Volume 27, Number 7

August 2021
ISSN 1355-6177

Journal of the International Neuropsychological Society

EDITOR-IN-CHIEF

Stephen M. Rao

ASSOCIATE EDITORS

Robert M. Bilder
Lin Sørensen
Alexander I. Tröster
Mieke Verfaellie
Guy Vingerhoets
John L. Woodard







Journal of the International Neuropsychological Society

EDITOR-IN-CHIEF

Stephen M. Rao Cleveland Clinic

ASSOCIATE EDITORS

Robert M. Bilder

University of California, Los Angeles

Lin Sørensen

University of Bergen, Norway

Alexander I. Tröster

Barrow Neurological Institute

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 I Anderson

Monash University, Australia

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

Ralph H.B. Benedict

State University of New York at Buffalo School of Medicine and Biomedical Sciences

Linas 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

Giovanni A. Carlesimo

University of Rome Tor Vergata & IRCCS S. Lucia Foundation, Italy

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

Bruce Christensen

Australian National University, Australia

Derin J. Cobia

Brigham Young University

Heather M. Conklin

St. Jude Children's Research Hospital

Michael C. Corballis

University of Auckland, New Zealand

Edward de Haan

University of Amsterdam, Netherlands

Natalia Ojeda Del Pozo University of Deusto, Spain

John DeLuca

Kessler Foundation

Alysa E. Doyle

Massachusetts General Hospital,

Harvard Medical School

Kevin Duff

University of Utah

Carrie Esonenko

Rutgers Biomedical Health Sciences

Christopher M. Filley

University of Colorado School of Medicine

Michael S. Gaffrey

Gwendolyn Justis Gerner

Kennedy Krieger Institute

Stella G. Giakoumaki University of Crete, Greece

Celine R. Gillebert

KU Leuven, Belgium James M. Gold

University of Maryland School of Medicine

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

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

Mervi Jehkonen

Tampere University, Finland

Sterling C. Johnson

University of Wisconsin-Madison & Wm. S. Middleton Memorial VA Hospital

Brian C. Kavanaugh

E. P. Bradley Hospital/Alpert Medical School of Brown University

Roy P.C. Kessels

Radboud University Nijmegen, The Netherlands

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

Andrew R. Maver

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

L. Stephen Miller

University of Georgia

Steffen Moritz

University Medical Centre Hamburg-Eppendorf,

Kristy A. Nielson

Marquette University & Medical College

Michael W Parsons

Massachusetts General Hospital/Harvard Medical School

Jennie Ponsford Monash University & Epworth Hospital, Australia

Ruchika S. Prakash

Ohio State University Radek Ptak

Hôpitaux Universitaires de Genève, Switzerland

Jeffrey Schatz

University of South Carolina

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

William S. Stone Harvard Medical School &

Beth Israel Deaconess Medical Center

Julie C. Stout Monash University, Australia

Yana Suchy

University of Utah

Philip R. Szeszko Icahn School of Medicine at Mount Sinai

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

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.

 $\textbf{Instructions for Contributors} \ can be found at \ https://www.cambridge.org/core/journals/journal-of-the-international-neuropsychological-society/information/instructions-contributors. \\$ 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; Telephone: (330) 635-4882; Fax: (216) 445-0331.