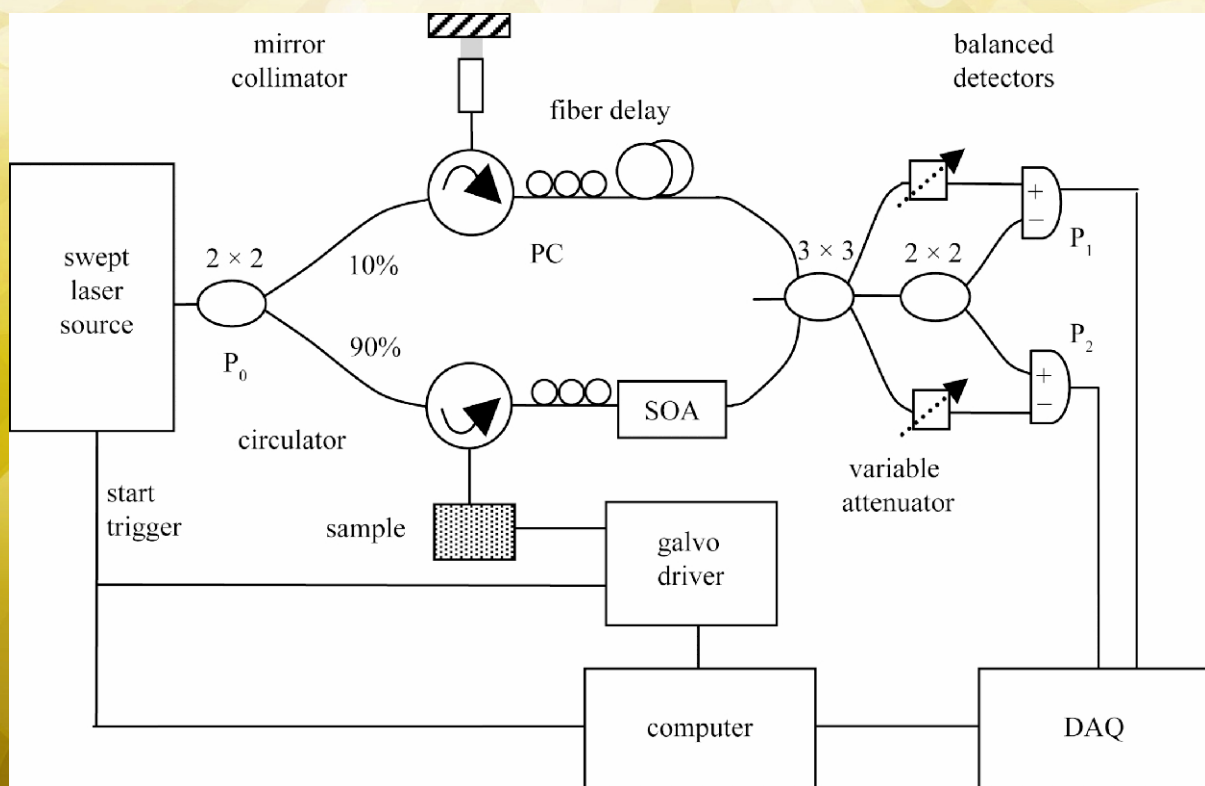


JBiSE

ISSN: 1937-6871

Volume 4 Number 12 December 2011

Journal of **Biomedical Science and Engineering**



ISSN: 1937-6871



Editor-in-Chief
Kuo-Chen Chou

Journal Editorial Board

ISSN 1937-6871 (Print) ISSN 1937-688X (Online)

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

Editor-in-Chief

Prof. Kuo-Chen Chou

Gordon Life Science Institute, San Diego, California, USA

Editorial Board

Prof. Suleyman I. Allakhverdiev

Institute of Basic Biological Problems, Russia

Prof. Christopher J. Branford-White

London Metropolitan University, UK

Prof. Thomas Casavant

University of Iowa, USA

Dr. Feng Cheng

Yale University, USA

Prof. Reba Goodman

Columbia University, USA

Prof. Fu-Chu He

Chinese Academy of Science, China

Prof. Robert L. Heinrikson

Proteos, Inc., USA

Prof. Zeng-Jian Hu

Howard University, USA

Prof. Takeshi Kikuchi

Ritsumeikan University, Japan

Prof. Rob Krams

Imperial College, UK

Prof. Lukasz Kurgan

University of Alberta, Canada

Prof. Juan Liu

Wuhan University, China

Dr. Patrick Ma

The Hong Kong Polytechnic University, China

Dr. Girdhar K. Pandey

University of Delhi South Campus, India

Dr. Ganesan Pugalenti

Genome Institute of Singapore, Singapore

Prof. Harold A. Scheraga

Cornell University, USA

Prof. Hong-Bin Shen

Shanghai Jiaotong University, China

Dr. Yan-Mei Tie

Harvard Medical School, USA

Dr. Elif Derya Ubeyli

TOBB University of Economics and Technology, Turkey

Dr. Ching-Sung Wang

Oriental Institute Technology, Taiwan (China)

Prof. Dong-Qing Wei

Shanghai Jiaotong University, China

Dr. Murali M. Yallapu

Sanford Research/USD, USA

Prof. Zhi-Zhou Zhang

Harbin Institute of Technology, China

Managing Executive Editor

Dr. Yufei Chen

Scientific Research Publishing, USA Email: yfchen@scirp.org

Editorial Assistant

Maggie Chen

Scientific Research Publishing, USA Email: jbise@scirp.org

Guest Reviewers

Long Cheng

Harshavardhan Shakila

Gopal Krishan

Mohammad Bagher Shamsollahi

Feng Li

Le Zhang

Shenghua Ni

TABLE OF CONTENTS

Volume 4, Number 12, December 2011

Polymer-based nanoparticulate solid dispersions prepared by a modified electrospraying process	
D.-G. Yu, G. R. Williams, X. Wang, J.-H. Yang, X.-Y. Li, W. Qian, Y. Li.....	741
Embryoprotein TWIST distribution in breast cancer cells MDA-MB-231 treated with 5-Fluorouracil and malnutrition	
J. Escobar-Cabrera, A. Rodríguez-Torres, L. Berumen-Segura, G. G. Alcocer.....	750
Imaging of arterial plaque by quadrature swept-source optical coherence tomography with signal to noise ratio enhancements	
Y. X. Mao, C. Flueraru, S. Chang.....	755
Analysis of trans tibial prosthetic socket materials using finite element method	
P. K. Lenka, A. R. Choudhury.....	762
Ovulation detection mechanism—a microcomputer based approach	
O. K. Ogidan, A. J. Bamisaye, O. Adetan.....	769
EEGcorco: a computer program to simultaneously calculate and statistically analyze EEG coherence and correlation	
M. A. Guevara, M. Hernández-González, A. Sanz-Martin, C. Amezcua.....	774
A review of developments of EEG-based automatic medical support systems for epilepsy diagnosis and seizure detection	
Y. D. Song.....	788

The figure on the front cover is from the article published in Journal of Biomedical Science and Engineering, 2011, Vol. 4, No. 12, pp. 755-761, by Youxin Mao, Costel Flueraru and Shoude Chang.

Journal of Biomedical Science and Engineering (JBiSE)

Journal Information

SUBSCRIPTIONS

The *Journal of Biomedical Science and Engineering* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 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©2011 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: jbise@scirp.org

