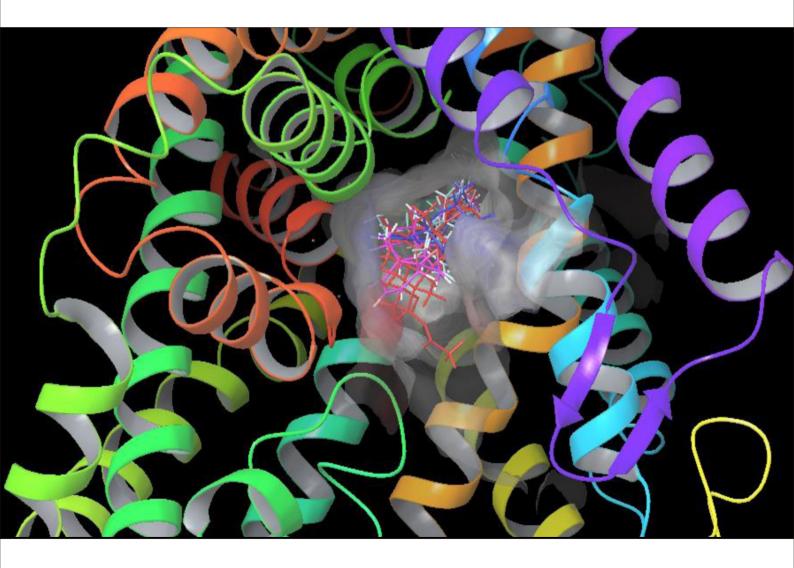


# Advances in Biological Chemistry





www.scirp.org/journal/abc

## **Journal Editorial Board**

ISSN 2162-2183 (Print) ISSN 2162-2191 (Online) http://www.scirp.org/journal/abc

**Editor-in-Chief** 

Prof. Gary W. Black

Northumbria University, UK

#### **Editorial Board**

Prof. Feng Wu Bai Dr. Eduardo Alberto Castro Dr. Krishna Chinthalapudi **Prof. Chi-Hin Cho Prof. Howard William Clark** Dr. Madhu Dhar **Dr. Nicolay Ivanov Dodoff** Dr. Rossen M. Donev Dr. Pablo R. Duchowicz **Prof. Asim K. Duttarov** Dr. Hani El-Nezami Dr. Prakash MMS Kinthada FRSC Dr. Purnachandra Nagaraju Ganji Dr. Devrishi Goswami Prof. Alireza Heidari **Dr. Havard Jenssen** Dr. Alexander A. Konstantinov Dr. Shinichiro Kurosawa Dr. David X. Liu Dr. Zixian Lu Dr. Peizhong Mao **Dr. Jim Mixson** Dr. Monalisa Mukherjea Dr. Ali B. Naini Dr. Moreno-Sánchez Rafael Prof. Pogaku Ravindra Dr. David J. Riese II **Prof. Arun Seth** Dr. Mohammad Shahnawaz **Prof. Akira Sugawara Prof. Pietro Volpe** Dr. Ling Shing Wong Dr. Deyu Xie Dr. Tetiana Zaichuk **Dr. Tong Zhang** 

Dalian University of Technology, China Universidad Nacional de La Plata, Argentina The Scripps Research Institute, USA The Chinese University of Hong Kong, China University of Southampton, UK University of Tennessee, USA Bulgarian Academy of Sciences, Bulgaria Swansea University, UK La Plata National University, Argentina University of Oslo, Norway University of Hong Kong, China Sree Vidyanikethan Engineering College, India Emory University, USA The Scripps Research Institute, USA American International Standards Institute (AISI), Irvine, California, USA Roskilde University, Denmark Moscow State University, Russia Boston University, USA Pennsylvania State University College of Medicine, USA Academy of State Adinistration of Grain, China Oregon Health & Science University (OHSU), USA University of Maryland School of Medicine, USA University of Pennsylvania, USA Columbia University Medical Center, USA Instituto Nacional de Cardiologia, Mexico University Malaysia Sabah, Malaysia Auburn University, USA Sunnybrook Health Sciences Centre, Canada University of Texas Health Science Center at Houston, USA Tohoku University Graduate School of Medicine, Japan University of Rome "Tor Vergata", Italy INTI International University, Malaysia North Carolina State University, USA Northwestern University, USA The University of Hong Kong, China



### **Table of Contents**

#### Volume 8 Number 5

#### October 2018

Characterization of Chitotriosidase Enzyme Activity in the Serum of the American Alligator ( <i>Alligator mississippiensis</i> )	
K. Kidder, R. Falconi, M. Merchant	1
Study of Human Serum Albumin-SPIONs Loaded PLGA Nanoparticles for Protein Delivery	

S. Vidawati, S. Barbosa, P. Taboada, E. Villar, A. Topete, V. Mosquera......91

#### Advances in Biological Chemistry (ABC) Journal Information

#### **SUBSCRIPTIONS**

The *Advances in Biological Chemistry* (Online at Scientific Research Publishing, <u>www.Scirp.org</u>) is published bimonthly by Scientific Research Publishing, Inc., USA.

Subscription rates: Print: \$79 per issue. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

#### 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: <u>sub@scirp.org</u>

#### COPYRIGHT

#### Copyright and reuse rights for the front matter of the journal:

Copyright © 2018 by Scientific Research Publishing Inc. This work is licensed under the Creative Commons Attribution International License (CC BY). http://creativecommons.org/licenses/by/4.0/

#### Copyright for individual papers of the journal:

Copyright © 2018 by author(s) and Scientific Research Publishing Inc.

#### Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

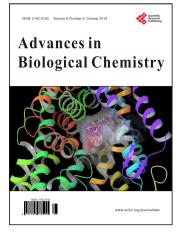
#### Disclaimer of liability

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: <a href="mailto:abc@scirp.org">abc@scirp.org</a>

## Call for Papers



## Advances in Biological Chemistry (ABC)

ISSN 2162-2183 (Print) ISSN 2162-2191 (Online) http://www.scirp.org/journal/abc

Advances in Biological Chemistry (ABC) is an international journal dedicated to the latest advancement of Biological Chemistry. 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 Biological Chemistry. All manuscripts must be prepared in English, and are subject to a rigorous and fair 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:

- Animal and Human Biochemistry
- Applied Biochemistry and Biochemical Engineering
- Biocatalysis
- Biochemical Immunology
- Biochemical Methods
- Biochemical Pharmacology and Toxicology
- Biomolecular Spectroscopy
- Carbohydrate Biochemistry
- Computational Biochemistry and Biomolecular Modelling
- Enzymology
- Inorganic Biochemistry

- Lipid Biochemistry
- Medical Biochemistry
- Medicinal Chemistry
- Membrane Biochemistry
- Microbial Biochemistry
- Neurobiochemistry
- Nucleic Acids Biochemistry
- Peptide and Protein Biochemistry
- Plant Biochemistry
- Structural Bioinformatics
- Synthetic Biology

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/abc

E-mail: abc@scirp.org

#### What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

#### What is Open Access?

Art and Design Review

Advances in

dvances in Biological bemistry Entomolog

Applied Mathematics

Engineering

nii ili a

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



Soft

Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org