

09-10 November 2009, Aula Giorgio Prodi, Piazza S. Giovanni in Monte 2, Bologna

Organizers: Scarlato, Rugolo, Hochkoeppler

Language: English

Monday, 9 November 2009

- 09:00 **Rispoli Ada** (P1, III, Melli)
Role of Hsp70 on the structure of Cystatin B and its EMP1 mutants
- 09:15 **Mancia Annalaura** (P1, III, Melli)
The dolphin (*Tursiops truncatus*): A unique model to study human respiratory diseases
- 09:30 **Cozzi Roberta** (P2, II, Scarlato/Novartis)
Mutagenesis studies revealed key amino acids involved in pilus 2a assembly in Group B *Streptococcus*
- 09:45 **Altindis Emrah** (P2, II, Scarlato/Novartis)
Vaccinology and Proteomics: A new vaccine candidate for GBS
- 10:00 **Ianni Elvira** (P2, II, Scarlato/Novartis)
Use *E. coli* recombinant OMVs as delivery vector of the NV002 *Chlamydia* antigen
- 10:15 **Minguzzi Manuela** (P1, I, Della Valle/Bolondi)
Mechanism of p53 regulation by Notch signaling in human hepatocellular carcinoma

10:30 – 11:00 coffee break

- 11:00 **Barbaro Maria Raffaella** (P2, I, Trost)
The DOMON containing family of b-type cytochromes of plant plasma membrane
- 11:15 **Malferrari Marco** (P2, I, Venturoli)
Charge recombination kinetics and protein dynamics in wild type and carotenoid-less bacterial reaction centers: Studies in trehalose glasses
- 11:30 **Conte Emanuele** (P3, I, Hochkoeppler)
Accessory subunits and assembly of DNA Polymerase III in *Escherichia coli*
- 11:45 **Scoma Alberto** (P3, III, Fava)
Hydrogen production in the green microalga *Chlamydomonas reinhardtii*: the role played by PSII
- 12:00 **Vinelli Alessandra** (P2, II, Samorì)
DNA based nanostructures for biosensor and biochip application
- 12:15 **Gatta Valentina** (P2, I, Campadelli)
Design of an oncolytic Herpes Virus redirected to HER2 receptor
- 12:30 **Bettini Cristina** (P3, II, Fava)
Methane from municipal solid waste

12:45 – 14:30 lunch break

- 14:30 **Gancitano Giovanni** (P2, II, Scarlato/Novartis)
Functional characterization of group A streptococcus surface protein antigen possibly involved in cell division
- 14:45 **Valli Emanuele** (P1, I, Perini)
Mechanisms of N-Myc mediated transcriptional repression
- 15:00 **Gherardi Samuele** (P1, III, Perini)
C-Myc drives MDR in Osteosarcoma through ABC transporter genes' control
- 15:15 **Del Tordello Elena** (P2, I, Scarlato/Novartis)
Characterization of knock-out mutants of *Neisseria meningitidis* genes, up-regulated during growth in blood, using an ex-vivo model of human blood infection
- 15:30 **Centanni Manuela** (P3, I, Brigidi)
Bifidobacterium lactis surface DnaK, a human plasminogen receptor with a role in adaptation to the gastrointestinal environment
- 15:45 **Cruciani Federica** (P3, I, Brigidi)
Dynamics of vaginal bacterial communities analyzed by PCR-DGGE and Real-Time PCR

16:00 – 16:30 coffee break

- 16:30 **Camanzi Laura** (P3, II, Matteuzzi)
Optimal conditions for stability of photoemission and freeze-drying of Vibrio strains culture
- 16:45 **Negrone Andrea** (P3, III, Marchetti)
Microbial reductive dechlorination of polychlorinated biphenyls (PCB) in marine anaerobic sediments of the Venice Lagoon
- 17:00 **Ansaloni Elena** (P3, II, Setti)
Biorefining processes: recovery of secondary chemical building blocks from agroindustrial by-products
- 17:15 **Minopoli Fiorella** (P2, I, Maestrini)
The role of CNVs in autism susceptibility: analysis of the family 15-0084
- 17:30 **Capristo Mariantonietta** (P2, I, Rugolo)
ND1 Mutations in complex I and tumorigenesis
- 17:45 **Biagi Elena** (P3, III, Brigidi)
Gut microbiota and longevity: HITChip analysis of centenarians
- 18:00 **Dipalo Samuele** (P3, III, Brigidi)
Development of analytical methods for studying the interaction between entire bacterial cells and target proteins

