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Special Issues:



21st International Symposium on Bioinformatics Research and Applications (ISBRA)

University of Helsinki, Helsinki, Finland

August 3 - 5, 2025

<https://www.helsinki.fi/en/conferences/isbra2025>

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 | Pattern discovery and classification |
| Computational genetic epidemiology | Software tools and applications |
| Computational proteomics | Structural biology and drug discovery |
| Genome analysis | Systems biology |
| Bioinformatics education and public engagement | AI and machine learning methods in Bioinformatics and Medical Information |
| | 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=isbra2025>). 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) publication of the extended abstract in the Springer LNBI Proceedings and (ii) invitation to submit a 30%-50%-extend version to ISBRA'24 special issues. The pending approval journals are IEEE/ACM Transactions on Computational Biology and Bioinformatics, Journal of Computer Science and Technology, Tsinghua Science and Technology, Chinese Journal of Electronics, Big Data Mining and Analytics or IEEE Journal of Biomedical and Health Informatics.

Track 2: Submit up to 12 pages in LNCS format for (i) presentation at the conference and (ii) invitation to submit a full-length paper to ISBRA'25 special issues. The pending approval journals are Journal of Computational Biology, Methods, Interdisciplinary Sciences-Computational Life Sciences, Quantitative Biology, BMC Bioinformatics or BMC Genomics.

IMPORTANT DATES

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| Submission Deadline: | March 25, 2025 |
| Notification: | May 1, 2025 |
| Final Version Due: | May 12, 2025 |
| Conference Date: | August 3-5, 2025 |