

**CALL FOR PAPERS**  
**IEEE Transactions on Nanobioscience**  
**Special Issue:**  
**“Special Section on Bioinformatics Research and Applications”**

The 12<sup>th</sup> edition of the International Symposium on Bioinformatics Research and Applications (ISBRA 2015) was held on June 5-8, 2016 in Minsk, Belarus. The symposium provides a forum for the exchange of ideas and results among researchers, developers, and practitioners working on all aspects of bioinformatics and computational biology and their applications.

The technical program of ISBRA 2016 also featured invited keynote talks by five distinguished speakers: Dr. Teresa M. Przytycka from National Institutes of Health spoke on network perspective on genetic variations: from model organisms to diseases, Prof. Ion Mandoiu from University of Connecticut spoke on challenges and opportunities in single cell genomics, Prof. Alexander Schoenhuth from Centrum Wiskunde and Informatica spoke on dealing with uncertainties in big genome data, Prof. Ilya Vakser from University of Kansas spoke on genome-wide structural modeling of protein-protein interactions and Prof. Max Alekseyev from George Washington University spoke on multi-genome scaffold co-assembly based on the analysis of gene orders and genomic repeats..

There were **85** extended abstracts received in response to the call for papers. The program committee decided to accept **42** of them for publication in the Springer LNBI proceedings and oral presentation at the symposium. Based on the IEEE Transactions on NanoBioscience guidelines for special sections, we invite full version of around 10 high quality, innovative papers from the 48 oral presentations to publish. Manuscripts will be subject to normal peer review procedures of the IEEE Transactions on NanoBioscience.

Follow the guideline (<http://tnb.embs.org/forauthors.html>) and submit your paper to Manuscript Central at <http://mc.manuscriptcentral.com/tnb-embs>, indicating in the cover letter that you wish the paper to be considered for the Special Issue “Special Section on Bioinformatics Research and Applications”.

Submission deadline: June 30, 2016

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