

Research Topics at CNR for Spring 2003 Science Term Abroad

- 1. Use of recombinant allergens in the diagnosis and therapy of *Parietaria judaica* pollen allergy (immunology – 1 student)**
- 2. Study on factors involved localization of maternal messenger RNAs and axis formation in *Paracentrotus lividus* egg and embryos (developmental biology – 2-3 students)**
- 3. Cell specification in the sea urchin embryo. Role of the homeobox containing genes *Otp* and *Hbox12* (developmental biology – 1 or 2 students)**
- 4. Molecular mechanisms involved in inflammatory response of mast cells induced by substance P. (immunology – 1 student)**
- 5. Molecular basis of hepatocellular carcinoma (oncology – 1 student)**
- 6. Selection of yeast strains from the Sicilian territory and their utilization in the wine industry (biochem- 1 student)**
- 7. Biomolecular self-assembly: gelation of polysaccharides (biophysics)**
- 8. Stabilizing effects of α -casein and TFE on BSA and other proteins: molecular chaperones (biophysics)**
- 9. Effects of metallic ions on β -amyloid fibril formation (biophysics)**
- 10. Micro- and nano-particles for drug delivery systems (biophysics)**
- 11. Computational studies of biological systems on a molecular scale (biophysics)**