



## CALL FOR PAPERS

### **1<sup>st</sup> International Applied Bioinformatics Conference (iABC'21)**

[www.iabconference.com](http://www.iabconference.com)

**ONLINE and FREE**

June 23-26, 2021

#### **SCOPE**

The 1<sup>st</sup> *international Applied Bioinformatics Conference* (iABC'21) will serve as an excellent international convention for sharing knowledge, challenges and results in applied research in Bioinformatics and Informatics. The conference especially welcomes work centered on the application of Bioinformatics concepts and algorithms for biological knowledge generation and welcomes topics relating to challenges of biological applications and use cases which are still not solved properly in order to open new directions for further informatics research. iABC'21 also invites papers relating to cutting edge information technology applied on biological use cases, Bioinformatics tools/workflows, best practices, calls for novel algorithms, translation of novel algorithms, and workshops/hands-on tutorials of novel Bioinformatics tools and workflows.

#### **TOPICS**

Topics of interest include, but are not limited to:

- eHealth, Diagnostics and Clinical Applications
  - Biomedical Data Mining
  - Biomedical Computing
  - Biomedical Intelligence
  - Biomedical Signal and Image Analysis
  - Biomedical Text Mining and Ontologies

- Biomedical Knowledge Visualization
- Clinical Data Analysis
- Clinical Decision Support and Informatics
- Electronic Health Record
- Healthcare Information Systems
- Health Data Acquisition, Analysis and Mining
- Healthcare Knowledge Representation and Reasoning
- Medical Informatics
- Medical Robotics
- Applied Bioinformatics
  - Workflow Management / Bioinformatics Analysis Pipelines
  - Bioinformatics Algorithms
  - Biological Databases
  - Biological Sensors
  - Computational Modeling and Data Integration
  - Functional Genomics and Proteomics
  - Gene Expression Array Analysis
  - Genome-Phenome Analysis
  - Machine Learning for Biomedical Data Analysis
  - Metabolic Pathway Analysis
  - Modelling of Molecular, Cellular, and Organ Pathways
  - Nano-Bio-Computing
  - Nano-Medicine
  - Neuro-Engineering
  - Pattern Recognition and Soft Computing Techniques
  - Systems Biology
  - Tissue Engineering
  - Translational Bioinformatics
- Biological Challenges
  - Challenging Biological Use Cases
  - Hands On Discussion
  - Biomarker Discovery
  - Cell Engineering
  - Drug Discovery
  - Mass Spectrometry
  - DNA Sequencing
  - Biological Knowledge Visualization
  - Biological Data Transfer

## PAPER SUBMISSION DETAILS

Authors are invited to submit electronically original contributions in English. Submitted papers should not exceed 5 pages in pdf in IEEE format <<https://www.ieee.org/conferences/publishing/templates.html>>, they will be evaluated by at least three referees from iABC'21 Scientific Board.

One of the authors of an accepted paper must register to iABC'21 conference and present the paper. For paper registration and electronic submission see <<https://easychair.org/conferences/?conf=iabc21>> starting from October 2020.

## ACCEPTED PAPERS

Extended versions, 12-15 pages, of selected accepted conference papers will be invited for submission to a special issue in *Journal of Integrative Bioinformatics* (JIB) <<https://www.degruyter.com/view/j/jib>> or in *International Journal of Bioinformatics Research and Applications* (IJBRA) <<https://www.inderscience.com/index.php>>.

## IMPORTANT DATES

Submission of abstracts: April 01, 2021

Submission of full papers: April 15, 2021

Notification of acceptance: April 30, 2021

Camera-ready copies: May 15, 2021

Conference: June 23-26, 2021

## REGISTRATION FEES: NO FEES, FREE

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