ISSN: 1041-6102

# International Psychogeriatrics

journals.cambridge.org/ipg



The Official Journal of the International Psychogeriatric Association

Better Mental Health for Older People





## International Psychogeriatrics



## **Editorial Panel**

EDITOR-IN-CHIEF

Nicola T. Lautenschlager Melbourne, Australia

**DEPUTY EDITORS** 

**Christina Bryant** Melbourne, Australia

**Kostas Lyketsos** Baltimore, MD, USA

John O'Brien

Cambridge, UK

**Craig Ritchie** Edinburgh, UK

**Guk-Hee Suh** 

Seoul, South Korea

ASSOCIATE EDITORS

Osvaldo Almeida Perth, Australia

Olusegun Baiyewu

Ibadan, Nigeria

**Susan Benbow** 

Wolverhampton, UK

**Henry Brodaty** 

Sydney, Australia

Laura Brown

Manchester, UK

**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

**Martin Dichter** 

Witten, Germany

**Glenna Dowling** 

San Francisco, CA, USA

Colleen Doyle Melbourne, Australia

Leon Flicker

Perth, Australia

**Orestes Forlenza** 

Sao Paulo, Brazil

Mary Ganguli

Pittsburgh, PA, USA

Serge Gauthier Montreal, Canada

Yonas Geda

Scottsdale, AZ, USA

**Meredith Gresham** 

Svdnev, Australia

**Martin Haupt** Düsseldorf, Germany

**Nathan Herrmann** 

Toronto, Canada

Akira Homma Tokyo, Japan

**Zahinoor Ismail** 

Calgary, Canada K. S. Jacob

**Helen Kales** 

Ann Arbor, MI, USA **Rob Kok** 

The Hague, The Netherlands

Linda Lam

Hong Kong, China

Iracema Leroi

Manchester, UK

**Inger Hilde Nordhus** 

Bergen, Norway

João Carlos Barbosa Machado Belo Horizonte, Brazil

Raimundo Mateos

Santiago de Compostela, Spain

**Kirsten Moore** 

London, UK

Peter Rahins

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

**Johannes Wancata** 

Vienna, Austria

MANAGING EDITOR

Kate Filipiak

Milwaukee, WI, USA

STATISTICAL ADVISORS

Lucy Busija

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

ASSISTANT TO THE **EDITOR-IN-CHIEF** 

Kazuo Hasegawa

Akira Homma

Joan Mould

### 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 28 is £,788 for institutions (US\$1457 in the USA, Canada and Mexico); the electronic only price available to institutional subscribers is £588 (US\$1088 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 £331 (US\$612 in the USA, Canada and Mexico) or £260 (US\$481 in the USA, Canada and Mexico) for electronic only subscriptions. Single issues are £76 (US\$140 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, Journals Fulfillment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, 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 Científica (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 1041-6102/2016. 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