

# Preface

This volume contains a selection of the best contributions delivered at the International Conference on Computational Intelligence: Health and Disease (CIHD 2014) held at Visakhapatnam, India during December 27–28, 2014. This conference is organized by Institute of Bioinformatics and Computational Biology (IBCB), Visakhapatnam, India jointly with Andhra University and JNTU Kakinada.

The IBCB is a research organization established in Visakhapatnam, India. It is a community of scholars devoted to the understanding of mysteries that remain in the catalogue of human genes through intellectual inquiry. The Institute encourages and supports curiosity-driven research in the fields of Bioinformatics and Computational Biology. The institute nurtures speculative thinking that produces advances in knowledge that change the way we understand the world. It provides for the mentoring of scholars, and ensures the freedom to undertake research that will make significant contributions in any of the broad range of fields in Bioinformatics and Computational Biology.

CIHD 2014 is aimed to bring together computer professionals, doctors, academicians, and researchers to share their experience and expertise in Computational Intelligence. The goal of the conference is to provide computer science professionals, engineers, medical doctors, bioinformatics researchers, and other interdisciplinary researchers a common platform to explore research opportunities.

A rigorous peer-review selection process was applied to ultimately select the papers included in the program of the conference. This volume collects the best contributions presented at the conference.

The success of this conference is to be credited to the contribution of many people. In the first place, we would like to thank Prof. Allam Appa Rao, Director, C.R. Rao AIMSCS, who motivated and guided us in making this conference a grand success. Our sincere thanks to Dr. Amit Kumar, Editor for Springer Briefs in Applied Sciences and Technology, who helped us in bringing this series. Moreover, special thanks are due to the Program Committee members and reviewers for their commitment to the task of providing high-quality reviews. We thank Prof. B.M. Hegde (Padma Bhushan Awardee, Cardiologist and Former Vice Chancellor, Manipal University) who delivered the keynote address. Last but not least, we would thank the speakers Grady

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