Martedì 10 Novembre 2009

- 09:00 **Froldi Francesca** (P1, I, Pession)
Modelling oncogenic cooperation between lethal giant larvae TSG and Myc protein in *Drosophila* epithelia
- 09:15 **Agriesti Francesca** (P2, III, Scarlato)
Molecular architecture of Fur binding to iron-induced and -repressed genes in *Helicobacter pylori*
- 09:30 **Metruccio Matteo** (P2, IV, Scarlato)
A novel phase variation mechanism in meningococcus driven by a ligand-responsive repressor and differential spacing of distal promoter elements
- 09:45 **Fantappiè Laura** (P2, II, Scarlato)
A novel Hfq-dependent sRNA that is under FNR-control and is synthesized in oxygen limitation in *Neisseria meningitidis*
- 10:00 **Becherelli Marco** (P2, III, Scarlato/Novartis)
GAS pili influence biofilm formation and adhesion on eukaryotic cells
- 10:15 **Maresca Alessandra** (P1, I, Rugolo/Carelli)
Remodelling of mitochondrial network in cells with complex I dysfunction

10:30 – 11:00 coffee break

- 11:00 **Bellucci Matteo** (P2, III, Ciurli)
Protein interactions: the case of UreE from *Helicobacter pylori*
- 11:15 **Maccaferri Simone** (P3, I, Brigidi)
Effects of multispecies probiotic supplementation on intestinal microbiota in irritable bowel syndrome: a randomized double-blind controlled trial
- 11:30 **Faenzi Elisa** (P2, I, Scarlato/Novartis)
Set up of assays to evaluate memory B cells responses in glycoconjugate vaccines
- 11:45 **Bonsi Barbara** (P3, I, Setti)
Preliminary studies for development of new functional ingredients for food applications
- 12:00 **Fornari Francesca** (P2, III, Capranico)
MicroRNA-221 targets BMF and correlates with tumor multifocality in human hepatocellular carcinoma
- 12:15 **Vidoni Sara** (P1, III, Rugolo)
OPA1 links mitochondrial genome maintenance to mtDNA replication and nucleoid distribution in the network
- 12:30 **Sciandra Marika** (P1, III, Della Valle/Scotlandi)
CD99 molecule and osteoblastic differentiation

12:45 – 14:30 lunch break

- 14:30 **Bertozzi Davide** (P2, I, Capranico)
Effects of topoisomerase I inhibition on RNA polymerase II pausing and antisense transcription
- 14:45 **Di Palo Benedetta** (P2, I, Scarlato/Novartis)
Characterization of surface-exposed bacterial proteins responding to environmental changes: a novel approach for the identification of putative vaccine candidates
- 15:00 **Gallorini Simona** (P2, III, Scarlato/Novartis)
Toll-like receptor 2 dependent immunogenicity of glycoconjugate vaccines containing chemically derived zwitterionic polysaccharides
- 15:15 **Dhruv** (P2, I, Samori)
AFM based study of conformational equilibria and assembly of Alpha-synuclein
- 15:30 **Valvo Cecilia** (P2, III, Scarlato/ISS)
Role and mechanism of miR-143 miR-145 in the regulation of colon cancer progression
- 15:45 **Dimitrovska Valentina** (P2, III, Scarlato/Novartis)
Identification of an operon implicated in bacterial community formation in *S. pneumonia*
Kumar

16:00 – 16:30 coffee break

- 16:30 **Romani Patrizia** (P1, II, Gargiulo)
What's the function of Ecdysone during oogenesis? The key role of the different Ecdysone Receptor isoforms
- 16:45 **Bracchitta Mirko** (P3, I, Setti)
Biorefining processes: production of biofuels from agroindustrial by-products
- 17:00 **Eleuteri Simona** (P1, III, Contestabile)
Neuroprotection against amyloids toxicity on cells and anti-amyloidogenic strategy in the treatment of Alzheimer's and Parkinson's disease
- 17:15 **Donnarumma Danilo** (P2, I, Scarlato/Novartis)
Identification of posttranslational modifications on the surface of pathogenic bacteria
- 17:30 **Mariotti Paolo** (P2, I, Scarlato/Novartis)
Characterization and purification of *Staphylococcus aureus* iron binding proteins