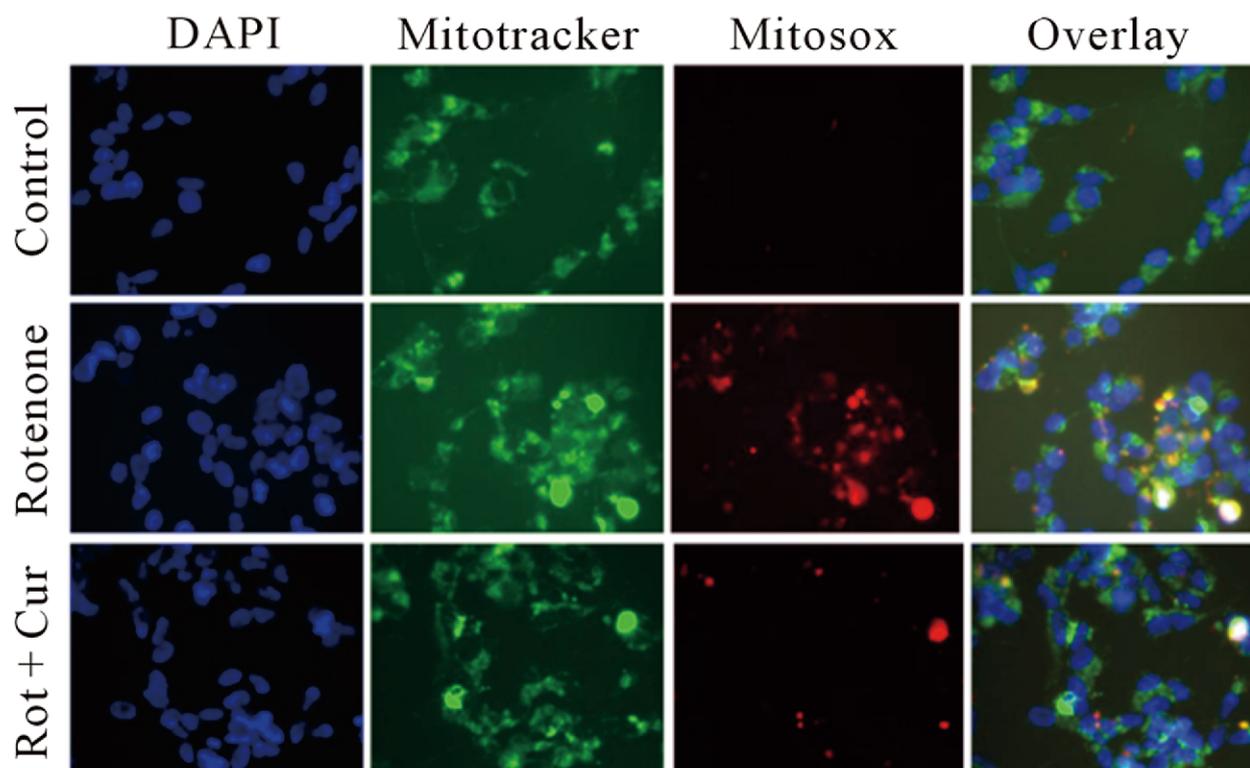




# Advances in Parkinson's Disease



ISSN : 2169-9712



9 772169 971002 04

# Journal Editorial Board

ISSN 2169-9712 (Print) ISSN 2169-9720 (Online)

