

Table of Contents

International Journal of Knowledge Discovery in Bioinformatics

Volume 7 • Issue 2 • July-December-2017 • ISSN: 1947-9115 • eISSN: 1947-9123

An official publication of the Information Resources Management Association

Research Articles

- 1 A Web Database IR-PDB for Sequence Repeats of Proteins in the Protein Data Bank**
Selvaraj Samuel, Department of Bioinformatics, School of Life Sciences, Bharathidasan University, Tiruchirappalli, India
Mary Rajathe, Department of Bioinformatics, School of Life Sciences, Bharathidasan University, Tiruchirappalli, India
- 11 Mitochondrial Pyruvate Carrier 1 and 2 Heterodimer, In Silico, Models of Plant and Human Complexes: A Comparison of Structure and Transporter Binding Properties**
Jason L Dugan, University of Texas at San Antonio, San Antonio, Texas, United States
Allen K Bourdon, University of Tennessee at Knoxville, Knoxville, Tennessee, United States
Clyde F. Phelix, University of Texas at San Antonio, San Antonio, Texas, United States
- 43 MSDC-0160 and MSDC-0602 Binding with Human Mitochondrial Pyruvate Carrier (MPC) 1 and 2 Heterodimer: PPAR γ Activating and Sparing TZDs as Therapeutics**
Clyde F. Phelix, University of Texas at San Antonio, San Antonio, Texas, United States
Allen K Bourdon, University of Tennessee at Knoxville, Knoxville, Tennessee, United States
Jason L Dugan, University of Texas at San Antonio, San Antonio, Texas, United States
Greg Villareal, AL Phahelix Biometrics, Inc., San Antonio, Texas, United States
George Perry, University of Texas at San Antonio, San Antonio, Texas, United States
- 68 Alzheimer's and Parkinson's Disease Novel Therapeutic Target: The Mitochondrial Pyruvate Carrier - Ligand Docking to Screen Natural Compounds Related to Classic Inhibitors**
Allen K. Bourdon, University of Tennessee at Knoxville, Knoxville, Tennessee, United States
Greg Villareal, AL Phahelix Biometrics, Inc., San Antonio, Texas, United States
George Perry, University of Texas at San Antonio, San Antonio, Texas, United States
Clyde F. Phelix, University of Texas at San Antonio, San Antonio, Texas, United States
- 83 Genome Subsequences Assembly Using Approximate Matching Techniques in Hadoop**
Govindan Raja, National Institute of Technology, Trichy, India
U. Srinivasulu Reddy, Department of Computer Applications, National Institute of Technology, Trichy, India

COPYRIGHT

The **International Journal of Knowledge Discovery in Bioinformatics (IJKDB)** (ISSN 1947-9115; eISSN 1947-9123), Copyright © 2017 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