

Massimiliano Borsani

Project manager at SYSBIO/ISBE.IT(systems biology); ISBE-to-ERIC Liaison officer (ESFRI Research Infrastructure project)

massimiliano.borsani@gmail.com

Summary

Project Manager at SYSBIO, the Italian candidate node for ISBE (systems biology) Research Infrastructure (RI). Liaison officer of ISBE-to-ERIC, a bottom-up initiative to finalise ISBE development.

RIs provide tools and services to help scientists from all over the world to reach scientific excellence. These facilities, resources or services are usually too much expensive, or require a considerable technical expertise, to be bought from public research institutions, or companies (SMEs in particular).

Such strange beasts should be managed with a mix of business- and science-oriented skills, that EU is trying to spread (e.g. Rltrain initiative).

Experience

Liaison Officer

novembre 2017 - Present

Liaison officer of ISBE-to-ERIC, a bottom-up initiative to aggregate a core number of EU Nations and finalise the ISBE development.

ISBE - Infrastructure Systems Biology Europe - is an ESFRI (EU) project for the creation of a single panEuropean infrastructure. ISBE will (and is, thanks to ISBE light) provide services to the scientific communities (academia, industry) interested in math modelling for biology. Systems biology is based on an iterative process between laboratory experiments and mathematical modelling, using computers.

A deep, mathematical knowledge of biology will help to understand complex biology mechanisms, and to drive technology development in the bio fields (biotech and bioindustry).

Scientific Project Manager

ottobre 2012 - Present

Management of SYSBIO, a research centre with a ~70 people staff. Daily management of the working life of the Centre, and continuous interaction with all parties involved, such as the Ministry of Education, University and Research, UNIMIB rector, UNIMIB dept.s, CNR directors; validation of research groups goals; steering committee coordination (agenda, minutes, etc); organization and/or management of SYSBIO events and meetings; networking with other European research groups to identify the best founding solutions

(e.g. Horizon2020). Development of ISBE.IT project, to set up an Italian node of the EU systems biology Research Infrastructure, ISBE.

Bioinformatician (developer) at Università degli Studi di Milano-Bicocca

febbraio 2009 - settembre 2012 (3 anni 8 mesi)

Development of new computational approaches (implemented in MatLab) for the analysis of MALDI-TOF mass spectrometry data, with the purpose to identify biomarkers of Renal Cell Carcinoma.

Genomics database development; analysis of miRNA; NGS (Next Generation Sequencing).

Skills: programming in MatLab, PHP, and R; database development (RDBMS): MySQL.

Education

Università degli Studi di Milano

Doctor of Philosophy (PhD), Bioinformatics, 2010 - 2013

Università degli Studi di Milano

Master of Science (MSc), Functional Genomics and Bioinformatics, Genomica Funzionale e Bioinformatica, 2006 - 2008

Activities and Societies: Dissertation: "HuNTED – Human Normal and Tumor Expression Database"

Università degli Studi di Milano

Bachelor of Science (BSc), Biotechnology for Industry, Biotechnologie industriali e ambientali, 2003 - 2006

Activities and Societies: Disertation: "Bioinformatics analysis of promoters for gene expression prediction"

Liceo Scientifico

Diploma, Maxisperimentazione Brocca Scientifico, Maxisperimentazione Brocca Scientifico, 1998 - 2003

Activities and Societies: Music lab (3rd-4th-5th year), class spokesperson (1st, 4th, 5th years), Students president (5th year), international exchange (2nd, 3rd, 4th year)

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