

Call for Contributions

Inform the Chair: with the Title of your Contribution

Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=BIOTECHNO+2017+Special>

Please select Track Preference as **CMPM**

Special track

CMPM: Computational Methods for Precision Medicine

Chair and Coordinator:

Prof. Dr. Jaime Seguel, University of Puerto Rico at Mayaguez, Puerto Rico seguel.jaime@gmail.com

along with

BIOTECHNO 2017, May 21 - 25, 2017 - Barcelona, Spain

The Ninth International Conference on Bioinformatics, Biocomputational Systems and Biotechnologies

<http://www.aria.org/conferences2017/BIOTECHNO17.html>

Low-cost high-throughput technologies generate large amounts of genetic data whose processing promises making personal genome analysis a routine practice. Advances in data communication and organization reinforce this promise. Key to leveraging genomic data and communication technologies for the precise diagnosis and effective treatment of disease is the development of a new generation of biological models and algorithms. The diagnosis and treatment of genetically determined conditions demand levels of accuracy and sensitivity that existing bioinformatics algorithms often lack. Comprehensive models capable of capturing the complexity of the human genome are also required for a precise diagnosis and effective treatment of disease; and for predicting and eventually correcting genetically determined phenotypes.

This special track seeks submissions presenting novel research results in all aspects of the design of algorithms and the creation models for precision medicine. Papers should be related to the design, evaluation, or application of computational methods and models.

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~February 3~~ **April 13**
- Notification with comments for camera-ready: ~~March 3~~ **April 20**
- Registration: ~~March 18~~ **April 29**
- Camera ready: ~~April 9~~ **April 29**

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.aria.org]
- Presentations: slide only [slide-deck posted on www.aria.org]
- Demos: two pages [posted on www.aria.org]

Paper Format

- See: <http://www.aria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.aria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaria.org/registration.html>

Contact

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