

CIBB2016: Computational Intelligence methods for Bioinformatics and Biostatistics

<http://www.cs.stir.ac.uk/events/cibb2016/>

The main goal of the 13th edition of the CIBB international conference was to provide a multi-disciplinary forum open to researchers interested in the application of computational intelligence, in a broad sense, to open problems in bioinformatics, biostatistics, systems and synthetic biology and medical informatics, and, looking at current trends and future opportunities, the application of computational intelligence to system and synthetic biology, and the consequent impact on innovative medicine.

The conference has been held at Stirling University over three days, from the 1st to the 3rd of September 2016. It has been attended by about 70 researchers from 12 countries over four continents (Algeria Belgium Finland Ireland Italy Japan Portugal Romania Serbia Switzerland UK USA). Proceedings of the conference will be published by Springer, an international publisher and major player in computer and life sciences academic publishing. Publication in an international journal for selected papers is under negotiation.

Six prominent scientists in their fields have been invited to give keynote talks on a wide range of hot topics:

Keynote Speakers

- **Prof. Mark Beaumont**
School of Biological Sciences, Bristol University
[Evolutionary Biology](#)
- **Prof. Natalio Krasnogor**
School of Computing Science, Newcastle University
[Computing Science and Synthetic Biology](#)
- **Prof. Antonietta Mira**
IDIDS, Università della Svizzera Italiana
[Data Science and Computational Statistics](#)
- **Prof. Bud Mishra**
Courant Institute of Mathematical Sciences and NYU School of Medicine,
New York University NYU,
and Mt Sinai School of Medicine
[Computer Science, Cell Biology and Genetics](#)
- **Dr. Daniela Paolotti**
Institute for Scientific Interchange, Turin.
[Network epidemiology](#)
- **Dr. Guido Sanguinetti**
School of Informatics, University of Edinburgh
[System design of stochastic models](#)

The conference featured six special sessions on advanced topics:

- Engineering Bio-interfaces and Rudimentary Cells as a way to develop Synthetic Biology
- Biocuration and integration of biomedical databases
- Modeling and simulation methods for Systems Biology and Systems Medicine
- High-Performance Computing and Deep learning methods for Genomic Data Analysis
- Statistical inference in mechanistic models of biological system
- Modeling Dependence In Survival Analysis: Methodological Issues

The conference enjoyed the generous support of a number of sponsors and supporting institutions, including SICSA, POEMS, IBS, Dondena, University of Stirling, International Neural Network Society, Stirling Council.

Particularly, thanks to the SICSA support which made possible to waive their registration fees, the following PhD students from SICSA institutions have been invited to attend the conference:

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General Chairs

[Andrea Bracciali](#), University of Stirling, UK

[David Gilbert](#), Brunel University London, UK

[Gilbert MacKenzie](#), UL, ENSAI and Keele, UK

On behalf of CIBB2016 I would like to take the opportunity to acknowledge the kind support provided by SICSA

Stirling, 8 9 2016

Andrea Bracciali
SICSA Lecturer.

