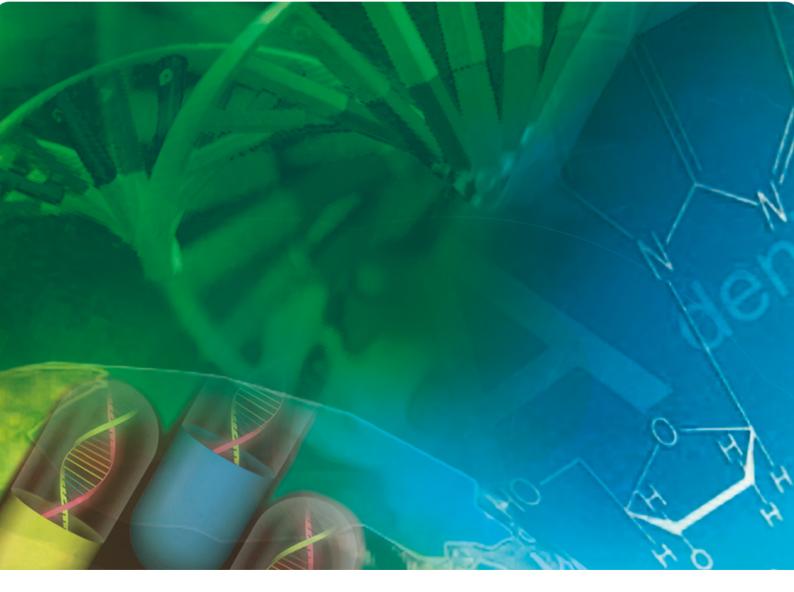


# American Journal of Molecular Biology





www.scirp.org/journal/ajmb

# **Journal Editorial Board**

ISSN Print: 2161-6620 ISSN Online: 2161-6663 http://www.scirp.org/journal/ajmb

#### **Editor-in-Chief**

Prof. Wei Du

The University of Chicago, USA

### **Editorial Board**

Dr. Wael M. Abdel-Rahman **Dr. Mary Cloud B. Ammons** Dr. Eran R. Andrechek Prof. Deepak Bastia Prof. Richard A. Cardullo Dr. Yangchao Chen Prof. Yi-Han Chen **Prof. James CS Chim** Dr. Nelson W. Chong Dr. François-Xavier Clare Dr. Mei-Zhen Cui Dr. J. Nathan Davis **Prof. Emmanuel Dias-Neto** Dr. Kangmin Duan Dr. Steven N. Fiering Prof. Juraj Gregan Prof. Kun He **Dr.** Liping Huang Prof. Ulrich Hübscher **Prof. Cizhong Jiang Prof. Peng Lee** Prof. Lian Li Prof. Shu-Lin Liu Prof. Yuin-Han Jonathan Loh Dr. Jianxin Ma Prof. Azzam A. Maghazachi Dr. Hengye Man Prof. Jacques E. Nör Prof. John S. O'Neill Prof. Giulio Maria Pasinetti Dr. Vickas V. Patel Dr. Manuel Narváez Peláez Dr. Rosario Osta Pinzolas Prof. Bimal K. Ray Dr. Elias Said **Dr. Honglian Shi** Prof. Bronislaw L. Slomiany Dr. Teruko Taketo Dr. Olga Vinogradova Dr. Tzung-Dau Wang **Prof. David S. Waugh** Dr. Jian-Jun Wei Prof. Gayle E. Woloschak Prof. Xiang-Qun (Sean) Xie Dr. Yunfeng Zhao Dr. Jing Zheng

Sharjah University, UAE Montana State University, USA Michigan State University, USA Medical University of South Carolina, USA University of California, USA Chinese University of Hong Kong, China Tongji University, China University of Hong Kong, China University of Leicester, UK University of Texas, USA University of Tennessee, USA Quinnipiac University, USA AC Camargo Hospital, Brazil University of Manitoba, Canada Dartmouth Medical School, USA University of Vienna, Austria Monsanto Company, USA USDA/ARS/Western Human Nutrition Research Center, USA University of Zürich, Switzerland Tongji University, China New York University, USA Emory University, USA Harbin Medical University, China Children's Hospital Boston, USA Purdue University, USA University of Oslo, Norway Boston University, USA University of Michigan, USA University of Cambridge, UK Mount Sinai School of Medicine, USA University of Pennsylvania, USA University of Málaga, Spain University of Zaragoza, Spain University of Missouri-Columbia, USA Sultan Qaboos University, Oman University of Kansas, USA Rutgers School of Dental Medicine, USA McGill University, Canada University of Connecticut, USA National Taiwan University, China NCI-Frederick, USA Northwestern University, USA Northwestern University, USA University of Pittsburgh, USA LSU Health Sciences Center, USA Northwestern University, USA



