

CALL FOR PAPERS: J-BHI Special Issue on "Computational solutions to large-scale data management and analysis in translational and personalized medicine"

Medicine is undergoing a revolution that is transforming the nature of healthcare from reactive to preventive. The changes are catalyzed by a new systems approach to disease management that focuses on integrated diagnosis, treatment and prevention of disease in individuals. This is expected to replace our current practice of medicine in the coming years with a personalized and predictive treatment focus. While the goal is clear, the path is fraught with challenges.

The Special Issue will build on, but will not be limited to, experiences as well as technological and scientific developments stemming from selected flagship projects funded by the EU under the FP7 framework programme aiming to bring together researchers working in the fields of infrastructures and technologies for integrative biomedical research, ICT (information and communication technologies) for predictive and translational medicine and the VPH (virtual physiological human) at large.

This Special Issue will be based on a selected number of papers under a Special Session on the same topic to be presented in the 12th IEEE International Conference on BioInformatics and BioEngineering (BIBE), Nov. 11-13, Cyprus (<http://bibe2012.cs.ucy.ac.cy/>) conference. Authors are invited to submit papers expanding their work presented at the BIBE 2012 conference. Moreover, authors who did not present in BIBE but their work falls under this call for papers are strongly encouraged to submit their manuscripts.

Regular papers can be submitted each having a maximal length of 7 printed IEEE journal pages. Only original and well-focused papers presenting previously unpublished work will be considered. The review will take place as outlined below and only papers with minor revisions will be accepted.

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SUBMISSION OF MANUSCRIPTS

Manuscripts must be prepared according to the format of the IEEE J-BHI (bme.ee.cuhk.edu.hk/TITB/instr4authors.html) and electronically submitted through the web-based Manuscript Central (embs-ieee.manuscriptcentral.com/). When submitting, authors are requested to *choose* "Computational solutions to large-scale data management and analysis in translational and personalized medicine" in the manuscript type to indicate that the paper is intended for this special issue.

REVISED DEADLINE FOR SUBMISSION: April 30th, 2013 FIRST REVIEWS DUE: June 30th, 2013

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For any further questions, please contact the Guest Editors or the Editor-in-Chief:
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