Karger Publishers – 125 Years of Experience in Medical and Scientific Publishing

Festschrift

Karger – Connecting the World of Biomedical Science

This richly illustrated Festschrift chronicles the company’s development and contributions in the service of medicine and science since 1890. It tells the history of Karger Publishers until the present day.

Please send an e-mail to 125years@karger.com to receive your free copy or discover it online.

www.karger.com/festschrift

Publishing Highlights 1890–2015

Take a guided tour through 125 years of medical and scientific publishing! Follow us on a leisurely walk through interesting times, fascinating topics and beautiful illustrations.

www.karger.com/highlights

Karger Gazette

The Karger Gazette anniversary issue explores the STM publishing business in the digital age, offers short portraits of Karger’s journal and book series editors as well as interviews with three renowned scientists.

www.karger.com/gazette
Guidelines for Authors

Submission
Two types of manuscripts will be considered and should be submitted online at:
www.karger.com/dem

1. **Original Research Articles.** An Abstract, Introduction, Materials and Methods, Results, and Discussion sections are required.

2. **Review Articles** in which a specific field is reviewed through an exhaustive literature survey. An Abstract is required and should be divided into Background, Summary and Key Messages. Review Articles should consist of a maximum of 4,000 words.

Names, postal and e-mail addresses of 6 experts in the appropriate area of research should accompany each manuscript. The experts suggested should not be from the same institution or be research collaborators of the author(s).

Should you experience problems with your submission, please contact:
Prof. V. Chan-Palay
S. Karger AG
Editorial Office ‘Dementia and Geriatric Cognitive Disorders’
PO Box CH–4009 Basel (Switzerland)
Tel. +41 61 306 1437
Fax +41 61 306 1434
E-Mail dem@karger.com

Considerations
All manuscripts are subject to editorial review. Manuscripts are received with the explicit understanding that they are not under simultaneous consideration by any other publication. Submission of an article for publication implies transfer of the copyright from the author to the publisher upon acceptance. Accepted papers become the permanent property of Dementia and Geriatric Cognitive Disorders and may not be reproduced by any means, in whole or in part, without the written consent of the publisher. It is the author’s responsibility to obtain permission to reproduce illustrations, tables, etc. from other publications. The manuscripts should be accompanied by a statement by the submitting author certifying that all the authors have read the papers and have agreed to be listed as authors. A similar statement should be appended for the names of colleagues who are acknowledged in footnotes as having contributed to or criticized the paper. For papers involving human subjects, adequate documentation should be provided to certify that appropriate ethical safeguards and protocols have been followed. Animal experiments should include a clear description of the method of anesthesia and killing.

Conflicts of Interest
Authors are required to disclose any sponsorship or funding arrangements relating to their research and all authors should disclose any possible conflicts of interest. Conflict of interest statements will be published at the end of the article.

Ethics
Published research must comply with the guidelines for human studies and animal welfare regulations. Authors should state that subjects have given their informed consent and that the study protocol has been approved by the institute’s committee on human research. Further, they should also state that animal experiments conform to institutional standards.

Arrangement
All pages should be numbered consecutively beginning with the title page, then the text, acknowledgements, references and legends to figures.

**Title page:** The first page of each paper should indicate the title, the authors’ names, the institute where the work was conducted, and a short title for use as running head.

**Title:** Shorter titles are easier to read. To facilitate electronic retrieval of your paper, titles should be kept to the point and contain only relevant information.

**Full address:** The exact postal address of the corresponding author complete with postal code must be given at the bottom of the title page. Please also supply a phone number, as well as e-mail address.

**Key words:** Please supply 3–10 key words in English that reflect the content of the paper. Please use key words as found in the headings of Index Medicus or MeSH database, avoid terms already present in your title and be specific.

**Abstracts of Review Articles:** Should be divided into the following subsections: Background, Summary and Key Messages. The Background should provide a brief clinical context for the review and is followed by the Summary, which should include a concise description of the main topics covered in the text. The Key Messages encapsulate the main conclusions of the review.

**Abstracts of Original Research Articles:** The first page of the text should include an abstract of up to 10 lines. It should be structured as follows:

- **Background/Aims:** What is the major problem that prompted the study?
- **Methods:** How was the study carried out?
- **Results:** Most important findings?
- **Conclusion:** Most important conclusion?
- **Footnotes:** Avoid footnotes.

