



Broadening the Bioinformatics Infrastructure to Unicellular, Animal, and Plant Science



After sequencing the human genome, the world spent a lot of time and money on developing the bioinformatics tools and infrastructure needed to harvest the wealth of information in those 23 chromosomes.

And as technological progress drives falling costs, sequencing (and other forms of large scale molecular assay) have become routine in all scientific fields. But the bioinformatics support for other use cases has been critically lacking compared with human genomics.

The AllBio project has coordinated efforts apply these technologies work to further fields such as microbial, plant, and livestock bioinformatics through a unique approach, based on harvesting bringing together communities to solve actual use cases and overcome common information bottlenecks.

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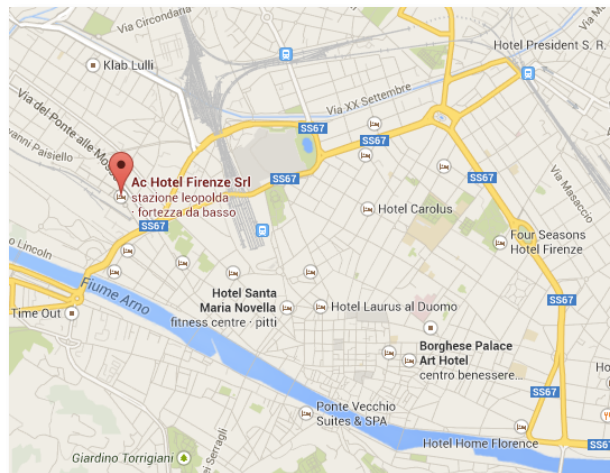
Congress Venue

This year the AllBio Congress will be held at the – beautiful – birthplace of the Renaissance, city of Florence in Italy.

The venue of the conference and the official hotel will be the AC Hotel Firenze in Florence



<http://www.marriott.com/hotels/travel/flrfi-ac-hotel-firenze>



Florence, Italy 11 - 13 June 2014



<http://allbioinformatics.eu/florence2014/>



Scientific Committee and AllBio Partners

- **Erik Bongcam-Rudloff** – SVERIGES LANTBRUKSUNIVERSITET, Sweden
- **Gert Vriend** – RADBOUD UNIVERSITY NIJMEGEN MEDICAL, CENTRE Netherlands
- **Grégoire Rossier** – SWISS INSTITUTE OF BIOINFORMATICS, Switzerland
- **Teresa Attwood** – THE UNIVERSITY OF MANCHESTER, United Kingdom
- **Andreas Gisel** – CONSIGLIO NAZIONALE DELLE RICERCHE, Italy
- **Eija Korpelainen** – CSC – IT CENTER FOR SCIENCE, Finland
- **Jacques van Helden** – UNIVERSITÉ LIBRE DE BRUXELLES, Belgium
- **Thomas Svensson** – KAROLINSKA INSTITUTET, Sweden
- **Bernd Müller-Röber** – and **Susanne Hollmann** UNIVERSITÄT POTSDAM, Germany
- **Babette Regierer** – LifeGlimmer GmbH BERLIN Germany
- **Paul Kersey** – EUROPEAN MOLECULAR BIOLOGY LABORATORY United Kingdom



Local Organization Committee

Angelica Tulipano,
Domenica D'Elia, Arianna Consiglio, Sabino Liuni,
Flavio Licciulli, Giorgio Grillo, Nicola Losito,
Andreas Gisel

Consiglio Nazionale
delle Ricerche
**Institute for
Biomedical
Technologies - Bari**



Invited Speakers

Ian Streeter, EBI Hinxton, UK

The NextGen Project to Maintain Farm Animal Biodiversity

Kisun Pokharel, MTT Agrifood, Jokionen, Finland

Genetics, Genomics and Evolution of prolific breeds of domestic sheep (Ovis aries)

Paul Kersey, EBI Hinxton, UK

Plant Genomics

Claudine Medique, GenoScope Évry, France

Bacterial Genomics

Remo Sanges, Anton Dohrn, Napoli, Italy

Octopus Transcriptome



AllBio Test Case Presentations

Test Case 2: **Identification of large structural variations**

- **Yael Maoz**, Weizmann Institute Rehovot, Israel
- **Wai Yi Leung**, Sequence Analysis Support Core Leiden, Netherland

Test Cases 9: **Pathway analysis of a poorly annotated but sequenced plant genome**

Test Cases 12: **Functional annotation of the potato genome**

- **Erik Alexanderson**, SLU Alnarp, Sweden
- **Oren Tzfadia**, Weizmann Institute Rehovot, Israel

Test Case 13: **Transcriptome and small RNA comparison of four phenotypically distinct cv "Primitivo" grapevine clones**

- **Flavio Licciulli**, CNR – ITB Bari, Italy

Read more about AllBio Test Cases:

http://www.allbioinformatics.eu/doku.php?id=public:test_cases

