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# 17th International Symposium on Bioinformatics Research and Applications (ISBRA)

Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Shenzhen, China

November 26 - 28, 2021

<http://alan.cs.gsu.edu/isbra21>

## 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 Bioinformatics and Medical Information |
| 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=isbra2021>). 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%-extended version to ISBRA'21 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) publication of an abridged two-page abstract in the Springer LNBI proceedings and (ii) invitation to submit a full-length paper to ISBRA'21 special issues of BMC Bioinformatics, BMC Genomics or Neurocomputing (Pending Approval).

## IMPORTANT DATES

|                      |  |
|----------------------|--|
| Submission Deadline: | <del>July 20, 2021</del> <b>extended August 5, 2021</b>      |
| Notification:        | <del>August 13, 2021</del> <b>extended August 25, 2021</b>   |
| Final Version Due:   | <del>August 20, 2021</del> <b>extended September 5, 2021</b> |

## SHORT ABSTRACTS KEY DATES

|                      |   |
|----------------------|---|
| Submission Deadline: | <del>August 20, 2021</del> <b>extended August 25, 2021</b>      |
| Notification:        | <del>September 3, 2021</del> <b>extended September 2, 2021</b>  |
| Final Version Due:   | <del>September 10, 2021</del> <b>extended September 5, 2021</b> |