

HIBIT PROCEEDINGS



15th International Symposium on Health Informatics and Bioinformatics

METU Erdemli Campus, Mersin, TURKEY
October 20-21, 2022 , Main Conference
October 22, 2022 , ISCB-SC RSG Turkey

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15th International Symposium on Health Informatics and Bioinformatics

HIBIT'22

20-22 October 2022

Erdemli, Mersin, TÜRKİYE

<http://hibit2022.ims.metu.edu.tr>

ABOUT HIBIT

The International Symposium on Health Informatics and Bioinformatics (HIBIT), first held in 2005, aims to bring together academics, researchers, and practitioners who work in these popular and fulfilling areas and create the much-needed synergy among the medical, biological, and information technology sectors.

The HIBIT Conference Series is an international conference that brings together those working in health informatics, bioinformatics and information technology, academics, and researchers and ultimately creates the most needed synergy between the academics, health, and information technology sectors. HIBIT provides a forum for discussion, exploration, and development of theoretical and practical aspects of health informatics and bioinformatics and a chance to network between students, academia, and other stakeholders.

In the rapidly developing field of bioinformatics and health informatics, the interest of undergraduate and master level, and doctoral students, is increasing. The ISCB-RSG-TR (ISCB Turkey Student Community) Satellite Sessions have been organized within the scope of HIBIT since 2012. So, HIBIT nurtures a network environment for researchers, faculty, and graduate students working in the field with an opportunity to follow the innovations and latest research in the field and to meet directly with academicians and experts from the sector, increasing their cooperation and communication.

The HIBIT Conferences continue supporting the students, researchers, and academics in Health Informatics and Bioinformatics by providing an additional platform to present and disseminate their research that will further facilitate the discussions, exploration, and development of theoretical and practical aspects of health informatics and bioinformatics.

Foreword

In the last 20 years, parallel to the developments in the world, we have witnessed rapid advancement in the fields of Health informatics and Bioinformatics in Turkey. Along with an increasing number of researchers funded in these fields, there are now many graduate programs offering degrees, and hundreds of students training at all levels. During the same period, the International Symposium on Health Informatics and Bioinformatics (HIBIT) has become Türkiye's leading organization in bioinformatics and health informatics.

The HIBIT'22, the 15th conference series, is organized by the METU Institute of Informatics and Marine Sciences, receiving over 125 submissions. In the final program, four conference papers, 12 selected talks, and five ISCB-RSG-TR talks were presented between 20-22 October 2022 at Lamos Hotel, Erdemli, TÜRKİYE. Overall, 200 participants attended the face-to-face sessions, which was a record high for HIBIT Conference Series. An EMBO-supported workshop on "Structural Bioinformatics" and the ISCB-RSG-TR's ONLINE satellite sessions also received significant attention from the HIBIT participants. HIBIT Awards in memory of Neşe Yalabık are given to five top poster presentations based on jury reviews and popular votes.

Two distinguished keynote speakers, Dr. Igor Jouline, OSU/USA, and Dr. Ludmil Alexandrov, UCSC/USA, meet with the HIBIT audience. Also, three invited speakers presented the following talks: Dr. Yesid Cuesta Astroz, "*Multi-omics data integration and network-based analysis in the understanding of host-pathogen interactions*"; Dr. Süreyya Özcan, "*Dancing in the dark: Discovering the boundaries*"; Dr. Simon Blanchoud, "*Investigating the basis of chordate whole-body regeneration by comparative de novo genome assembly*." We appreciate our speakers and all presenters and are thankful for the efforts and time of the committee members and volunteers. Also grateful to our main sponsor QIAGEN and award sponsor Eren Bilgi Sistemleri for their support.

The 2022 series of the HIBIT Proceedings offer a collection of selected peer-reviewed conference papers, and an extended abstract of selected talks and posters that were presented at the 15th International Symposium of Health Informatics and Bioinformatics (HIBIT'22) held at the Erdemli, Mersin, organized by METU Informatics and Marine Sciences Institutes. For the first time, the HIBIT proceedings will be available through "open.metu.edu.tr," which we hope will increase the accessibility and visibility of the conference and its proceedings.

Sincerely,

Assoc. Prof. Dr. Yeşim AYDIN SON

Conference Details

Name

15th International Symposium on Health Informatics and Bioinformatics

Short Name

HIBIT'22

Venue

Lamos Otel,
Erdemli, Mersin, TÜRKİYE

Website

<http://hibit2022.ims.metu.edu.tr>

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and

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