

Table of Contents

International Journal of Knowledge Discovery in Bioinformatics

Volume 5 • Issue 1 • January-June-2015 • ISSN: 1947-9115 • eISSN: 1947-9123

An official publication of the Information Resources Management Association

Research Articles

- 1 **In Silico Biosimulation of Isoflurane Effects on Brain Using Transcriptome-To-Metabolome™ Technology: Anesthesia Effects on Rat Amygdala & Cortex Metabolism**
Allen K. Bourdon, University of Tennessee, Knoxville, TN, USA
Clyde F. Phelix, University of Texas at San Antonio, San Antonio, TX, USA
- 11 **Use Online Multi-Cloud Platform Lab with Intellectual Agents: Avatars for Study of Knowledge Visualization & Probability Theory in Bioinformatics**
Vardan Mkrttchia, HHH University, Lane Cove, Australia
- 24 **Low Dose Pioglitazone Attenuates Oxidative Damage in Early Alzheimer's Disease by Binding mitoNEET: Transcriptome-To-Reactome™ Biosimulation of Neurons**
Charles D. Hammack, University of Texas at San Antonio, San Antonio, TX, USA
George Perry, University of Texas at San Antonio, San Antonio, TX, USA
Richard G. LeBaron, University of Texas at San Antonio, San Antonio, TX, USA
Greg Villareal, AL Phahelix Biometrics, Inc., San Antonio, TX, USA
Clyde F. Phelix, University of Texas at San Antonio, San Antonio, TX, USA
- 46 **Animal Actin Phylogeny and RNA Secondary Structure Study**
Bibhuti Prasad Barik, P.G. Department of Zoology, Khallikote University, Brahmapur, India

COPYRIGHT

The **International Journal of Knowledge Discovery in Bioinformatics (IJKDB)** (ISSN 1947-9115; eISSN 1947-9123), Copyright © 2015 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Knowledge Discovery in Bioinformatics* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory