



**IX Annual Congress
26 - 29 September**

Fierecongressi Congress Centre
Riva del Garda (TN) - ITALY

FISV

Federazione Italiana Scienze della Vita

Italian Life Sciences Federation

Member Societies

ABCD Associazione di Biologia Cellulare
e del Differenziamento

AGI Associazione Genetica Italiana

SIBBM Società Italiana di Biofisica
e Biologia Molecolare

SICA Società Italiana di Chimica Agraria

SIF Società Italiana di Farmacologia

SIFV Società Italiana di Fisiologia Vegetale

SIGA Società Italiana di Genetica Agraria

SIMA Società Italiana di Mutagenesi
Ambientale

SIMGBM Società Italiana di Microbiologia
Generale e Biotecnologie Microbiche

SINS Società Italiana di Neuroscienze

SIP Società Italiana di Patologia

SIPaV Società Italiana di Patologia Vegetale

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Giacomo Consalez · FISV Secretary

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Giovanni Vendramin

Davide Zannoni

Special Interest Subgroups

Tiziana Anelli

Silvia Masciarelli

Pietro Pichierri

Ennio Prosperi

Michèle Studer

Dear Colleagues,

The programme of the ninth FISV meeting has maintained the frame of the previous meetings unchanged: also this year we will try to provide our attendants with a good balance of different scientific disciplines. This has been made possible by the intense and fruitful cooperation between our constituent scientific societies, that have collaborated in the choice of symposia and in their organization. The ensuing scientific programme is very attractive, thus we hope to see you all in Riva del Garda from 26-29 September 2007.

In regard to the situation of Italian research, we are going through a very difficult time. Research funding has plummeted in an unprecedented way for our country. As an example, the PRIN-Biologia call has funded the research community less than 60% of the 2002-2004 average, and the percentage of funded projects has dropped accordingly, from 35 to 21%. Furthermore, the approved projects have yet to be granted. Many of our laboratories are in very serious or severe distress. This is all the more paradoxical, at a time when research has started receiving coverage from the media and attention from the political establishment. FISV has worked hard to voice the discontent of the research community, but this is obviously not enough. In our country, science is not taught adequately in schools, and it is often confused with technology. Lay people still do not understand what research is about and the rules it follows. We must work together to implement the notion of an economic development based on scientific and technological research. It is well established that Italian scientists are potentially competitive on the international scene: it is time to translate promise into fact.

Trying to push aside our discontent, let us see what can be done in the short term. This will be discussed in Riva at the evening round table on 26 September, hopefully in the presence of an influential member of the current cabinet. Furthermore, we must discuss our future as a federation, in the light of some very important news, focussing on the affiliation of an important scientific society to FISV, on the turnover of the presidency, and on the prospect of moving the congress site to a different location.

The 2007 FISV meeting promises to be an interesting one. I truly hope to see you in Riva!

Jacopo Meldolesi

President

Federazione Italiana Scienze della Vita

Italian Life Sciences Federation

Programme

12:00 Special Interest Subgroups

- Room 300 1. The DNA damage and DNA replication stress responses: from old to new techniques and model systems
Organizers: Pietro Pichierri, Ennio Prosperi
- Methods for detecting checkpoint activation in response to UV, and other genotoxic agents in yeast and mammalian cells
Federica Marini (Milan)
- DNA replication and genome stability: the role of ATM, ATR and the Mre11 complex
Vincenzo Costanzo (London, Herts, United Kingdom)
- Formation and dynamics of macromolecular protein complexes in response to DNA replication stress: analysis by Blue Native PAGE
Annapaola Franchitto (Rome)
- Analysis of yeast DNA repair helicases roles in preventing recombination at replication forks using 2D gels technique
Giordano Liberi (Milan)
- A ChIP on chip platform specific for DNA-damage
Roberto Mantovani (Milan)
- Live cell imaging and intracellular dynamics of fluorescent proteins involved in the DNA damage response
M. Cristina Cardoso (Berlin, Germany)
- Analysis of checkpoints/DNA repair protein interaction at the chromatin level: biochemical and immunofluorescence approaches
Ornella Cazzalini (Pavia)
- Room 1000B 2. Neural cell specification in the developing brain
Organizer: Michèle Studer
- Unexpected role of the Sox2 transcription factor in the generation of differentiated neurons by neural stem cells
Silvia K. Nicolis (Milan)
- Nurr1 transfection in neural precursor and dopaminergic differentiation
Chiara Soldati (Rome)
- Genetic interactions in cerebellar ventricular zone neurogenesis
Giacomo Consalez (Milan)
- Specification of cerebellar GABAergic interneurons: developmental mechanisms and environmental influences
Alice Bartolini (Turin)
- The role of Dlx5 in the development of the central and peripheral olfactory pathway
Giorgio R. Merlo (Milan)
- The role of Hoxb1 in the specification of rhombomere 4 neuronal derivatives
Maria Di Bonito (Naples)

Room 120 3. Proteotoxicity and Diseases
Organizers: S. Masciarelli, T. Anelli

Aggregation of proteins adopting fully folded conformations
Fabrizio Chiti (Florence)

N-glycan processing determines the fate of newly synthesized glycoproteins
Maurizio Molinari (Bellinzona, Switzerland)

Endoplasmic reticulum stress and pathogenesis of Charcot Marie Tooth 1B neuropathy
Lawrence Wrabetz (Milan)

Kidney diseases associated to uromodulin intracellular trafficking defects
Luca Rampoldi (Milan)

The processing of the Alzheimer's amyloid precursor protein (APP) is stimulated by activated p21-Ras
Loredana Amigoni (Milan)

Long term persistence of antisense RNA induced exon skipping in the gene therapy of Duchenne Muscular Dystrophy
Tania Incitti (Rome)

15:30 OFFICIAL OPENING OF THE CONGRESS [Room 1000A]

16:00 FISV Lecture I [Room 1000A]
RNA interference: from an odd phenomenon to the 2006 Nobel prize
Giuseppe Macino (Rome)

17:00 Plenary Symposium I [Room 1000A]

Regulatory circuits and noncoding RNA
Organizers: I. Bozzoni, D. Gallitelli

RNA silencing in plants - a useful model for genetic and epigenetic mechanisms
David Baulcombe (Cambridge, United Kingdom)

Emerging role for microRNAs in myeloid differentiation
Alessandro Fatica (Rome)

Silencing and antisilencing by ncRNA
Valerio Orlando (Naples)

Exploiting Endogenous microRNA Regulation for Improving Gene and Cell Therapies
Luigi Naldini (Milan)

19:00 Wine & Cheese (Get together)

20:30 Round Table I [Room 1000A]

Valutazione della ricerca scientifica
Organizer: J. Meldolesi • Participants: G. Cesareni, G. Corbellini, F. Salamini, F. Pasinelli

08:30 Parallel Minisymposia I

- Room 1000A 1. Transcriptional and post-transcriptional regulation
Organizers: A. Riccio, D.F.V. Corona
- Myosin VI is recruited to the nucleus upon transcriptional activation and modulates the elongation step
Massimo P. Crippa (Milan)
- New snRNA gene-like transcriptional units as sources of regulatory transcripts
Manuele Castelnuovo (Genoa)
- A link between post-transcriptional gene silencing and DNA replication
Germano Cecere (Rome)
- The RNase III Drosha controls miRNA biogenesis during transcription
Francesca Pagano (Rome)
- Mir-9, mir-125a and mir-125b are involved in the control of human neuroblastoma cell proliferation
Ubaldo Gioia (Rome)
- ISWI Functionally Interacts with the SIN3A/RPD3 Complex
Giosalba Burgio (Palermo)
- Molecular characterization of CDKL5, a novel kinase involved in Rett Syndrome and Infantile Spasms
Nicoletta Landsberger (Busto Arsizio)
- How to make a skin-tight dress: the p63/claudin-1 connection
Nadia Lo Iacono (Milan)
- Room 300 2. Genetics of microorganisms and microbial biotechnologies
Organizers: M. Bazzicalupo, S. Donadio
- Identification of the cellular target of the potential antitubercular drug BM212
Silvia Buroni (Pavia)
- Characterization of a sigF mutant in *Mycobacterium smegmatis*
Roberta Provvedi (Padua)
- Combating antibiotic resistance in *S. pneumoniae* infections: identification of neuraminidases binding peptides
Angela Romeo (Messina)
- Proteomic analysis of *Amycolatopsis balhimycina* to reveal primary metabolism proteins involved in balhimycin production
Rosa Alduina (Palermo)
- Cis-acting elements in pnp mRNA 5'-UTR and their role in autoregulation
Thomas Carzaniga (Milan)
- Secreted proteases reflect metabolic specialization in Dermatophytes
Olivier Jousson (Trento)

