



BMA 2010

MARINE AND ENVIRONMENTAL BIOCHEMISTRY

Annual meeting

San Benedetto del Tronto

Polo didattico - UNICRAM - viale A. Scipioni 6

May 20-21, 2010

Thursday May 20

14.00 Registration
15.00 Welcome and opening

15.15 CHAIR: **Giovanni Principato** (Ancona)

Adaptive reductions in the temperature dependence of haemoglobin-oxygen affinity in regionally heterothermic vertebrate animals
Roy E. Weber (Aarhus, Denmark)

Genetic diversity analysis of south-indian hatchery populations of giant freshwater prawn, *Macrobrachium rosenbergii* (De Man, 1879)
Subramanian Dharaneedharan (Tiruchirappalli, India)

Identification of *Diplodus Sargus aquaporin 1*: phylogenesis and gene expression in the gills under different salinity farming
Letizia Lombardo (Messina)

The effect of water temperature on plasma serotonin levels in *Dicentrarchus labrax*
Giuseppe Bruschetta (Messina)

Coffee break

Quantitative detection of diatoms by oligonucleotide probes
Roberto Spurio (Camerino)

Biological effects of biotoxin-like compounds from *Ostreopsis ovata*: a multibiomarkers approach with the mussels *Mytilus galloprovincialis*
Stefania Gorbi (Ancona)

Endocannabinoid receptor 1a and proopiomelanocortin mRNA expression in modulating probiotic treatment responses in larval development of *Solea solea*
Gilberto Mosconi (Camerino)

18.00/19.00 Poster viewing

20.00 Dinner

Friday May 21

9.00/11.00 CHAIR: **Alida Ferlazzo** (Messina)

Alteration of lysosomal functionality and cell signaling in mussels, *Mytilus galloprovincialis*, exposed to pharmaceuticals
Elena Fabbri (Bologna)

Furan fatty acids in anatomical parts of european hake, european anchovy and european pilchard
Deborah Pacetti (Ancona)

Different expression of AQP5 in sheep salivary glands related to forage water content during two vegetative cycles
Paola Scocco (Camerino)

Chironomus riparius as a model for developing new biochemical biomarkers and insecticides
Paolo Parenti (Milano)

Turquoise Killifish (*Nothobranchius furzeri*, jubb 1971): a new animal model for aging and tumorigenesis research
Emiliano Di Cicco (Camerino)

Coffee break

11.30 CHAIR: **Elena Fabbri** (Bologna)

Mercury contamination in marine ecosystem and its impact on public health - current perspectives
Venugopal Ramalingam (Puducherry, India)

Dibutyltin (DBT) is a powerful inhibitor of the digestive gland mitochondrial Mg-ATPase in *Mytilus galloprovincialis*
Salvatore Nesci (Bologna)

Nanotoxicity in trout erythrocyte in response to 'in vitro' TiO₂ nanoparticles exposure
Durairaj Sekar (Camerino)

Trace metals (Zn, Cu, Cd) in tissues of wild animals from Emilia-Romagna region. The elusive function of metallothioneins
Emilio Carpenè (Bologna)

13.30 End of the meeting