

POLO D'INNOVAZIONE GENOMICA, GENETICA E BIOLOGIA SOCIETÀ CONSORTILE R.L.

# INTRODUCTORY COURSE ON BIOINFORMATICS

OCTOBER 20<sup>th</sup> - 24<sup>th</sup> 2014



Polo d'Innovazione di Genomica, Genetica e Biologia, in collaboration with the University of Perugia, is organizing a **week-long Bioinformatics course**, which will consist of both lectures and practical exercises (hands-on) and will feature **Italian and international scientists**.

The course is intended **for researchers/professionals** who aim to use Bioinformatics in their applications.

A total of **20 participants** will be accepted and preference will be given primarily to postgraduate students and, if places are still available, to young postdoctoral researchers.

The course will be held in **English**.

The following **topics** will be covered:

- Introduction to the use of IT tools and Bioinformatics
- DNA Sequence analysis and similarity searches
- Bio-databases [emphasis on genome databases, e.g. ENSEMBL]
- Ontologies (esp. the Gene Ontology/)
- Genome projects
- Next-generation Sequencing (NGS)
- Gene expression and RNA profiling [microarrays and RNA-seq]
- Structural Biology
- Population Genetics [use of polymorphisms]

**Applications** should be addressed to [info@pologgb.com](mailto:info@pologgb.com) and must be received by **October 6th, 2014**.

Accepted applicants will be notified by October 10th.

Applications should include a **short CV** and a **3 to 5 lines-long letter of motivation**.

The participant fee will be **€300 for students/researchers** and **€600 for professionals**.

Lunches and coffee breaks will be provided by the organization and are included in the fee.

[WWW.POLOGGB.COM](http://WWW.POLOGGB.COM)  
[INFO@POLOGGB.COM](mailto:INFO@POLOGGB.COM)



Regione Umbria



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