



FINALCALL FOR PAPERS  
IEEE/ACM Transactions on Computational Biology and Bioinformatics

Special Issue/Section:  
**Advances in the application and development of non-linear global optimization techniques in computational structural biology**

IEEE/ACM Transactions on Computational Biology and Bioinformatics (TCBB) seeks original manuscripts for a Special Issue/Section on Advances in the application and development of non-linear global optimization techniques in computational structural biology.

Computational structural biology is an important, growing research area that includes diverse problems, such as protein structure prediction, computational molecular assembly and computer-assisted drug design problems, such as protein-ligand binding, protein-protein, protein-RNA, and protein-DNA docking, as well as computer-assisted wet-laboratory structure resolving problems, like registration, reconstruction and refinement.

The aim of this special issue is to capture ongoing interdisciplinary research that draws upon joint expertise in meta-heuristic optimization and computational structural biology. The focus will be to provide both breadth in the diversity of selected problems and depth in state-of-the-art techniques for selected problems. Manuscripts of interests will therefore focus on the application of non-linear optimization to problems in structural biology. We particularly encourage theoretical and empirical work related to the development of new optimization protocols, the analysis of existing protocols to better understand performance, and examples of the application of complete protocols to yield biological insight.

Submitted articles must not have been previously published or currently submitted for journal publication elsewhere. As an author, you are responsible for understanding and adhering to our submission guidelines. You can access them at the IEEE Computer Society web site, [www.computer.org](http://www.computer.org). Please thoroughly read these before submitting your manuscript. Papers should be submitted directly to the IEEE/ACM TCBB manuscript central at: <https://mc.manuscriptcentral.com/tcbb-cs>

Please note the following revised **dates**:

Full Paper Regular Submission Due (Extended Deadline):	December 30 <sup>th</sup> , 2015
Notification of Results:	March 1 <sup>st</sup> , 2016
Revisions Due:	April 1 <sup>st</sup> , 2016
Notifications of Final Acceptance:	May 15 <sup>th</sup> , 2016
Submissions of Final Revised Papers:	June 1 <sup>st</sup> , 2016

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