**Abbreviations:** Abbreviations should not be used excessively in the text. Only standard abbreviations should be used. Nonstandard abbreviations of terms that are used frequently in the text should be explained by the term written out completely and followed immediately by the abbreviation in parentheses, for example: ‘increase in norepinephrine (NE) content’ .

**Tables and illustrations:** Tables are part of the text. Place them at the end of the text file. Illustration data must be stored as separate files. Do not integrate figures into the text. Electronically submitted b/w half-tone and color illustrations must have a final resolution of 300 dpi after scaling, line drawings one of 800–1,200 dpi.

**Color illustrations**

**Online edition:** Color illustrations are reproduced free of charge. In the print version, the illustrations are reproduced in black and white. Please avoid referring to the colors in the text and figure legends.

**Print edition:** Up to 6 color illustrations per page can be integrated within the text at CHF 960.00 per page.

**References:** In the text identify references by Arabic numerals [in square brackets]. Material submitted for publication but not yet accepted should be noted as [unpublished data] and not be included in the reference list. The list of references should include only those publications which are cited in the text. Do not alphabetize; number references in the order in which they are first mentioned in the text. The sur-names of the authors followed by initials should be given. There should be no punctuation other than a comma to separate the authors. Preferably, please cite all authors. Abbreviate journal names according to the Index Medicus system. Also see International Committee of Medical Journal Editors: Uniform requirements for manuscripts submitted to biomedical journals (www.icmje.org).

Examples

(b) **Papers published only with DOI numbers:** Theoharides TC, Boucher W, Spear K: Serum interleukin-6 reflects disease severity and osteoporosis in mastocytosis patients. Int Arch Allergy Immunol DOI: 10.1159/000063858.

(c) **Monographs:** Matthews DE, Farewell VT: Using and Understanding Medical Statistics, ed 3, revised. Basel, Karger, 1996.


Reference Management Software: Use of EndNote is recommended for easy management and formatting of citations and reference lists.

**Digital Object Identifier (DOI)**

S. Karger Publishers supports DOIs as unique identifiers for articles. A DOI number will be printed on the title page of each article. DOIs can be useful in the future for identifying and citing articles published online without volume or issue information. More information can be found at www.doi.org.

**Supplementary Material**

Supplementary material is restricted to additional data that are not necessary for the scientific integrity and conclusions of the paper. Please note that all supplementary files will undergo editorial review and should be submitted together with the original manuscript. The Editors reserve the right to limit
the scope and length of the supplementary material. Supplementary material must meet production quality standards for Web publication without the need for any modification or editing. In general, supplementary files should not exceed 10 Mb in size. All figures and tables should have titles and legends and all files should be supplied separately and named clearly. Acceptable files and formats are: Word or PDF files, Excel spreadsheets (only if the data cannot be converted properly to a PDF file), and video files (.mov, .avi, .mpeg).

Author's Choice
Karger’s Author’s Choice service broadens the reach of your article and gives all users worldwide free and full access for reading, downloading and printing at www.karger.com. The option is available for a one-time fee of CHF 3,000.00, which is a permissible cost in grant allocation. More information can be found at www.karger.com/authors_choice.

NIH-Funded Research
The U.S. National Institutes of Health (NIH) mandates under the NIH Public Access Policy that final, peer-reviewed manuscripts appear in its digital database within 12 months of the official publication date. As a service to authors, Karger submits the final version of your article on your behalf to PubMed Central. For those selecting our premium Author’s Choice service, we will send your article immediately upon publishing, accelerating the accessibility of your work without the usual embargo. More details on NIH's Public Access Policy are available at http://publicaccess.nih.gov/policy.htm

Self-Archiving
Karger permits authors to archive their pre-prints (i.e. post-refereeing) or post-prints (i.e. final draft post-refereeing) on their personal or institution’s servers, provided the following conditions are met: Articles may not be used for commercial purposes, must be linked to the publisher's version, and must acknowledge the publisher's copyright. Authors selecting Karger’s Author’s Choice feature, however, are also permitted to archive the final, published version of their article, which includes copyediting and design improvements as well as citation links.

Page Charges
There are no page charges for papers of 3 or fewer printed pages (including tables, illustrations and references). Each additional complete or partial page is charged to the author at CHF 325.00. The allotted size of a paper is equal to approx. 8 manuscript pages (including tables, illustrations and references).

