comprehension
M.C. Fitzhugh, E.E. Bridges, M.N. Sabbagh, C. Rogalsky, I.C. Boster
583 Poor Sleep Quality and Compromised Visual Working Memory Capacity
W. Xie, A. Berry, C. Lustig, P. Deldin, W. Zhang
596 No Difference in Cognitive Dysfunction Among Patients with ANCA-Associated Vasculitis, Rheumatoid Arthritis or Chronic Kidney Disease
N. Alcocer-Castillejos, A. Jimenez-Gonzalez, A. Hinojosa-Arzola
603 Cognitive Reserve Capacity: Exploring and Validating a Theoretical Model in Healthy Ageing
L. McGonigle, K. Irving, M.P.I. van Boxtel, L. Boran
618 Attention in Longitudinal Data is Primarily Selective with Respect to Level Rather than Rate of Change
T.A. Salthouse

CRITICAL REVIEW
624 Neuropsychological Profile of Children with Early and Continuously Treated Phenylketonuria: Systematic Review and Future Approaches
M. Canton, D.L. Gall, F. Feillet, C. Bonnemains, A. Roy

CASE REPORT
644 Increased Cognitive Load Reveals Unilateral Neglect and Altitudinal Extinction in Chronic Stroke
M. Andres, L. Geers, S. Marnette, F. Coyette, M. Bonato, K. Priftis, N. Masson

BRIEF COMMUNICATION
654 White Matter Correlates of Cognitive Performance on the UCSF Brain Health Assessment

CORRIGENDUM
659 Neurocognitive and Self-efficacy Benefits of Cognitive Remediation in Schizophrenia: A Randomized Controlled Trial - Corrigendum
S.D. Byrne, S.L. Rosevear, S.J. Lee, R.J. Lawrence, E.J. Tor, S.P. Caruthers, J.J. Puntarat