

ABR: Advanced Seminars in Biomedical Research

Descriptive details concerning the subject:

- Name of the subject: Advanced Seminars on Biomedical Research
- Code : ABR
- Type of subject: Optional
- ECTS: 5
- Total hours: 125.0
- Scheduling: Complete week 16-20th February 2009
- Course: 1st course
- Time: 2nd trimester
- Coordination: Jordi Villà i Freixa
- Department: Ciències Experimentals i de la Salut
- Room: PRBB

Teaching staff:

Diverse (see <http://www.bsbmi.eu>)

Subject presentation:

The subject allows the master students to attend the first annual Barcelona School of Biomedical Informatics, that will take place at the Parc de Recerca Biomèdica de Barcelona (PRBB) from 16th-20th February, 2009. (<http://www.bsbmi.eu>). The school will be jointly hosted by the Parc de Recerca Biomèdica de Barcelona, and the Universitat Pompeu Fabra.

The BSBMI will provide a format for the presentation of some of the latest developments and tools in the field of bioinformatics, whilst allowing participants to gain direct experience of using such tools in hands-on sessions. The School is aimed at Graduate Students and Research Scientists working in the field of bioinformatics, and will bring together internationally recognised experts from both the public and private sectors.

BSBMI'09 will have a focus on the rapidly emerging field of Systems Biology, its computational aspects and its relationship with translational research in biomedicine. To reach such ambitious objectives, practical aspects developed within the EC-STREP projects BioBridge and QosCosGrid will be demonstrated. The school will consist of a series of Keynote and Plenary Lectures introducing new innovations in Systems Biology, followed by tutorials showcasing the range and scope of these tools. In the afternoons there will be three-hour dedicated hands-on sessions where participants will be able to explore in more detail the tools presented in the morning sessions following a small project that will span the entire week.

The hands-on sessions will consist of teamwork to solve assigned problems using the knowledge gained during the morning sessions, and the participants will be expected to present a brief summary of their methodology and findings in the appropriate sessions on the final day of the event. While each day will have a different central theme, it is anticipated that there will be synergistic overlap between these themes.

If you have any questions, or would like further information about BSBMI, please send an e-mail to bsbmi@imim.es.

Prerequisites in order to follow the itinerary:

This subject does not have any pre-requisite