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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:

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|---|---|
| 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 |

SUBMISSION (Tracks 3-6)

ISBRA 2022 invites submissions to the following tracks 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. Note that submission to Tracks 1 and 2 is now closed.

Short abstracts (Track 3): Submit short abstracts (between 8 and 10 pages in LNCS format) describing original unpublished research for oral presentation at the conference and publication in the Springer LNBI proceedings. These submissions will be peer reviewed.

Late-Breakthrough (Track 4): Submit an abstract of up to 300 words describing unpublished research currently under review (by a journal or conference) for oral presentation at the conference.

Highlight abstracts (Track 5): Submit an abstract of up to 300 words for manuscripts published after September 1, 2021, or manuscripts that are "in press" at the time of submission and available from the journal website, for oral presentation at the conference.

Posters (Track 6): Submit a poster abstract of up to 300 words for the poster session.

IMPORTANT SUBMISSION DEADLINES

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|--------------------------------|-------------------|--|
| Short abstracts (Track 3): | September 7, 2022 | <i>For all tracks, authors will be notified within ~1 week of the submission deadline.</i> |
| Late-Breakthrough (Track 4): | September 7, 2022 | |
| Highlight abstracts (Track 5): | September 7, 2022 | |
| Posters (Track 6): | September 7, 2022 | |

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