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

---

## Editorial Board

|   |  |
|---|--|
| <b>Prof. Kambiz N. Alavian</b>          | Yale University, USA   |
| <b>Prof. Rajnish Kumar Chaturvedi</b>   | Indian Institute of Toxicology Research, India                   |
| <b>Prof. Linan Chen</b>                 | The University of Chicago, USA                                   |
| <b>Dr. Yansheng Du</b>                  | Indiana University School of Medicine, USA                       |
| <b>Prof. Behzad Elahi</b>               | University of Toronto, Canada                                    |
| <b>Dr. Eveline Geiser</b>               | Massachusetts Institute of Technology, USA                       |
| <b>Prof. Corey R. Hopkins</b>           | Vanderbilt University Medical Center, USA                        |
| <b>Dr. Krisztina K. Johansen</b>        | St. Olavs Hospital, Norway                                       |
| <b>Dr. Orhan Tansel Korkmaz</b>         | University of Eskisehir Osmangazi, Turkey                        |
| <b>Dr. Robert LeMoyne</b>               | Independent, USA   |
| <b>Prof. Xinmin Liu</b>                 | Columbia University Medical Center, USA                          |
| <b>Prof. Maja Diana Neely</b>           | Vanderbilt Kennedy Center for Research on Human Development, USA |
| <b>Prof. Joe Robert Nocera</b>          | Emory University, USA  |
| <b>Prof. Zhen Qi</b>                    | Georgia Institute of Technology, USA                             |
| <b>Prof. Laura Rocchi</b>               | University of Bologna, Italy                                     |
| <b>Prof. Marie-Helene Saint-Hilaire</b> | Boston University Medical Center, USA                            |
| <b>Prof. John Thomas Slevin</b>         | University of Kentucky College of Medicine, USA                  |
| <b>Prof. Wanli W. Smith</b>             | University of Maryland, USA                                      |
| <b>Prof. Andrei Surguchov</b>           | VA Medical Center and Kansas University Medical Center, USA      |
| <b>Prof. Anusha Venkatakrisnan</b>      | ICF International, Inc., USA                                     |
| <b>Prof. James Tin Hang Yip</b>         | The University of Hong Kong, China                               |

## TABLE OF CONTENTS

Volume 2, Number 4, November 2013

|   |     |
|---|-----|
| <b>Virtual games and quality of life in Parkinson’s disease: A randomised controlled trial</b>                      |     |
| G. Pedreira, A. Prazeres, D. Cruz, I. Gomes, L. Monteiro, A. Melo.....  | 97  |
| <b>Aquatic physical therapy for Parkinson’s disease</b>   |     |
| T. G. G. Zotz, E. A. Souza, V. L. Israel, A. P. C. Loureiro.....  | 102 |
| <b>Pseudoparkinsonism: A review of a common nonparkinsonian hypokinetic movement disorder</b>                       |     |
| R. Kurlan, M. L. Rabin.....   | 108 |
| <b>Wearable and wireless accelerometer systems for monitoring Parkinson’s disease patients—A perspective review</b> |     |
| R. LeMoynes.....  | 113 |
| <b>Parkinson’s disease: Is there a light at the end of a tunnel?</b>  |     |
| A. Surguchov.....   | 116 |
| <b>A prescription for physical therapy and exercise in Parkinson’s disease</b>                                      |     |
| M. Saint-Hilaire, T. Ellis.....   | 118 |

# **Advances in Parkinson's Disease (APD)**

## **Journal Information**

### **SUBSCRIPTIONS**

The *Advances in Parkinson's Disease* (Online at Scientific Research Publishing, [www.SciRP.org](http://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](mailto:sub@scirp.org)

### **SERVICES**

#### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

#### **Reprints (minimum quantity 100 copies)**

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

E-mail: [sub@scirp.org](mailto: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.

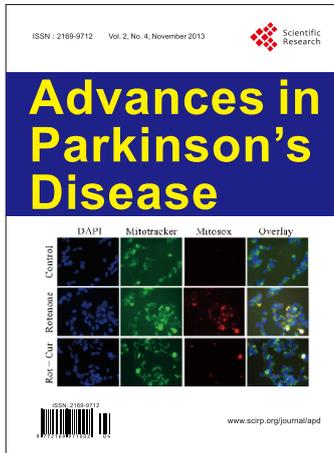
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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: [apd@scirp.org](mailto:apd@scirp.org)



# Advances in Parkinson's Disease (APD)

ISSN 2169-9712 (Print) ISSN 2169-9720 (Online)

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

**Advances in Parkinson's Disease (APD)** is a quarterly open access journal. 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 all aspects of Parkinson's disease.

## 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 in hard copy. The areas covered by *Advances in Parkinson's disease (APD)* include but are not limited to:

- Diagnosis and treatment of Parkinson's disease
- Epidemiological studies of Parkinson's disease
- Etiology of Parkinson's disease
- Genetics of Parkinson's disease
- Molecular correlates of Parkinson's disease
- Parkinsonian gait
- Pathogenesis of Parkinson's disease
- Pharmacology of Parkinson's disease
- Psychology of Parkinson's disease
- Signs and symptoms of Parkinson's disease

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

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.

## Website and E-Mail

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

E-mail: [apd@scirp.org](mailto:apd@scirp.org)