

On the occasion of the **International year of Biodiversity**, the *Biodiversity Research Institute of the University of Barcelona* (IBio), the *Institute of Evolutionary Biology* (IBE, CSIC-UPF) and the *Zoological Systematics and Evolution research group* co-organize a two-day symposium under the title:

“FRONTIERS IN BIODIVERSITY: A PHYLOGENETIC PERSPECTIVE”

These are exciting times to conduct research on Biodiversity. The last years have witnessed the development of new theoretical, computational and technological tools for Biodiversity research at an unprecedented rate. The symposium aims to explore the impact of some of these new conceptual and methodological approaches on our current understanding of the origins and the processes that shape Biodiversity.

Research on Biodiversity has multiple facets. In this symposium we will emphasize the perspective and contributions coming from the phylogenetic and phylogeographic front. The symposium will focus on a selected list of “hot topics” under the headings of Statistical phylogenetics and phylogeography, Biogeography, Time, Key Innovations, Adaptive radiations, Diversification, Community phylogenetics and Phylogenomics.

The symposium will be held at Barcelona, Spain (in a venue to be decided) the 1st and 2nd of October 2010, It will consist in two morning sessions with invited talks (45' plus 15' of discussion) and an afternoon poster session open to participants. The symposium will close with a round table with the invited speakers on the topic “**Biodiversity in the omics era**”

The organizing committee has elaborated a list of potential speakers among the most active researchers in each of the topics identified above. At this point, we are trying to confirm their disposition and availability to participate. Once a provisional list of speakers is completed we will proceed with further aspects of the organization and will provide more detailed information.

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