



CALL FOR PAPERS

1st International Applied Bioinformatics Conference (iABC'20)

www.iabconference.com

Istanbul University

<https://unibasin.istanbul.edu.tr/tr/iletisim>

Istanbul, Turkey

October 1 - 3, 2020

SCOPE

The 1st *international Applied Bioinformatics Conference* (iABC'20) 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'20 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'20 Scientific Board.

One of the authors of an accepted paper must register to iABC'20 conference and present the paper. For paper registration and electronic submission see <https://easychair.org/conferences/?conf=iabc20> starting from October 2019.

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: May 01, 2020
 Submission of full papers: May 08, 2020
 Notification of acceptance: June 22, 2020
 Camera-ready copies due: July 01, 2020
 Early registration: July 01, 2020

REGISTRATION FEES

Registration fees are as follows:

	Turkish	Europe	America	Africa	Asia
Academic	€150	€400	€400	€200	€200
Non-academic	€250	€650	€650	€350	€350
Student	€75	€200	€200	€100	€100

These fees include no accommodation or any other services.

GENERAL CHAIRPERSON

Jens Allmer, University of Applied Sciences, Mülheim an der Ruhr, Germany
 Mourad Elloumi, LaTICE, University of Tunis, Tunisia

STEERING COMMITTEE

Jens Allmer, University of Applied Sciences, Mülheim an der Ruhr, Germany
David Broneske, University of Magdeburg, Magdeburg, Germany
Mourad Elloumi, LaTICE, University of Tunis, Tunisia
Robert Heyer, University of Magdeburg, Magdeburg, Germany
Giuseppe Lancia, University of Udine, Italy
Hasan Oğul, Østfold University College, Halden, Norway
Davide Verzotto, Institute for Informatics and Telematics, CNR, and University of Pisa, Italy
Malik Yousef, Zefat Academic College, Zefat, Israel
Roman Zoun, University of Magdeburg, Magdeburg, Germany

ORGANIZING COMMITTEE

Jens Allmer, University of Applied Sciences, Mülheim an der Ruhr, Germany
Emine Şeküre Nazli Arda, Istanbul University, Turkey
David Broneske, University of Magdeburg, Magdeburg, Germany
Mourad Elloumi, LaTICE, University of Tunis, Tunisia
Robert Heyer, University of Magdeburg, Magdeburg, Germany
Giuseppe Lancia, University of Udine, Italy
Hasan Oğul, Østfold University College, Halden, Norway
Davide Verzotto, Institute for Informatics and Telematics, CNR, and University of Pisa, Italy
Malik Yousef, Zefat Academic College, Zefat, Israel
Roman Zoun, University of Magdeburg, Magdeburg, Germany

PROGRAM COMMITTEE

Loai AbdAllah, Yezreel Valley Academic College, Israel
Lefteris Angelis, Aristotle University of Thessaloniki, Greece
Chandra Sekhar Rao Annavarapu, India Institute of Technology, Dhanbad, India
Andres Aravena, Istanbul University, Istanbul, Turkey
Ercan Arican, Istanbul University, Istanbul, Turkey
Emine Şeküre Nazli Arda, Istanbul University, Turkey
Ikbal Agah Ince, Acibadem University, Istanbul, Turkey
Jens Allmer, University of Applied Sciences, Mülheim an der Ruhr, Germany
Haider Banka, India Institute of Technology, Dhanbad, India
Ömür Baysal, Mugla Sitki Kocman University, Mugla, Turkey
Mounir Ben Ayed, University of Sfax, Tunisia
Balkiss Bouhaouala-Zahar, University of Tunis-El Manar, Tunisia
David Broneske, University of Magdeburg, Magdeburg, Germany
Supaporn Chairungsee, Walailak University, Nakhonsithammarat, Thailand
Bhaskar DasGupta, University of Illinois at Chicago, Chicago, USA
Mourad Elloumi, LaTICE, University of Tunis, Tunisia
Çigdem Erol, Istanbul University, Istanbul, Turkey

Gilda Eslami, Shahid Sadoughi University of Medical Sciences, Yazd, Iran
Roberto Grossi, University of Pisa, Italy
Sevinç Gulsecen, Istanbul University, Istanbul, Turkey
Robert Harrison, Georgia State University, Atlanta, Georgia, USA
Robert Heyer, University of Magdeburg, Magdeburg, Germany
Sibel Uğur İşeri, Istanbul University, Istanbul, Turkey
Daisuke Kihara, Purdue University, West Lafayette, USA
Rachel Kolodny, University of Haifa, Israel
Giuseppe Lancia, University of Udine, Italy
Thierry Lecroq, University of Rouen, France
Giosuè Lo Bosco, University of Palermo, Italy
Abdelouahid Lyhyaoui, Abdelmalek Essaadi University, Tangier, Morocco
Vladimir Makarek, University of Québec, Montréal, Canada
Christos Makris, University of Patras, Greece
Amal Maurady, Abdelmalek Essaadi University, Tangier, Morocco
Hasan Oğul, Østfold, University College, Halden, Norway
Nehir Ozdemir Ozgenturk, Yildiz Technical University, Istanbul, Turkey
Arup Kumar Pal, India Institute of Technology, Dhanbad, India
Marco Pellegrini, Institute for Informatics and Telematics, CNR, Italy
Pierre Peterlongo, INRIA/Irisa, Rennes, France, France
Pinar Pir, Gebze Technical University, Gebze, Turkey
Solon Pissis, Centrum Wiskunde & Informatica, Amsterdam, Netherlands
Nadia Pisanti, University of Pisa, Italy
Alberto Policriti, University of Udine, Italy
Ahmed Rebai, Centre of Biotechnology of Sfax, Sfax, Tunisia
Blagoj Ristevsk, Bitola University, Macedonia
Hatem Saleh, Egyptian Organization for Biological Products and Vaccines, Cairo, Egypt
Rodrigo Santamaria, University of Salamanca, Spain
Mohammad Sohel Rahman, Bangladesh University of Engi. and Tech., Dhaka, Bangladesh
Marinella Sciortino, University of Palermo, Palermo, Italy
Haïtham Sghaier, National Center for Nuclear Sciences and Technology, Tunis, Tunisia
Oussama Souiai, Pasteur Institute of Tunis, Tunisia
Terje Marken Steinum, Istanbul University, Istanbul, Turkey
Bahar Taneri, Eastern Mediterranean University, Famagusta, North Cyprus
Cemal Ün, Ege University, Izmir, Turkey
Ekrem Varoğlu, Eastern Mediterranean University, Famagusta, North Cyprus
Davide Verzotto, Institute for Informatics and Telematics, CNR, and University of Pisa, Italy
Emanuel Weitschek, Uninettuno University, Rome, Italy
Paul Yoo, University of London, UK
Malik Yousef, Zefat Academic College, Zefat, Israel

Roman Zoun, University of Magdeburg, Magdeburg, Germany

Farhana Zulkernine, School of Computing Queen's University Kingston, Ontario, Canada

(To be completed)

...
