



**Special Issue — Selected Papers from BICOB2015; Guest
Editors: F. Saeed, N. Haspel and H. Al-Mubaid**

**Introduction to the selected papers from the 7th International Conference on
Bioinformatics and Computational Biology (BICoB 2015)**

Fahad Saeed, Nurit Haspel, Hisham Al-Mubaid

1602002

Quality assurance of the gene ontology using abstraction networks

Christopher Ochs, Yehoshua Perl, Michael Halper, James Geller, Jane Lomax

1642001

**Accurate refinement of docked protein complexes using evolutionary information and
deep learning**

Bahar Akbal-Delibas, Roshanak Farhoodi, Marc Pomplun, Nurit Haspel

1642002

ModFossa: A library for modeling ion channels using Python

Gareth B. Ferneyhough, Corey M. Thibeault, Sergiu M. Dascalu, Frederick C. Harris, Jr.

1642003

**Normalization of transposon-mutant library sequencing datasets to improve
identification of conditionally essential genes**

Michael A. DeJesus, Thomas R. Ioerger

1642004

**Consensus properties and their large-scale applications for the gene duplication
problem**

Jucheol Moon, Harris T. Lin, Oliver Eulenstein

1642005

Regular Paper: Review Paper

Advances in high throughput DNA sequence data compression

Muhammad Sardaraz, Muhammad Tahir, Ataul Aziz Ikram

1630002

Regular Papers: Research Papers

A Bayesian approach to analyzing phenotype microarray data enables estimation of microbial growth parameters

Matthias Gerstgrasser, Sarah Nicholls, Michael Stout, Katherine Smart, Chris Powell, Theodore Kypraios, Dov Stekel

1650007

Prediction of protein–protein interaction network using a multi-objective optimization approach

Archana Chowdhury, Pratyusha Rakshit, Amit Konar

1650008

An efficient algorithm for planar drawing of RNA structures with pseudoknots of any type

Yanga Byun, Kyungsook Han

1650009

Reverse engineering of gene regulatory networks based on S-systems and Bat algorithm

Sudip Mandal, Abhinandan Khan, Goutam Saha, Rajat Kumar Pal

1650010

Issues in performance evaluation for host–pathogen protein interaction prediction

Wajid Arshad Abbasi, Fayyaz Ul Amir Afsar Minhas

1650011

NES-REBS: A novel nuclear export signal prediction method using regular expressions and biochemical properties

Tingfang Wu, Xun Wang, Zheng Zhang, Faming Gong, Tao Song, Zhihua Chen, Pan Zhang, Yang Zhao

1650013