Volume 24, Number 10

November 2018

ISSN 1355-6177

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





Journal of the International Neuropsychological Society

EDITOR-IN-CHIEF

Stephen M. Rao Cleveland Clinic

ASSOCIATE EDITORS

Robert M. Bilder

University of California, Los Angeles

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

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

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

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

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

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

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

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 Mallov-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,

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

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

Ann D. Watts

Sandra Vanotti University of Buenos Aires & INEBA-Neurosciences

Institute of Buenos Aires, Argentina Seth Warschausky

University of Michigan

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: (216) 444-2330; Fax: (216) 445-0331.