

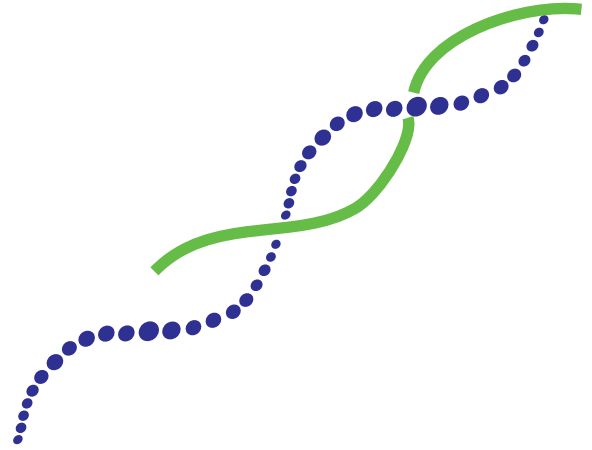
Genomics in Biodiversity

within the European Framework Project MARBIGEN

Friday, September 16th 2011

Venue:

Institute of Marine Biology and Genetics
Hellenic Centre for Marine Research, Heraklion Crete
SEMINAR CONFERENCE ROOM / 01:30pm -06:00pm



DNA sequencing and genotyping technologies are advancing very fast, with the development of novel methodologies and machinery and the utilization of new types of molecular markers (e.g. SNPs), giving insights into genomes rapidly, thus changing both the scale and the mode of genetic analysis. This offers a unique opportunity to get better insights into marine genetic biodiversity and to study adaptive genetic variation and developmental and molecular physiology mechanisms that allow organisms to adapt to new environments (e.g. climatic changes, invasions, new pathogens). This workshop will focus on the presentation of:

- a) new DNA sequencing and genotyping techniques**
- b) new bioinformatics tools for analyzing whole genomes, for molecular marker discovery, gene discovery and annotation and**
- c) new approaches for studying genetic biodiversity and adaptation.**

The workshop targets mainly PhD students and post-docs, but also researchers interested in high-throughput DNA analysis methods. Basic knowledge in informatics will be required. Through this workshop IMBG facilities will be promoted and possibly new collaborations will be established