Constitutive expression of glycopeptide resistance in *Actinoplanes teichomyceticus* ATCC31121 is mediated by a defective *vanS* gene

Flavia Marinelli (Varese)

pga gene expression and production of poly-N-acetyl-glucosamine (PNAG) in a biofilm-forming mutant of *Escherichia coli*

Letizia Tagliabue (Milan)

Room 120 3. Stem cells, development and differentiation

Organizers: G.R. Merlo, L. Conti

Cripto-independent Nodal signaling promotes positioning of the A-P axis in the mouse embryo

Giovanna L. Liguori (Naples)

Cellular and developmental characterization of smooth muscle cells in zebrafish

Massimo Santoro (Alessandria)

The association with the HMG-domain protein iBRAF suggests a new role for dystrobrevin in neuronal differentiation

Pompeo Macioce (Rome)

Necdin mediates myoblasts survival and accelerates skeletal muscle regeneration

Stephanie Francois (Monza)

Comparison of mesenchymal precursor cells isolated from adult human tissues

Barbara Gava (Siena)

Identification of pericytes as myogenic precursors in human skeletal muscle

Arianna Dellavalle (Milan)

A large scale gain-of-function screening in Neural Stem (NS) cells

Ilaria Albieri (Milan)

PDGF-B-induced mouse oligodendroglioma as a model for brain tumor development and progression

Filippo Calzolari (Genoa)

Room Belvedere 4. DNA repair and mutagenesis

Organizers: F. Degrossi, S. Cinelli

Genotoxicity profile of two commercial antiprotozoan/antibacterial drugs

Annamaria Buschini (Parma)

Molecular characterization of *hprt* mutations induced by Me-lex in CHO-9 cell line

Debora Russo (Genoa)

Chemopotential of cisplatin toxicity by poly(ADPR)polymerases inhibitor PJ34 in carcinoma cell

Piera Quesada (Naples)

Association of the hOGG1 Ser326Cys polymorphism with sporadic amyotrophic lateral sclerosis in males

Fabio Coppede' (Pisa)

Spatial distribution and interaction of p21CDKN1A and PARP-1 in base excision repair

Ennio Prosperi (Pavia)

Multifaceted involvement of the CSA protein in the removal of DNA damage

Bruno Vaz (Pavia)

DNA ligase I deficiency activates the ATM-dependent DNA damage checkpoint and affects cell adhesion

Samuela Soza (Pavia)

Role of the interaction between NBS1 and γ -H2AX in the DNA double strand break response

Alessandra Di Masi (Rome)

Room Stampa 5. Processes and signals in the rhizosphere

Organizers: R. Pinton, S. Perotto

Developing plant bioindicators for plant sulfur nutritional status and/or sulfate availability in the rhizosphere

Clarissa Lancilli (Milan)

Interaction of phytases with soil constituents and implication for hydrolysis of adsorbed inositol phosphates

Luisella Celi (Grugliasco)

Use of microbial biosensors to study C and N dynamics in the rhizosphere of maize cultivars with different N use efficiency

Giancarlo Renella (Florence)

Biochemical and molecular characterization of microbial community in rhizosphere soil under long-term management

Carmine Crecchio (Bari)

Extraradical mycorrhizal networks as related to functional diversity of arbuscular mycorrhizal fungi

Luciano Avio (Pisa)

Influence of Cd-resistant rhizobacteria on the growth of *Brassica napus* under cadmium stress

Vincenza Andreoni (Milan)

Ericoid mycorrhizal fungi in metal polluted sites: functional and genetic diversity

Elena Martino (Turin)

A strategy for *in situ* localisation of horizontal gene transfer in rhizosphere and residuosphere of transgenic tobacco

Sara Borin (Milan)

Room 1000B 6. Cellular stress, apoptosis and autophagy

Organizer: F. Cecconi

Role of PPP4R2 in apoptosis and neuritogenesis

Ylenia Bosio (Turin)

Molecular mechanisms of neuronal cell death induced by mutant LRRK2 expression, a gene involved in Parkinson's disease

Claudia Crosio (Sassari)

Synaptosis in Tg2576 mouse model: a potential mechanism for early cognitive decline in Alzheimer Disease

Francesco Cecconi (Rome)

Down syndrome and murine Prep1-overexpressing cells display increased p53-dependent apoptosis

Nicola Micali (Milan)