# **Table of Contents**

# Volume 9 Number 1

# January 2019

# Immunomodulatory Effect of Purified Exotoxins of *Staphylococcus aureus* in Association with Bird Flu Virus Vaccine in Broilers

M. U. Ghani, M. D. Mehmood, A. Javed, F. Ansari, H. Anwar, S. Noreen, S. H. Shah......1

Tropomyosin Isoform Expression in the Adductor Muscle of the Japanese Pearl Oyster, *Pinctada fucata* 

D. Funabara, A. Ohta, J. Sueyoshi, S. Kanoh.....16

# American Journal of Molecular Biology (AJMB) Journal Information

#### SUBSCRIPTIONS

The *American Journal of Molecular Biology* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published quarterly 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 © 2019 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 © 2019 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: ajmb@scirp.org

# **Call for Papers**

# American Journal of Molecular Biology (AJMB)

ISSN 2161-6620 (Print) ISSN 2161-6663 (Online) http://www.scirp.org/journal/ajmb American Journal of Molecular Biology

SN: 2161-6820 Volume 9 Number 1 January 2010

Scientific Research Publishing



American Journal of Molecular Biology (AJMB) is an international journal dedicated to the latest advancement of molecular biology. 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 molecular biology. 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.

## **Editorial Board**

Dr. Wael M. Abdel-Rahman Dr. Mary Cloud B. Ammons Dr. Eran R. Andrechek Prof. Deepak Bastia Prof. Richard A. Cardullo Dr. Yangchao Chen Prof. Yi-Han Chen Prof. James CS Chim Dr. Nelson W. Chong Dr. François-Xavier Claret Dr. Mei-Zhen Cui Dr. J. Nathan Davis Prof. Emmanuel Dias-Neto Dr. Kangmin Duan Dr. Steven N. Fiering Prof. Juraj Gregan Prof. Kun He Dr. Liping Huang Prof. Ulrich Hübscher Prof. Cizhong Jiang Prof. Peng Lee Prof. Lian Li Prof. Shu-Lin Liu Prof. Yuin-Han Jonathan Loh Dr. Jianxin Ma Prof. Azzam A. Maghazachi

Dr. Hengye Man Prof. Jacques E. Nör Prof. John S. O'Neill Prof. Giulio Maria Pasinetti Dr. Vickas V. Patel Dr. Manuel Narváez Peláez Dr. Rosario Osta Pinzolas Prof. Bimal K. Ray Dr. Elias Said Dr. Honglian Shi Prof. Bronislaw L. Slomiany Dr. Teruko Taketo Dr. Olga Vinogradova Dr. Tzung-Dau Wang Prof. David S. Waugh Dr. Jian-Jun Wei Prof. Gayle E. Woloschak Prof. Xiang-Qun (Sean) Xie Dr. Yunfeng Zhao Dr. Jing Zheng

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

- Algorithms for Molecular Biology
- Biochemistry and Molecular Biology
- Biophysics and Molecular Biology
- Cellular & Molecular Biology
- Electrophoresis
- Gene Expression
- Genomics
- GH Family
- Insect Biochemistry and Molecular Biology
- Insect Molecular Biology
- Microbiology and Molecular Biology

- Molecular Biology and Evolution
- Molecular Biology of the Cell
- Molecular Biology Techniques
- Molecular Evolution
- Molecular Genetics
- Molecular Neuroscience
- Peptides
- Physiology and Molecular Biology of Plants
- Plant Molecular Biology
- Proteins
- Steroid Biochemistry and Molecular 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.

# **Notes for Intending Authors**

Submitted papers should not be previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. For more details, please access the website.

# Website and E-Mail

http://www.scirp.org/journal/ajmb

## 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

uitit e

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