

Riunione dei “Gruppi Biologia Cellulare e Molecolare” e “Biotecnologie e Differenziamento”

10/06/2015

14:00 Saluto del Magnifico Rettore - Apertura dei lavori

Food

Moderatore: Antonella Canini

14:15 – 14:40 **Valeria Todeschini** - Effects of AMF and PGPR co-inoculation on strawberry fruit quality.

14:40 – 15:05 **Lucilla Scarnato** - Biotechnological Treatment for the Bakery to Increase Dough Structure, Shelf-life and Sensory Properties.

15:05 – 15:30 **Annalisa Tassoni** - Recovery of bioactive peptides from industrial rice by-products by means of enzymatic processes: The BIORICE FP7-Capacities Project

15:30 -15:55 **Maura Ferri** - Comparison of wild food plants traditionally consumed in the area of Bologna and in Agri valley (PZ).

15:55 – 16:20 **Mauro Commisso** - Potentially neuroactive amines in kiwifruits.

16:20 – 16:45 **Stefania Impei** - Genetic, metabolic and biological profile of autochthonous *Vitis vinifera* L. ecotypes.

16:45 – 17:00 coffee break

Environment and Human

Moderatore: Luigi Sanità di Toppi

17:00 – 17:25 **Federica Marano** - Microscopy methods to study biodeteriorating biofilms on fossil elephant bones from Pleistocenic site of ‘La Polledrara di Cecanibbio’ (Rome, Italy).

17:25 – 17:50 **Costanza Baldisserotto** - Morpho-physiological aspects, biomass and lipid production in mixotrophic *Neochloris oleoabundans*: relations between photosynthesis and lipid production.

17:50 – 18:15 **Alessandra Ghiani** - Intra and inter populations variability of ragweed Amb a 1 isoforms and their allergenicity.

18:15 – 18:40 **Maietta Francesca** - Growth and lipid production in culture by an isolate of *Cylindrotheca closterium* (Ehrenberg) Reimann & J.C. Lewin (Bacillariophyta).

18:40 – 19:00 **Roberto Braglia** - Constructed wetland for water quality improvement: a case study from Botanic Gardens of Tor Vergata University.

11/06/2015

Plant growth and Development

Moderatori: Simonetta Pancaldi/Gian Pietro Di Sansebastiano

9:00 – 9:25 **Francesco Guarino** - Biodiversity of natural populations of *Arundo* and *Phragmites*: genetic and epigenetic aspects.

9:25 – 9:50 **Angela Veloccia** - Ethylene and auxin interaction in adventitious rooting in *Arabidopsis thaliana*.

9:50 – 10:15 **Leonardo Bruno** - Impact of DNA methylation on plant growth and development: a study on a methylation-defective mutant of *A. thaliana*.

10:15 – 10:40 **Fabio Fornara** - Transcriptional profiling of the shoot apical meristem of rice during transition to reproductive growth.

10:40 – 11:10 Coffee break

11:10 – 11:35 **Federica Della Rovere** - Auxin controls quiescent centre formation in the adventitious root apex of *Arabidopsis*, and the switching between adventitious rooting and xylogenesis.

11:35 – 12:00 **Lorenzo Ferroni** - A population of light-harvesting complex II is an antenna for Photosystem I in high-light grown *Selaginella martensii*.

12:00 – 12:25 **Monica De Caroli** - Evidence on a controlled export of a cell wall protein.

12:25 – 12:50 **Lorella Navazio** - Monitoring stimulus-specific intraplastidial Ca^{2+} signals in *Arabidopsis thaliana*.

13:00 – 14:30 Lunch

14:30 – 14:55 **Valentina Ferri** - Development of the kernel and protein storage in wheat (*Triticum aestivum* L.).

14:55 – 15:20 **Vittoria Brambilla** - Photoperiodic flowering in rice.

15:20 – 15:45 **Matteo Ronchini** - Sub- or neo- functionalization following gene duplication: inference from gene evolution analysis.

15:45 – 16:15 Coffee break

Fitopatologia:

Moderatori: Lorella Navazio/Stefano Castiglione

16:15 – 16:40 **Alessandra Tondello** - Analyzing the persistence of grapevine colonization by GFP-tagged bacterial strains.

16:40 – 17:05 **Alessio Valletta** - Poly (lactic-co-glycolic) acid nanoparticles uptake by *Vitis vinifera* and grapevine-pathogenic fungi.

17:05 – 17:30 **Sara Cimini** - The toxin ophiobolin A leads to an arrest of the cell cycle and alters the intracellular partitioning of glutathione.

17:30 – 17:55 **Giulia De Angelis** - Bioactive xanthenes from roots, hairy roots and cell suspension cultures of some *Hypericum* species and antifungal activity against *Candida albicans*.

17:55 – 18:20 **Martina Cerri** - Ecological aspects of the infections of *Claviceps purpurea* on *Phragmites australis* in Colfiorito's marsh.

18:20 – 18:45 **Arianna Lovato** - Cytopathology of synthetic clones of Grapevine Algerian latent virus (GALV) in the model plant *Nicotiana benthamiana*.

20:30 CENA SOCIALE

12/06/2015

9:00 – 9:30 Riunione dei Gruppi

Stress

Moderatori: Giuseppina Falasca/Stefano Del Duca

9:30 – 9:55 **Andrea Iurlaro** - XTH and stress: how cell wall remodelling contributes to heat tolerance.

9:55 – 10:20 **Angela Cikatelli** - Clonal differences in As phytoremediation capacity of *Dittrichia viscosa* (L.) Greuter.

10:20 – 10:45 **Cyprien Verseux** - cianobatteri and spazio - Desert cyanobacteria under extreme conditions on Earth and in space: insights into protection and repair mechanisms and the limit of life as we know it

10:45 – 11:20 **Fabrizio Barozzi** - Localization and possible function of aquaporin NIP1;1

11:20 – 11:50 Coffee break

11:50 – 12:15 **Iris Aloisi** - Spermine (Spm) and its aromatic derivative BD23 modify the morphology of *Pyrus communis* pollen tubes by inducing ROS scavenging

12:15 – 12:40 **Lara Lombardi** - The gibberellin-stimulated cysteine-rich protein PaGAST1 of *Populus alba*: possible role as redox protein.

12:40 – 13:05 **Laura Fattorini** - Effects of cadmium and arsenic on root development and auxin distribution in *Arabidopsis thaliana* Heynh (L.) plantlets

13:05 – 13:30 **Marilena Ronzan** - The morphogenic responses and phytochelatin complexes induced by arsenic in *Pteris vittata* change in the presence or absence of cadmium

13:30 – 13:55 **Zicari MA** - Rare Earths: resources but also environmental pollutants. Responses of *Lemna minor* L. to exposition to cerium ions

14:00 Chiusura dei lavori