PRIMA-1 synergizes with adriamycin to trigger an apoptotic response in non small cell lung cancer cells

Paola Menichini (Genoa)

A new product of oxidation of cholesterol by ozone (5,6 secosterol) and hepatic cell transformation

Clara Balsano (L'Aquila)

Embryonic development and gene expression affected by X-rays

Valeria Matranga (Palermo)

Characterization of the ascorbate-glutathione cycle isoenzymes under heat shock

*Vittoria Locato (Bari)***10:30 Coffee break****11:00 Plenary Symposium II** [Room 1000A]

3D Genomic Organization

Organizers: S. Pimpinelli, V. Orlando

Programming DNA replication origins and chromosome structure

Marcel Méchali (Montpellier, France)

Transcription factor dynamics in living cells

Marco E. Bianchi (Milan)

The inactive X chromosome: a paradigm for studying the interplay between chromatin marks and chromosome organisation

Maria R. Matarazzo (Naples)

Transcription and nuclear organization of the genome

*Peter Fraser (Cambridge, United Kingdom)***13:00 Lunch break**

14:00 Poster presentations I [Palameeting]
Parallel Minisymposia 1-6 & Special Interest Subgroups

16:00 FISV Lecture II [Room 1000A]
Dynamic interplay between chromosome synthesis, chromosome segregation and cell division during a bacterial cell cycle
Justine G. Collier (Palo Alto, CA, USA)

17:30 Parallel Symposia I

Room 300 1. Mechanistic basis of ageing
Organizers: L. Migliore, R. Sitia

Senescent cells modulate aging and cancer phenotypes
Judith Campisi (Berkeley, CA, USA)

Susceptibility genes modulating survival at old age
Giovanna de Benedictis (Rende)

p66Shc, redox signal and aging
Marco Giorgio (Milan)

Proteasomes as integrators of protein synthesis and lifespan control: the plasma cell paradigm
Simone Cenci (Milan)

Room 1000B 2. Bacteria-host cell interactions
Organizers: R. Manganelli, G. Riccardi

Mycobacterium tuberculosis: the indigestible microbe
David G. Russell (Ithaca, NY, USA)

Dendritic cells in bacterial handling in the gut
Maria Rescigno (Milan)

The multiple functions of the *Salmonella* SPI-2 type III secretion system
David Holden (London, United Kingdom)

H. pylori infection: host-pathogen interactions
Gianfranco Del Prete (Florence)

Room 1000A 3. Post-translational modifications in signalling and gene regulation
Organizer: S. Polo

Re-writing an altered epigenetic program in leukemia
Luciano Di Croce (Barcelona, Spain)

A proteomic approach to study S-nitrosylated proteins
Angela Bachi (Milan)

Ubiquitin in endocytosis and signaling
Simona Polo (Milan)

Viral perturbation of signaling pathways
Susanna Chiocca (Milan)

Room 120 4. Plants and health

Organizers: E. Benvenuto, A. Cassone

Molecular Farming - Global access to modern medicines

Mario Pezzotti (Verona)

Yield of recombinant pharmaceuticals in plants: the role of subcellular targeting

Alessandro Vitale (Milan)

Plant-derived allergens: a multitude of structures and functions as markers of allergy phenotypes

Adriano Mari (Rome)

Procyanidin regulation of vascular function - studies of red wine and chocolate

Roger Corder (London, United Kingdom)

20:30 Round Table II [Room 1000A]

Discussione sulle modifiche dei raggruppamenti disciplinari dell'Università

Organizer: F. Cervone

Participants: *F. Naro (membro CUN), E. Galli, R. Bassi, G. Lucchini, L. Frusciante*

08:30 Parallel Minisymposia II

Room Stampa 7. Population genetics and evolution

Organizers: A. Torroni, G.G. Vendramin

MtDNA haplogroup J: molecular dissection to define origin, diffusion patterns and role in disease expression

Matteo Accetturo (Pavia)

Variability in bitter taste perception and correlation with snp in *tas2r38* gene in different student population

Maura Carrai (Pisa)

The Sorenson Molecular Genealogy Foundation publicly accessible mtDNA database for ancestral and population studies

Alessandro Achilli (Pavia)

Genetic analysis of the populations of the *Salmo trutta* complex in Northern Italy

Giorgio Binelli (Varese)

Balancing selection and demography have shaped the genetic variability of the MHC class II DRB locus in *Rupicapra rupicapra*

Stefano Mona (Ferrara)

