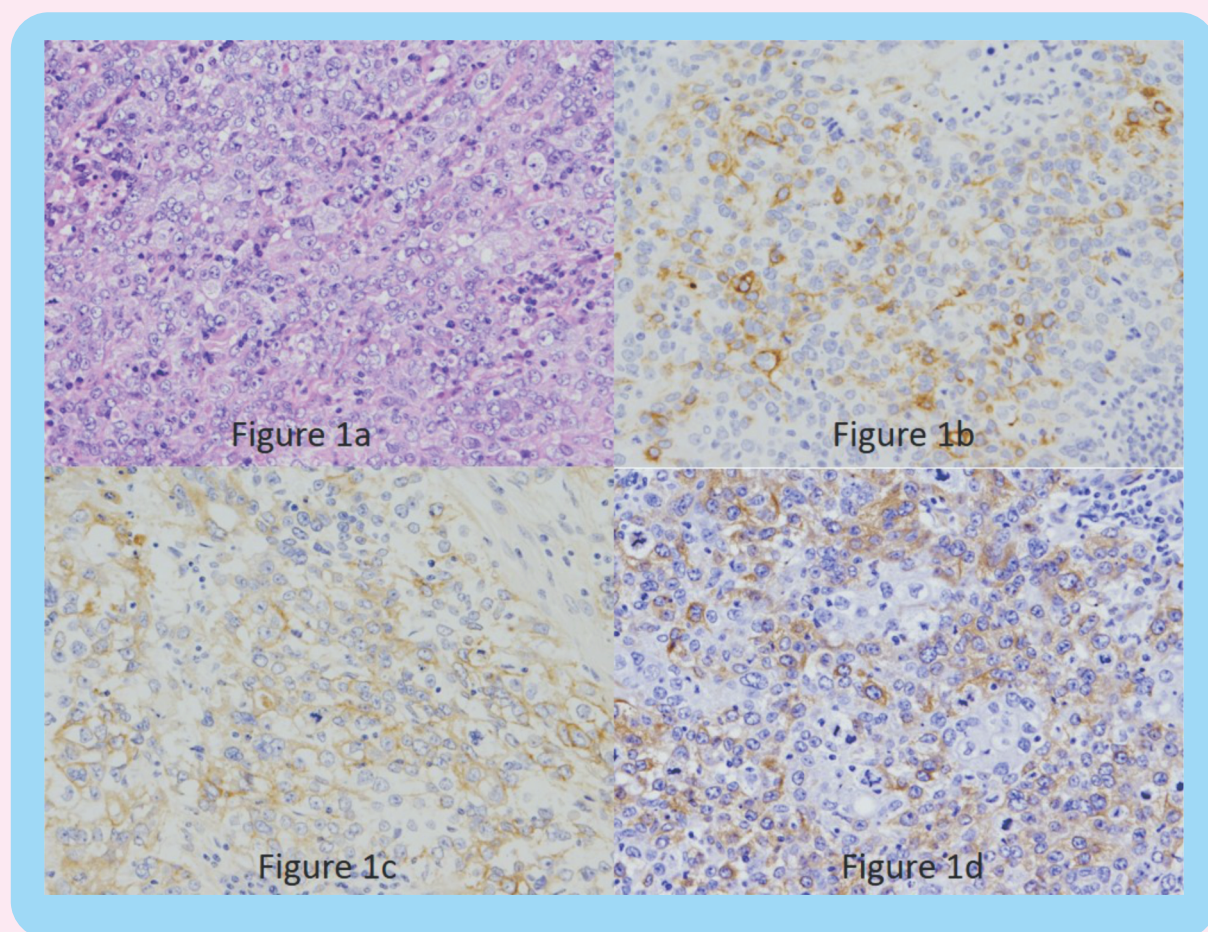




# Advances in Breast Cancer Research



ISSN: 2168-1589



# Journal Editorial Board

ISSN Print: 2168-1589

ISSN Online: 2168-1597

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

---

## Editor-in-Chief

**Prof. Gerhard N. Schrauzer**

University of California, USA

## Editorial Board

**Prof. Abbes Belkhir**

Vanderbilt University, USA

**Dr. Kevin D. Brown**

University of Florida, USA

**Dr. Jeon-Hor Chen**

University of California Irvine, USA

**Dr. Thierry Dubois**

Institut Curie, France

**Dr. Yesim Gkmen-Polar**

Indiana University, USA

**Dr. Randall E. Harris**

Ohio State University Medical Center, USA

**Dr. Zhiwei Hu**

Yale University School of Medicine, USA

**Dr. Xi Huang**

New York University, USA

**Dr. Muhammad D. Hussain**

Texas A&M Health Sciences Center, USA

**Dr. Scott M. Kahn**

Columbia University, USA

**Dr. Julia Kravchenko**

Duke University, USA

**Dr. Quang A. Le**

Western University of Health Sciences, USA

**Dr. Peng Lee**

NYU Langone Medical Center, USA

**Dr. Suling Liu**

University of Michigan, USA

**Dr. Manijeh Pashar**

University of Alberta, Canada

**Dr. Rafat Ali Siddiqui**

Methodist Research Institute, USA

**Dr. Ramon Chang Sun**

Ohio State University, USA

**Dr. Oleh Taratula**

Oregon State University, USA

**Dr. Julia C. Tchou**

University of Pennsylvania, USA

**Dr. Paul Andrew Townsend**

University of Southampton, UK

**Dr. Peizhong Peter Wang**

Memorial University of Newfoundland, Canada

**Prof. William K. K. Wu**

The University of Hong Kong, China

**Dr. Mei Xu**

University of Kentucky, USA

**Dr. Eldad Zacksenhaus**

University of Toronto, Canada

**Dr. Mahvash Zakikhani**

McGill University, Canada

## TABLE OF CONTENTS

**Volume 2    Number 4**

**October 2013**

### **Symptom Cluster Research in Women with Breast Cancer: A Comparison of Three Subgrouping Techniques**

A. R. Starkweather, D. E. Lyon, R. K. Elswick Jr., A. Montpetit, Y. Conley, N. L. McCain.....107

### **Polymorphisms at *GSTM1*, *GSTP1*, *GSTT1* Detoxification Genes Loci and Risk of Breast Cancer in Kazakhstan Population**

