International Neuropsychological Society

48th Annual Meeting

Neuropsychology in the Era of Precision Medicine

Denver, Colorado, USA
February 5–8, 2020

Keynote Speakers Include:

Vicki Anderson, PhD
INS President

Nicholas Allen, PhD
Mental Health & Functioning

Dana Small, PhD
Mind & Metabolism

Sonia Lupien, PhD
Stress on Human Performance

Urvashi Shah, PhD
Epilepsy Surgery in India

Nim Tottenham, PhD
Emotion Regulation Neurobiology

Tomas Paus, PhD
Knowledge & Big Data

Invited symposia: Case Studies vs. Big Data, chaired by Jon Evans, PhD; Exercise and Cognition, chaired by Glenn Smith, PhD; a panel discussion on Chronic Traumatic Encephalopathy chaired by Michael Alosco, PhD; and participation of past INS presidents in a planned symposium, chaired by Russell Bauer, PhD. There will also be a very special symposium honoring the life and works of Dr. Donald Stuss, chaired by Brian Levine, PhD.

For meeting and registration information, visit:
www.the-ins.org/meetings/denver2020/
Meet our ICCTF Keynote Speakers:

**Judy Campisi, PhD** (California, The Buck Institute): biology of aging, inflammation and cellular senescence

**Steve Cole, PhD** (California, UCLA): stress, cognitive function, and social genomics

**Kevin Duff, PhD** (Utah, University of Utah): novel longitudinal assessment methods

**Roy P.C. Kessels, PhD** (The Netherlands, Radboud University): cognitive rehabilitation

**Lars Nyberg, PhD** (Sweden, Umeå University): brain imaging and memory

For meeting and registration information, visit: [www.the-ins.org/meetings/denver2020/](http://www.the-ins.org/meetings/denver2020/)
Aims and Scope: The Journal of the International Neuropsychological Society welcomes original, creative, high quality research papers covering all areas of neuropsychology. The Journal of the International Neuropsychological Society is covered by the major abstracting and indexing services, including Index Medicus, Excerpta Medica/Current Contents/Clinical Medicine, PubMed, Science Citation Index, SCIE (also known as the Science Citation Index-expanded), Research Alert, the Neuroscience Citation Index, and PsycINFO.

Advertising: Advertising, Subscription Offices, and Indexing: Cambridge University Press, One Liberty Plaza, 20th Floor, New York, NY 10006. Telephone: (212) 353-5000; Fax (212) 337-5959. Outside the USA, Canada, and Mexico: Cambridge University Press, University Printing House, Shrewsbury Road, Cambridge CB2 8BS, England (Telephone: 44(0)1223 322322; 313-395. Fax: 44(0)1223 313-657. For advertising rates and data, contact the Journals Advertising Coordinator at the appropriate Cambridge University Press office. The Journal of the International Neuropsychological Society is covered by the major abstracting and indexing services, including Index Medicus, Excerpta Medica/Current Contents/Clinical Medicine, PubMed, Science Citation Index, SCIE (also known as the Science Citation Index-expanded), Research Alert, the Neuroscience Citation Index, and PsycINFO.

Copyright © 2019 The International Neuropsychological Society

All rights reserved. No part of this publication may be reproduced in any form or by any means, electronic, photocopying or otherwise, without permission in writing from Cambridge University Press, except when permission is obtained through a bona fide copyright clearance service, such as the Copyright Clearance Center (U.S.A) or the Copyright Licensing Agency (UK). For further information please visit http://sys.cambridge.org/information/rights.html. The CCBY4.0 license for this publication is 1355-6177/13 $25.00. Specific written permission must be obtained for all other copying. Photocopying for Classroom Use: Permission to reproduce parts of this publication for course anthologies may be obtained directly from Cambridge University Press or through duly authorized services such as the Academic Permissions Service of the CCC. 222 Rosewood Drive, Danvers, MA 01923 and the Copyright Permissions Service of the National Association of College Stores, or through any photoduplication service that properly secures permission from Cambridge or the CCC.


Printed in the United States of America.

This publication is printed on acid-free paper.
Research Articles

1001 Visual versus Verbal Working Memory in Statistically Determined Patients with Mild Cognitive Impairment: On behalf of the Consortium for Clinical and Epidemiological Neuropsychological Data Analysis (CENDA)

1011 Semantic and lexical features of words dissimilarly affected by non-fluent, logopenic, and semantic primary progressive aphasia
J.M. Verkerk, R. van den Berg, H.L. Hubbard, M.L. Giorno-Tempini, A.M. Binder, L.K. Oster

1023 Theory of Mind in Mild Cognitive Impairment – Relationship with Limbic Structures and Behavioural Change
J.C. Michaelian, L. Mowszowski, A.J. Guastella, J.D. Henry, S. Duffy, D. McCrindle, S.L. Naismith

1035 Time-Based Prospective Memory is Associated with Functional Performance in Persons with MS
E. Weber, N.D. Chorovska, J. De Luca, Y. Goverover

1044 Improved Accuracy on Lateralized Spatial Judgments in Healthy Aging

1051 Examining Gender Differences in Neurocognitive Functioning Across Adulthood
K.L. Sielecki, F. Palermo, T.A. Saltzheiser

Critical Review

1061 Anomalies of Autobiographical Memory
M.D. Kopelman

Short Review

1076 Measurement and Modulation of Working Memory-Related Oscilatory Abnormalities
B.C. Kavanaugh, A. Frye, L.L. Carpenter

Brief Communications

1082 Use It or Lose It? A 5-Year Follow-up Study of Goal Management Training in Patients with Acquired Brain Injury

1088 Impaired Financial Capacity in Late-Life Depression: Revisiting Associations with Cognitive Functioning

1094 Beyond Measures of Central Tendency: Novel Methods to Examine Differences in Neuropsychological Performance Following Sports-Related Concussion in Collegiate Athletes
V.C. Merritt, L.S. Greenberg, E. Gyuf, M.L. Bredt, A.R. Rabinowitz, P.A. Arnett