The distribution of *Quercus suber* chloroplast haplotypes matches the palaeogeographical history of the western Mediterranean

Giovanni G. Vendramin (Sesto Fiorentino)

Combined use of AFLP and Multiplex PCR in an epidemiological study of hospital infections by *Staphylococcus aureus*

Simona Sergi (Florence)

Molecular epidemiology of nosocomial infections

Francesca Donnarumma (Florence)

Room 1000B 8. Environmental microbiology and ecology

Organizers: D. Zannoni, D. Daffonchio

Potential role of high halophilic *Pseudonocardia* sp. strain in Australian stromatolites formation

Franco Baldi (Venice)

Enrichment of PCB dechlorinators from sediments of the Venice lagoon

Giulio Zanaroli (Bologna)

Enhancement of microbial mercury removal from soil in a slurry phase bioreactor

Isabella Gandolfi (Milan)

Effectiveness of tetraaryl-porphyrins in light-mediated inactivation of *Escherichia coli* and *Pseudomonas aeruginosa* biofilms

Paola Barbieri (Varese)

Myco-weathering of minerals: soil fungi modify asbestos *in vitro*

Stefania Daghino (Turin)

Eutrophic lake sediments host a community of H₂ producing strains of *Paenibacillus polymyxa*

Sadhana Lal (Rome)

Gram positive long chain n-alkane degraders from a hydrocarbon contaminated Sicilian shoreline

Anna Maria Puglia (Palermo)

Stenotrophomonas maltophilia SeITE02: a bacterial strain capable to reduce selenite to Se⁰ in aerobic conditions

Silvia Lampis (Verona)

Room 300 9. Cell cycle, oncogenes and tumor suppressors

Organizers: P. Lavia, M. Crescenzi

pRb-dependent cyclin D3 protein stabilization is required for myogenic differentiation

Maurizia Caruso (Rome)

Positive and negative regulation of Myc mediated transcription

Barbara Majello (Naples)

STAT3 and Her2 cooperate in mammary tumorigenesis

Sara Pensa (Turin)

CDK4 is a direct MYCN target in neuroblastoma

Cosmeri Rizzato (Heidelberg, Germany)

Kinetochores-associated RanGTP regulates kinetochore-dependent microtubule nucleation in centrosome-containing cells

Francesca Degrassi (Rome)

Micronuclei generation and chromosomal instability after RB interference in human fibroblasts

Angela Amato (Palermo)

Eukaryotic initiation Factor 6 is a rate-limiting controller of translation, growth and tumorigenesis

Valentina Gandin (Milan)

Interplay of Calmodulin, FADD and Casein Kinase I α in apoptosis and mitosis

Giovina Ruberti (Monterotondo)

Room 1000A 10. Plant development and diseases

Organizers: A. Scala, R. Angelini

The role of auxin in stamen development

Valentina Cecchetti (Rome)

In planta transient expression of PIs increases resistance against the pathogens

Botrytis cinerea and *Alternaria alternata*

Matteo Lorito (Portici)

Hormonal interactions during tomato fruit set and development

Lorenzo Mariotti (Pisa)

Antioxidant function of phytic acid in seeds: evidence from a maize (*Zea mais* L.)
low phytic acid mutant

Enrico Doria (Pavia)

Responses of *Arum italicum* leaves to the winter cold

Nicoletta La Rocca (Padua)

Salicylic acid activates nitric oxide synthesis in *Arabidopsis* roots and cultured cells

Alex Costa (Padua)

Characterization of the HLH/bHLH regulatory network in the shade avoidance
response

Valeria Cafardi (Rome)

MicroRNAs, endogenous siRNAs and pathogen-related siRNAs from grape berries

Andrea Carra (Grugliasco)

Room Belvedere 11. Bioinformatics, genomics and proteomics

Organizers: G. Pesole, M. Alessio

Finding transcription factors with over-represented binding sites in sequences from
co-regulated or co-expressed genes

Giulio Pavesi (Milan)

Generation and analysis of a human-mouse conserved co-expression network

Ugo Ala (Turin)

ASPic-geneID: a new and accurate gene prediction framework

Ernesto Picardi (Bari)

A high quality draft of the genome sequence of *Vitis vinifera* L.

