

Volume 24, Number 9

October 2018

ISSN 1355-6177

# JINS

Journal of the International Neuropsychological Society

**EDITOR-IN-CHIEF**

Stephen M. Rao

**ASSOCIATE EDITORS**

Robert M. Bilder

E. Mark Mahone

Julie C. Stout

Mieke Verfaellie

Guy Vingerhoets

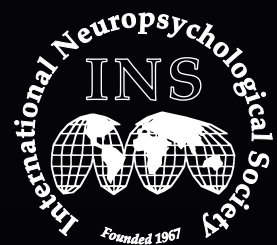
John L. Woodard



**SPECIAL ISSUE**

The Neuropsychology  
of Neurodevelopmental  
Disorders

Official Publication



**CAMBRIDGE**  
UNIVERSITY PRESS

## Journal of the International Neuropsychological Society

**EDITOR-IN-CHIEF**

Stephen M. Rao  
*Cleveland Clinic*

**ASSOCIATE EDITORS**

Robert M. Bilder  
*University of California, Los Angeles*

E. Mark Mahone  
*Kennedy Krieger Institute*

Julie C. Stout  
*Monash University, Australia*

Mieke Verfaellie  
*VA Boston Healthcare System  
& Boston University School of Medicine*

Guy Vingerhoets  
*Ghent University, Belgium*

John L. Woodard  
*Wayne State University*

**Editorial Assistant**

Charlene Belsole  
*Cleveland Clinic*

**PAST EDITORS**

Igor Grant  
*Founding Editor, 1994–2004*

Kathleen Y. Haaland  
*2004–2014*

**CONSULTING EDITORS**

Peter A. Arnett  
*Pennsylvania State University*

Ida Sue Baron  
*Independent Private Practice,  
Potomac, MD & Fairfax, VA*

Russell M. Bauer  
*University of Florida & Malcolm Randall Veterans'  
Affairs Medical Center*

Miriam H. Beauchamp  
*University of Montreal*

Ralph H.B. Benedict  
*State University of New York at Buffalo School of  
Medicine and Biomedical Sciences*

Linus A. Bieliauskas  
*Ann Arbor VA Healthcare System & University of  
Michigan Health System*

Erin D. Bigler  
*Brigham Young University*

Mark W. Bondi  
*VA San Diego Healthcare System  
& University of California San Diego*

Aaron Bonner-Jackson  
*Cleveland Clinic*

Adam M. Brickman  
*Taub Institute for Research, Columbia University*

Randy L. Buckner  
*Harvard University*

Roberto Cabeza  
*Duke University*

Giovanni A. Carlesimo  
*University of Rome Tor Vergata  
& IRCCS S. Lucia Foundation, Italy*

Cathy Catroppa  
*Murdoch Childrens Research Institute Royal  
Children's Hospital University of Melbourne*

Maud Champagne-Lavau  
*CNRS UMR 7309, Aix-Marseille University, France*

Gordon Chelune  
*University of Utah*

Heather M. Conklin  
*St. Jude Children's Research Hospital*

Michael C. Corballis  
*University of Auckland, New Zealand*

Fergus I.M. Craik  
*Rotman Research Institute at Baycrest, Canada*

Bruce A. Crosson  
*Emory University & Atlanta VA Medical Center*

Jeffrey L. Cummings  
*Cleveland Clinic*

Natalia Ojeda Del Pozo  
*University of Deusto, Spain*

John DeLuca  
*Kessler Foundation*

Alysa E. Doyle  
*Massachusetts General Hospital,  
Harvard Medical School*

Sureyya Dikmen  
*University of Washington*

Deborah A. Fein  
*University of Connecticut*

Christopher M. Filley  
*University of Colorado School of Medicine*

Stella G. Giakoumaki  
*University of Crete, Greece*

Igor Grant  
*University of California, San Diego*

John Gunstad  
*Kent State University*

Kathleen Y. Haaland  
*New Mexico VA Healthcare System & University  
of New Mexico*

Thomas A. Hammeke  
*Milwaukee VA Medical Center & Medical College  
of Wisconsin*

Benjamin M. Hampstead  
*University of Michigan and  
VA Ann Arbor Healthcare System*

Deborah L. Harrington  
*VA San Diego Healthcare System & University of  
California, San Diego*