Proofs
Unless indicated otherwise, proofs are sent to the corresponding author and should be returned with the least possible delay. Alterations other than the correction of printer’s errors are charged to the author.

Reprints
Order forms and a price list are sent with the proofs. Orders submitted after the issue is printed are subject to considerably higher prices.

Take a guided tour through 125 years of medical and scientific publishing

This hand-picked selection represents the history of the publishing house and illustrates the development of medicine and its subspecialties:
www.karger.com/Publishing-Highlights
Contents

See the journal website for contents
JOIN MORE THAN 6000 COLLEAGUES AT THE FIRST CONGRESS OF THE EUROPEAN ACADEMY OF NEUROLOGY!

www.eaneurology.org/berlin2015
Neurosignals is an international journal dedicated to publishing original articles, reviews and short reports in the field of neuronal communication. Novel findings related to signaling machinery, pathways and networks that are associated with development and functioning of the nervous system are most welcome. Reported observations should significantly contribute to the advancement of our understanding of neuronal signaling and be presented in a format applicable to an interdisciplinary readership. Manuscripts addressing the journal’s topics of discussion from a bioinformatics perspective will also be considered for publication.

More information at www.karger.com/nsg
Review Article

332 Cerebrolysin in Mild-to-Moderate Alzheimer’s Disease: A Meta-Analysis of Randomized Controlled Clinical Trials
Gauthier, S. (Montreal, Que.); Proaño, J.V. (Tlacotalpan); Jia, J. (Beijing); Froelich, L. (Mannheim); Vester, J.C. (Krailling); Doppler, E. (Unterach)

Original Research Articles

251 Plasma Insulin-Like Growth Factor 1 Is Associated with Cognitive Impairment in Parkinson’s Disease
Ma, J.; Jiang, Q.; Xu, J.; Sun, Q.; Qiao, Y.; Chen, W.; Wu, Y.; Wang, Y.; Xiao, Q.; Liu, J.; Tang, H.; Chen, S. (Shanghai)

257 The Prevalence of Depressive Symptoms in Frontotemporal Dementia: A Meta-Analysis

272 The Impact of Individualized Interaction on the Quality of Life of Elderly Dependent on Care as a Result of Dementia: A Study with a Pre-Post Design
de Vocht, H.M. (Deventer/Enschede); Hoogeboom, A.M.G.M. (Enschede); van Niekerk, B. (Groningen); den Ouden, M.E.M. (Deventer/Enschede)

281 Dominant Frontotemporal Dementia Mutations in 140 Cases of Primary Progressive Aphasia and Speech Apraxia

287 Cerebrospinal Fluid Biomarkers for Alzheimer’s Disease in Patients with Frontotemporal Lobar Degeneration and Amyotrophic Lateral Sclerosis with the C9ORF72 Repeat Expansion
Kämäläinen, A.; Herukka, S.-K.; Hartikainen, P.; Helisalmi, S. (Helsinki); Moilanen, V. (Oulu); Knuttila, A.; Jansson, L.; Tienari, P.J. (Helsinki); Remes, A.M. (Helsinki)

294 Prevalence of Dementia and Main Subtypes in Rural Northern China
Ji, Y.; Shi, Z.; Zhang, Y.; Liu, S.; Liu, S.; Yue, W.; Liu, M. (Tianjin); Huo, Y.R. (Kensington, N.S.W.); Wang, J. (Tianjin); Wisniewski, T. (New York, N.Y.)

303 Clinical Validity of the Mattis Dementia Rating Scale in Differentiating Mild Cognitive Impairment in Parkinson’s Disease and Normative Data

312 Identification of Pivotal Markers in Vascular Dementia Based on Proteomics Data
Wang, C.; Zhao, J.; Xu, R.; Zhao, J.; Duan, S. (Harbin)

321 Immigrant Patients with Dementia and Memory Impairment in Primary Health Care in Norway: A National Registry Study
Diaz, E. (Bergen/Oslo); Kumar, B.N. (Oslo); Engedal, K. (Tonsberg)

348 Impact of Auditory-Visual Bimodality on Lexical Retrieval in Alzheimer’s Disease Patients
Simoes Loureiro, I.; Lefebvre, L. (Mons)

360 Evaluation of Regional Cerebral Blood Flow in Alzheimer’s Disease Patients with Subclinical Hypothyroidism

368 Acknowledgement to Reviewers