

International School in Marine Biology



Evolution

Biotechnology

Diversity

Genetics

Genomics

Aquaculture

Estación Costera de Investigaciones Marinas, 17-27 January 2011
Las Cruces, Chile

The *Daniel Jouvance – UPMC – PUC International School in Marine Biology* is a summer school for postgraduate students of Latin America, aiming to summarize the latest advances in Marine Biology research.

This school results from long-term collaboration between France and Chile in Marine Biological Research. A team of French and Chilean lecturers, all consolidated researchers in their respective areas, will cover the different topics using algae as a model organisms.

Summary Program:

- Regional context: oceanography and biogeography of the S.E. Pacific marine diversity, its management and mariculture
- Macroalgae: Diversity and evolution, Complexity of life cycles
- Genetic diversity: its nature and uses for spatial, demographic and historical inferences
- Basic concepts and approaches in genomics and post-genomics
- Full genomes
- Physiological stresses and stress responses
- Molecular bases of innate immunity in benthic algae
- Compounds of interest: structure, uses, biosynthetic pathways and trends for innovation
- Microalgal biodiversity, what do we learn from genome sequences?
- Microalgae as cell factories, including for the production of biofuels: dream or reality?

Lecturers:

Francois-Yves Bouget
Catherine Boyen
Alejandro Buschmann
Jean-Pierre Callegari
Juan-Carlos Castilla
Mark Cock
Jonas Collen
Loreto Contreras
Bruno deReviers
Yves Desdevises
Christophe Destombe
Sylvain Faugeron
Miriam Fernandez
Marie-Laure Guillemin
Laure Guillou
Yuki Kashiyama
Bernard Kloareg
Catherine Leblanc
Philippe Potin
Ian Probert
Carlos Riquelme
Osvaldo Ulloa
Myriam Valero
Monica Vásquez

Organized by :



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