

ISSN: 2169-2459 Vol. 2, No. 2, June 2013



Advances in Alzheimer's Disease



<http://www.scirp.org/journal/aad>

Journal Editorial Board

ISSN: 2169-2459 (Print) ISSN: 2169-2467 (Online)

<http://www.scirp.org/journal/aad>

Editor-in-Chief

Prof. Lei Xue

Tongji University, China

Editorial Board

Dr. Ho-Yin Edwin Chan

The Chinese University of Hong Kong, China

Dr. R. Chuen-Chung Chang

The University of Hong Kong, China

Prof. Shengdi Chen

Shanghai Jiao Tong University School of Medicine, China

Dr. Yu Chen

The Hong Kong University of Science and Technology, China

Dr. Pinar E. Coskun

University of California, Irvine, USA

Dr. Robin D. Couch

George Mason University, USA

Prof. Kelvin J. A. Davies

University of Southern California, USA

Prof. Paul B. Hicks

Texas A&M University HSC College of Medicine, USA

Dr. J. Yuen-Shan Ho

Macau University of Science and Technology, China

Dr. Claudia Jacova

University of British Columbia, Canada

Dr. Angela R. Kamer

New York University, USA

Dr. Andrew Chi-Kin Law

The University of Hong Kong, China

Dr. Shi Lin

The Chinese University of Hong Kong, China

Dr. Laura McIntire

Columbia University, USA

Dr. Juliet A. Moncaster

The Molecular Aging & Development Laboratory at Boston University, USA

Dr. Peter J. Morin

Boston University School of Medicine, USA

Dr. Mario A. Parra

University of Edinburgh, UK

Dr. Stefano Sensi

The G. d'Annunzio University, Italy

Dr. Hem D. Shukla

The Johns Hopkins University, USA

Prof. Jean-Paul Soucy

Université de Montréal, Canada

Dr. Rajesh R. Tampi

Yale University School of Medicine, USA

Dr. Zhiqun Tan

University of California, Irvine School of Medicine, USA

Prof. Bajic Vladan

Institute for Pharmaceutical Research and Development, Serbia

Dr. Keith Vosseller

Drexel University College of Medicine, USA

Prof. Jian-Zhi Wang

Tongji Medical College, China

Dr. Yaroslav Winter

Philipps University, Germany

Prof. Lei Xue

Tongji University, China

Dr. Xiao-Xin Yan

Central South University Xiangya School of Medicine, China

Prof. Haiyan Zhang

Chinese Academy of Sciences, China

Dr. Liqin Zhao

University of Southern California, USA

Dr. Lada Zivkovic

The Faculty of Pharmacy University of Belgrade, Serbia

TABLE OF CONTENTS
Volume 2, Number 2, June 2013

Advances in Alzheimer's disease (AAD): Standing firm at its first anniversary

X.-X. Yan.....49

**The evaluation of iron content in Alzheimer's disease by magnetic resonance imaging:
Phase and R2* methods**

B. J. Zhou, S. Y. Li, H. J. He, X. Y. Feng.....51

The role of APP in Alzheimer's disease

L. Pung, X. J. Wang, M. Li, L. Xue.....60

**Evaluation of the inhibitory effect of docosahexaenoic acid and arachidonic acid on the initial stage of
amyloid β_{1-42} polymerization by fluorescence correlation spectroscopy**

K. Miwa, M. Hashimoto, S. Hossain, M. Katakura, O. Shido.....66

Advances in Alzheimer's Disease (AAD)

Journal Information

SUBSCRIPTIONS

The *Advances in Alzheimer's Disease* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright©2013 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

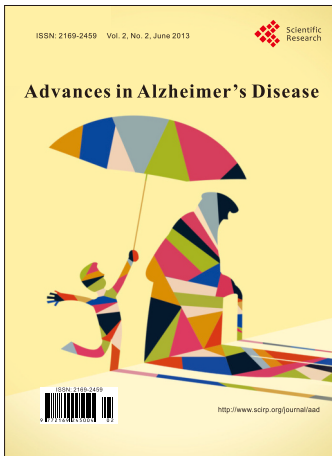
Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: aad@scirp.org

Call for Papers



Advances in Alzheimer's Disease

ISSN: 2169-2459 (Print) ISSN: 2169-2467 (Online)

<http://www.scirp.org/journal/aad>

Advances in Alzheimer's Disease (AAD) is an openly accessible journal published quarterly. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of Alzheimer's Disease.

Editor-in-Chief

Prof. Lei Xue

Editorial Board

Dr. Ho-Yin Edwin Chan
Dr. R. Chuen-Chung Chang
Prof. Shengdi Chen
Dr. Yu Chen
Dr. Pinar E. Coskun
Dr. Robin D. Couch
Prof. Kelvin J. A. Davies
Prof. Paul B. Hicks
Dr. J. Yuen-Shan Ho
Dr. Claudia Jacova
Dr. Angela R. Kamer

Dr. Andrew Chi-Kin Law
Dr. Shi Lin
Dr. Laura McIntire
Dr. Juliet A. Moncaster
Dr. Peter J. Morin
Dr. Mario A. Parra
Dr. Stefano Sensi
Dr. Hem D. Shukla
Prof. Jean-Paul Soucy
Dr. Rajesh R. Tampi
Dr. Zhiquan Tan

Prof. Bajic Vladan
Dr. Keith Vosseller
Prof. Jian-Zhi Wang
Dr. Yaroslav Winter
Prof. Lei Xue
Dr. Xiao-Xin Yan
Prof. Haiyan Zhang
Dr. Liqin Zhao
Dr. Lada Zivkovic

Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The areas of *Advances Alzheimer's Disease (AAD)* include but are not limited to the following fields:

- Animal Models of Alzheimer's Disease
- Behavior and Treatment
- Brain Disorder
- Caregiving and Dementia
- Dementia during Aging and in Alzheimer's Disease
- Epidemiology of Alzheimer's Disease
- Etiology of Alzheimer's Disease
- Genetics of Alzheimer's Disease
- Neural Circuit Dysfunction in Alzheimer's Disease
- Neurodegeneration
- Pathogenesis of Alzheimer's Disease
- Patient Care and Prevention of Alzheimer's Disease
- Progress in Alzheimer's Disease Diagnosis
- Protein Misfolding
- Psychosocial Intervention
- Therapeutic Development
- Understanding of Alzheimer's Disease Pathogenesis

We are also interested in: 1) Short reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book reviews—Comments and critiques.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/aad>

E-mail: aad@scirp.org