Bruce P. Hermann  
*University of Wisconsin School of Medicine and  
Public Health*

Lisa A. Jacobson  
*Kennedy Krieger Institute, Johns Hopkins University  
School of Medicine*

Sterling C. Johnson  
*University of Wisconsin-Madison  
& Wm. S. Middleton Memorial VA Hospital*

Roy P.C. Kessels  
*Radboud University Nijmegen, The Netherlands*

Jae-Jin Kim  
*Gangnam Severance Hospital & Yonsei University,  
South Korea*

Michael D. Kopelman  
*King's College London, England*

Scott A. Langenecker  
*The University of Illinois at Chicago*

Bonnie E. Levin  
*University of Miami Miller School  
of Medicine*

Harvey Levin  
*Baylor College of Medicine & Michael  
E. DeBakey VA Medical Center*

Kathryn E. Lewandowski  
*McLean Hospital, Harvard Medical School*

Leandro Fernandes Malloy-Diniz  
*Universidade Federal de Minas Gerais, Brazil*

Jennifer J. Manly  
*Columbia University Medical Center*

Andrew R. Mayer  
*University of New Mexico  
& The Mind Research Network*

Michael McCrea  
*Medical College of Wisconsin*

Skye McDonald  
*The University of New South Wales, Australia*

Raquelle I. Mesholam-Gately  
*Harvard Medical School & Beth Israel Deaconess  
Medical Center*

Steffen Moritz  
*University Medical Centre Hamburg-Eppendorf,  
Germany*

Kristy A. Nielson  
*Marquette University & Medical College of  
Wisconsin*

Michael W. Parsons  
*Cleveland Clinic*

Jennie Ponsford  
*Monash University & Epworth Hospital, Australia*

Naftali Raz  
*Wayne State University*

Andrew J. Saykin  
*Indiana University School of Medicine*

Ben Schmand  
*Academic Medical Center & University of  
Amsterdam, The Netherlands*

Maureen Schmitter-Edgecombe  
*Washington State University*

Michael Seidenberg  
*Rosalind Franklin University of Medicine  
and Science*

Carlo Semenza  
*University of Padova, Italy*

Maria Semkovska  
*University of Limerick, Ireland*

J. Carson Smith  
*University of Maryland*

Lin Sørensen  
*University of Bergen, Norway*

Yaakov Stern  
*Columbia University Medical Center*

William S. Stone  
*Harvard Medical School &  
Beth Israel Deaconess Medical Center*

Yana Suchy  
*University of Utah*

Daniel Tranel  
*University of Iowa*

Alexander I. Tröster  
*Barrow Neurological Institute*

Elizabeth W. Twamley  
*University of California, San Diego  
& VA San Diego Healthcare System*

Frederick W. Unverzagt  
*Indiana University School of Medicine*

Eli Vakil  
*Bar Ilan University, Israel*

Sandra Vanotti  
*University of Buenos Aires & INEBA-Neurosciences  
Institute of Buenos Aires, Argentina*

Seth Warschausky  
*University of Michigan*

Ann D. Watts  
*Entabeni Hospital, South Africa*

Kathleen A. Welsh-Bohmer  
*Duke University*

T. Andrew Zabel  
*Kennedy Krieger Institute*

**Aims and Scope:** The *Journal of the International Neuropsychological Society* welcomes original, creative, high quality research papers covering all areas of neuropsychology. The focus of articles may be primarily experimental, more applied or clinical. Contributions will broadly reflect the interest of all areas of neuropsychology, including but not limited to: development of cognitive processes, brain-behavior relationships, adult neuropsychology, child neuropsychology, developmental neuropsychology, disorders of speech and language, and the interfaces of neuropsychology with related areas such as behavioral neurology, neuropsychiatry, neuroimaging, and electrophysiology. Book Reviews will also be published.

**Instructions for Contributors** can be found at <https://www.cambridge.org/core/journals/journal-of-the-international-neuropsychological-society/information/instructions-contributors>.

**Editorial Office:** Stephen M. Rao, Ph.D., Editor-in-Chief, *Journal of the International Neuropsychological Society*, Cleveland Clinic, Neurological Institute, 9500 Euclid Avenue / U10, Cleveland, OH 44195. E-mail: [jins@cambridge.org](mailto:jins@cambridge.org); Telephone: (216) 444-2330; Fax: (216) 445-0331.