ISSN: 1041-6102

Celebrating 25 years

International Psychogeriatrics

journals.cambridge.org/ipg



The Official Journal of the International Psychogeriatric Association Better Mental Health for Older People





International Psychogeriatrics



Editorial Panel

FDITOR-IN-CHIFF

Nicola T. Lautenschlager Melhourne, Australia

DEPUTY EDITORS

Christina Bryant Melbourne, Australia

Kostas Lyketsos

Baltimore, MD, USA

John O'Brien Cambridge, UK

Craig Ritchie

London, UK **Guk-Hee Suh**

ASSOCIATE EDITORS

Osvaldo Almeida

Perth, Australia

Olusegun Baiyewu Ibadan, Nigeria

Susan Benbow

Wolverhampton, UK

Henry Brodaty Sydney, Australia

Alistair Burns

Manchester, UK

Helen Chiu Hong Kong, China

Jiska Cohen-Mansfield

Tel Aviv, Israel

Martin Cole Montreal, Canada

Claudia Cooper London, UK

George Demakis

Charlotte, NC, USA

Glenna Dowling

San Francisco, CA, USA

Colleen Doyle Melbourne, Australia

Leon Flicker

Perth, Australia

Mary Ganguli Pittsburgh, PA, USA

Serge Gauthier

Montreal, Canada

Yonas Geda Scottsdale, AZ, USA

Meredith Gresham

Sydney, Australia

Martin Haupt

Düsseldorf, Germany

Nathan Herrmann Toronto, Canada

Akira Homma

Tokyo, Japan Zahinoor Ismail

Calgary, Canada

K. S. Jacob

Vellore, India **Helen Kales**

Ann Arbor, MI, USA

Rob Kok

The Hague, The Netherlands

Linda Lam

Hong Kong, China

Iracema Leroi Manchester, UK

João Carlos Barbosa Machado

Belo Horizonte, Brazil

Raimundo Mateos

Santiago de Compostela, Spain **Peter Rabins**

Baltimore, MD, USA

Paul Rosenberg Baltimore, MD, USA

Aiit Shah

London, UK

Gary Small

Los Angeles, CA, USA

Sergio Starkstein Perth, Australia

David Steffens

Durham, NC, USA

Greg Swanwick Dublin, Ireland

Johannes Wancata

Vienna, Austria

MANAGING EDITOR

Susan M. Oster

Northfield, IL, USA

STATISTICAL ADVISORS

Lucv Busiia

Melbourne, Australia

(Joyce) H. Chung-Chou Chang

Pittsburgh, PA, USA

Hiroko H. Dodge

Portland, OR, USA

Theodore Malmstrom

St. Louis, MO, USA

BOOK REVIEW EDITOR

David Ames

Melbourne, Australia

FOUNDER EDITOR

Gene Cohen

Deceased

EDITOR EMERITUS

Robin Eastwood

Bere Ferrers, UK

PAST EDITORS

David Ames Manfred Bergener Gene Cohen **Robin Eastwood** Sanford Finkel

Kazuo Hasegawa Akira Homma

ASSISTANT TO THE EDITOR-IN-CHIEF

Joan Mould

Melbourne, Australia

Subscriptions

International Psychogeriatrics (ISSN 1041-6102) is published monthly. The annual subscription price (excluding VAT), including delivery by air where appropriate, plus electronic access for subscribers of Volume 26 is £682 for institutions (US\$1262 in the USA, Canada and Mexico); the electronic only price available to institutional subscribers is £509 (US\$942 in the USA, Canada and Mexico). For individuals ordering direct from the publisher and certifying that the journal is for their personal use the subscription price (excluding VAT) for print plus electronic access is £300 (US\$555 in the USA, Canada and Mexico) or £236 (US\$436 in the USA, Canada and Mexico) for electronic only subscriptions. Single issues are £62.51 (US\$115.68 in the USA, Canada and Mexico) plus postage. Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK; or in the USA, Canada and Mexico: Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nyack, New York 10994-2133. EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Japanese prices for institutions are available from: Kinokuniya Company Ltd, PO Box 55, Chitose, Tokyo 156, Japan. Periodicals postage paid at New York, NY, and at additional mailing offices. POSTMASTER: send address changes in USA, Canada and Mexico to: International Psychogeriatrics, Cambridge University Press, 100 Brook Hill Drive, West Nyack, New York 10994-2133. Claims for missing issues should be made immediately on receipt of the subsequent issue.

Internet access

This journal is included in the Cambridge Journals Online service which can be found at journals.cambridge.org/ipg. For further information on other Press titles go to http://www.cambridge.org.

International Psychogeriatrics is abstracted and indexed in Abstracts in Social Gerontology; Current Literature on Aging; AgeLine; Combined Health Information Database (CHID); Cumulative Index to Nursing & Allied Health Literature (CINAHL); Current Contents/Social and Behavioral Sciences; EMBASE/Excerpta Medica; e-psyche; Index Medicus/ MEDLINE; ISI Alerting Services; Mental Health Abstracts; New Literature on Old Age; PsychINFO; PsychLIT; Psychological Abstracts; PubMed; Social Sciences Citation Index; Social Services Abstracts; Social Work Abstracts; Sociedad Iberoamericana de Información Cientifica (SIIC) Data Bases; SciSearch and ZeitschriftenbibliographieGerontologie (GeroLIT).

Copving

This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with CCC may therefore photocopy material (beyond the limits permitted by sections 107 and 108 of US Copyright Law) subject to payment to CCC of the per-copy fee of \$16.00. This consent does not extend to multiple copying for promotional purposes. Code 1041-6102/2014. ISI Tear Sheet Service, 3501 Market Street, Philadelphia, PA 19104, USA, is authorized to supply single copies of separate articles for private use only. Organizations authorized by the UK Copyright Licensing Agency may also photocopy material subject to the usual conditions. For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press. No other part of this publication may be reproduced, stored or distributed by any means without permission in writing from Cambridge University Press, acting for the copyright holder.

Acknowledgement

(Upper left) Seniors jogging on a forest road © Kzenon /istockphoto; (Upper right) A Lewy body in a pigmented neuron of the substantia nigra of a Parkinson's disease patient (H/E stain) and (Lower left) tau pathology (green) in the hippocampus of an Alzheimer's disease patient (immunofluorescence) – both images kindly provided by Prof. Johannes Attems, Institute for Ageing and Health, Newcastle University, UK; (Lower right) Senior adults having morning tea together © Monkeybusinessimages /istockphoto