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Remarkable Discoveries and Scientific Breakthroughs in the Fields of Computer Science and Systems Biology

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Editorial Note

In recent years the advancements in Computer Science and Systems Biology are facing a growing interest in multifaceted fields, such as Genetic Algorithm, Computer Applications, Robotics, Artificial Intelligence, Bioinformatics, Biostatistics, Cloud Computation, Computational Sciences, Data Mining, Machine Learning, Mathematical Modeling, Cryptography, Neural Network, Human Brain Interface, Wireless Engineering, Cybernetics, and Security, especially within the last decade of research [1-8]. Besides, the technological advancements' spur plays a determining role to the wider dissemination of novel knowledge, both basic and applied, in the fields of Computer Science and Systems Biology [9-15]. The journal is committed to publish the most complete and reliable source of information on the advanced and very latest research topics aforementioned.

The experience of universally prominent editorial board members in the field of medicinal chemistry, or outside experts to review manuscripts, along with at least two independent reviewers, they are ensuring a fair and constructive double blind peer review process, while their recommendation is followed by the editorial decision, for the acceptance of any citable manuscript. All potential authors are warmly welcome to submit your laborious works for consideration and publication at the Journal of Computer Science and Systems Biology; while hoping all readers to find the accommodated research works at the journal as fascinating and vividly interesting.

References

- Bonham, Kevin S, and Melanie I Stefan. "Women are underrepresented in computational biology: An analysis of the scholarly literature in biology, computer science and computational biology." *PLoSComputBiol* 13 (2017): e1005134.
- Cardelli, Luca, Rosa D Hernansaiz-Ballesteros, Neil Dalchau, and Attila Csikász-Nagy. "Efficient switches in biology and computer science." *PLoSComputBiol* 13 (2017): e1005100.
- Corolli, Luca, Carlo Maj, Fabrizio Marini, and Daniela Besozzi, et al. "An excursion in reaction systems: From computer science to biology." *TheorComp Sci* 454 (2012): 95-108.
- Cuthill, Innes C, and Tom S Troscianko. "Animal camouflage: biology meets psychology, computer science and art." *Colour Art, Design and Nature* (2011): 5-24.

- Holt, William V, James M Cummins, and CarlesSoler. "Computer-assisted sperm analysis and reproductive science; a gift for understanding gamete biology from multidisciplinary perspectives." *Reprod, Ferti and Develop* 30 (2018).
- Huneman, Philippe. "Computer science meets evolutionary biology: Pure possible processes and the issue of gradualism." *In SpeSci Unity Sci*, (2012) pp: 137-162.
- King, Andrew J, Arielle M Fisher, Michael J Becich, and David N Boone. "Computer science, biology and biomedical informatics academy: outcomes from 5 years of immersing high-school students into informatics research." J Pathol Inform 8 (2017).
- Linshiz, Gregory, Alex Goldberg, Tania Konry, and Nathan J Hillson. "The fusion of biology, computer science, and engineering: towards efficient and successful synthetic biology." *PerspBiol Med* 55 (2012): 503-520.
- Melham, Tom. "Modelling, abstraction, and computation in systems biology: A view from computer science." *ProgBiophysMolBiol* 111 (2013): 129-136.
- 10. Mertz, Leslie. "Creating Accurate Models of Life: merging biology and computer science." *IEEE Pulse* 4 (2013): 16-25.
- 11. Priami, Corrado. "Algorithmic Systems Biology: Computer Science propels Systems Biology." (2010).
- 12. Ritz, Anna. "Programming the Central Dogma: An Integrated Unit on Computer Science and Molecular Biology Concepts." *In Proceedings of the* 49th ACM Tech Symposium on Comp Sci Edu, (2018) pp: 239-244.
- Salisbury, Joseph P, Steven W Morgan, and John C Williams. "Drug design as a video game: A summer program integrating chemical biology and computer science." *In 2011 Integrated STEM Education Conference (ISEC)*, (2011) pp: 8B-1. IEEE.
- 14. Savage, Neil. "Computer logic meets cell biology: hi? ow cell science is getting an upgrade." *Nature* 564 (2018): S1-S1.
- Smolinski, Tomasz G. "Computer literacy for life sciences: helping the digitalera biology undergraduates face today's research." *CBE-Life Sci Edu* 9 (2010): 357-363.

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