T. S. Balmukhanov, A. K. Khanseitova, V. G. Nigmatova, E. E. Ashirbekov, Sh. Zh. Talaeva, N. A. Aitkhozhina.....114

### **Parametric Cure Model versus Proportional Hazards Model in Survival Analysis of Breast Cancer and Other Malignancies**

S. Maetani, J. W. Gamel.....119

### **Early Results of Omitting Completion Axillary Lymph Node Dissection in Sentinel Lymph Node Metastasis-Positive Breast Cancer Patients**

J. Honda, H. Matsuoka, C. Hirose, T. Nagao, T. Yoshida, M. Takahashi, I. Imoto, M. Sasa.....126

### **Subcutaneous Trastuzumab (Herceptin®): A UK Time and Motion Study in Comparison with Intravenous Formulation for the Treatment of Patients with HER2-Positive Early Breast Cancer**

R. Burcombe, S. Chan, R. Simcock, K. Samanta, F. Percival, P. Barrett-Lee.....133

### **Is Repetition of the Contralateral Mammogram of Patients Referred for Unilateral Findings from the Dutch Breast Cancer Screening Necessary?**

C. J. G. Castro, R. J. Schipper, L. M. van Roozendaal, M. van Goethem, M. B. I. Lobbes, M. L. Smidt.....141

### **Are Family Doctors Compliant with Breast Family History Guidelines?**

J. Thomas, M. Sugrue, S. Curran, M. Furey, R. Sugrue.....149

### **Lymphedema in the Mastectomy Postoperative Period: An Integrative Literature Review**

A. F. C. Fernandes, G. O. Vidal, C. B. Moreira, T. B. de Castro e Silva, P. N. R. Valentim, M. C. L. Santos.....154

### **Action of the Disintegrin Contortrostatin on Breast Cancer Cell Primary Cultures**

I. Marinou, S. Havaki, N. Goutas, D. Vlachodimitropoulos, G. Baltatzis, E. G. Konstantakou, D. J. Stravopodis,  
D. G. Koudoumas, E. Marinos, M. Kouloukoussa.....161

---

The figure on the front cover is from the article published in *Advances in Breast Cancer Research*, 2013, Vol. 2, No. 3, pp. 66-71 by Hajime Kuroda, *et al.*

# **Advances in Breast Cancer Research (ABCR)**

## **Journal Information**

### **SUBSCRIPTIONS**

The *Advances in Breast Cancer Research* (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: [abcr@scirp.org](mailto:abcr@scirp.org)



**Call for Papers**

# Advances in Breast Cancer Research

ISSN Print: 2168-1589    ISSN Online: 2168-1597  
<http://www.scirp.org/journal/abcr>

**Advances in Breast Cancer Research (ABCR)** is an open access journal published quarterly. The goal of this journal is to provide a platform for doctors and academicians all over the world to promote, share, and discuss various new issues and developments in breast cancer related problems.

## Editor-in-Chief

**Prof. Gerhard N. Schrauzer**

University of California, USA

## Editorial Board

**Prof. Abbes Belkhir**

**Dr. Kevin D. Brown**

**Dr. Jeon-Hor Chen**

**Dr. Thierry Dubois**

**Dr. Yesim Gkmen-Polar**

**Dr. Randall E. Harris**

**Dr. Zhiwei Hu**

**Dr. Xi Huang**

**Dr. Muhammad D. Hussain**

**Dr. Scott M. Kahn**

**Dr. Julia Kravchenko**

**Dr. Quang A. Le**

**Dr. Peng Lee**

**Dr. Suling Liu**

**Dr. Manijeh Pashar**

**Dr. Rafat Ali Siddiqui**

**Dr. Ramon Chang Sun**

**Dr. Oleh Taratula**

**Dr. Julia C. Tchou**

**Dr. Paul Andrew Townsend**

**Dr. Peizhong Peter Wang**

**Prof. William K. K. Wu**

**Dr. Mei Xu**

**Dr. Eldad Zacksenhaus**

**Dr. Mahvash Zakikhani**

## 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 journal publishes original papers including but not limited to the following fields:

- Basic Biology and Breast Cancer
- Biomarkers of Breast Cancer
- Breast Cancer and Metabolic Syndrome
- Cellular Research in Breast Cancer
- Drug Development in Breast Cancer
- Enhanced Survival and Quality of Life for Breast Cancer Patient
- Genetic Basis of Breast Cancer
- Health Services Research in Breast Cancer Care
- Imaging Studies of Normal Breast and Breast Diseases
- Models of Breast Carcinogenesis and Prognosis of Breast Cancer
- Normal Mammary Gland Biology
- Radiotherapy in Breast Cancer

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/abcr>

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