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# 18th International Symposium on Bioinformatics Research and Applications (ISBRA)

University of Haifa, Haifa, Israel

November 14 - 17, 2022

<https://mangul-lab-usc.github.io/ISBRA>

## SCOPE

The International Symposium on Bioinformatics Research and Applications (ISBRA) provides a forum for the exchange of ideas and results among researchers, developers, and practitioners working on all aspects of bioinformatics and computational biology and their applications. Submissions presenting original research are solicited in all areas of bioinformatics and computational biology, including the development of experimental or commercial systems. Topics of interest include but are not limited to:

Biomarker discovery	High-performance bio-computing
Biomedical databases and data integration	Metagenomics
Biomedical text mining and ontologies	Molecular evolution
Biomolecular imaging	Molecular modeling and simulation
Comparative genomics	Next-generation sequencing data analysis
Computational genetic epidemiology	Pattern discovery and classification
Computational proteomics	Software tools and applications
Data mining and visualization	Structural biology
Gene expression analysis	Systems biology
Genome analysis	AI and machine learning methods in biology and medicine
Population genetics	Big data analytics in biology and medicine

## PAPER SUBMISSION

Please submit extended abstracts (up to 12 pages in Springer LNCS format) via the online submission system (<https://easychair.org/conferences/?conf=isbra2022>). Submission implies willingness of at least one author to register and present at the symposium. The authors should choose one of the following tracks:

Track 1: Submit up to 12 pages in LNCS format for (i) oral presentation at the conference and publication of the extended abstract in the Springer LNBI proceedings and (ii) invitation to submit a 30-50%-extended version to ISBRA'22 special issues of IEEE/ACM Transactions on Computational Biology and Bioinformatics, Journal of Computational Biology, Tsinghua Science and Technology or FGCS (Pending Approval).

Track 2: Submit up to 12 pages in LNCS format for (i) oral presentation at the conference and (ii) invitation to submit a full-length paper to ISBRA'22 special issues of BMC Bioinformatics, BMC Genomics or Neurocomputing (Pending Approval).

## IMPORTANT DATES

Submission Deadline:	July 25, 2022	<b>(Extended)</b> August 08, 2022 (11:59 pm, any time zone)
Notification:	August 25, 2022	September 06, 2022
Final Version Due:	September 7, 2022	September 14, 2022

**Travel Awards:** A limited number of NSF-sponsored travel awards are available for US based students and postdocs.