Mario Enrico Pè (Milan)

Autonomous and non-autonomous helitrons - missing links

Slobodanka Radovic (Udine)

H-NS, a master controller of warm adaptation in *Escherichia coli*: a transcriptomic
analysis

Francesca Fabretti (Milan)

Modulation of proteomic profile in H295R adrenocortical cell line induced by
mitotane

Antonio Stigliano (Rome)

Post-translational modifications analysis of apolipoproteins present in human
lipoproteins by tandem mass spectrometry

Carmine Mancone (Rome)

Room 120 12. Membrane trafficking, adhesion and signal transduction

Organizers: A. Menegon, S. Giordano

Nervous system alterations in *Drosophila melanogaster* sphingolipid metabolic pathway mutants*Mauro A. Zordan (Padua)*

G-protein coupling specificity of the human oxytocin receptor: role in differential signalling pathway activation

Sara Ricciardi (Milan)

p140Cap controls cell-cell contact adhesion and early EGFR signalling

*Laura Damiano (Turin)*T3 action on pancreatic β cell function: a possible role for TR β 1 in the Akt pathway*Cecilia Verga Falzacappa (Rome)*

The expression of neurosecretion is governed by rest

Rosalba D'Alessandro (Milan)

A novel function for the Rab5 effector Rabenosyn-5 in planar cell polarity

Giovanna Mottola (Naples)

RILP is involved in the biogenesis of multivesicular bodies

Cecilia Bucci (Lecce)

Role of Hrs and Tsg101 in the regulation of FGFR2b/KGFR endocytosis

*Francesca Belleudi (Rome)***10:30 Coffee break****11:00 Parallel Symposia II**

Room 1000B 5. Multiplicity of endocytoses: mechanisms and pathways

Organizers: J. Meldolesi, A. Gasperi-Campani

Dynamics of endosomal membranes

Jean Gruenberg (Geneve, Switzerland)

Macropinosome fission requires plasma membrane recruitment and activation of CtBP1/BARS

Antonino Colanzi (Santa Maria Imbaro)

A choice made by the cells after stimulated exocytosis of enlargeosomes: endocytic recycling or vesicle shedding?

Emanuele Cocucci (Milan)

The role of ubiquitination in the integration of EGFR signaling and endocytosis

Pier Paolo Di Fiore (Milan)

- Room 1000A 6. Chromosome segregation and genome stability
Organizers: S. Piatti, A. Musacchio
- Kinetochore capture and bi-orientation on the mitotic spindle
Tomoyuki Tanaka (Dundee, United Kingdom)
- Cell cycle control: How to preserve chromosome numbers during cell division?
Erich A. Nigg (Martinsried, Germany)
- Unprotected *Drosophila* telomeres activate the spindle assembly checkpoint
Maurizio Gatti (Rome)
- Mechanisms that control the process of microtubule-kinetochore attachment
Andrea Musacchio (Milan)

- Room 300 7. Cell-cell communication and integrated signals in plants
Organizers: M. Lorito, P. Aducci
- The intrinsic stem cell factor, FEZ and its partner SOMBRERO, control auxin-sensitive oriented stem cell divisions in the root
Viola Willemsen (Utrecht, Netherlands)
- Initiation and establishment of systemic immunity in plants
Murray Grant (Exeter, United Kingdom)
- Sugar sensing in plants: interaction with hormone and abiotic stress signaling
Pierdomenico Perata (Pisa)
- Metabolites and Signals in the *Rhizobium*-Legume Symbiosis
Eduardo J. Patriarca (Naples)

- Room 120 8. Bioenergy and biofuels from biomasses
Organizers: F. Marinelli, M. Stanca
- Bioenergy and biofuels, a challenge for anaerobic microbiologists
Caroline Plugge (Wageningen, Netherlands)
- Biofuels from algae and higher plants: a comparative analysis of perspectives
Roberto Bassi (Verona)
- Deconstructing plant biomasses to improve energy production and biorefining
Simone Ferrari (Padua)
- Automotive biofuels: current trends and future challenges
Luca C. Zullo (Minneapolis, USA)

13:00 Lunch break

14:00 Poster Presentations II [Palameeting]
Parallel Minisymposia 7-12

16:00 Chiara D'Onofrio Lecture [Room 1000A]
TGF- β signaling in development and cancer
Stefano Piccolo (Padua)

17:00 Scientific Society Meetings**ABCD**

- 17:45 Premiazione della miglior Tesi di Dottorato (*Rita Contento*) e del miglior Poster ABCD 2007 (*Federica Accorsero*)
- 17:50-18:15 CXCR4-CCR5 heterodimer: a new couple modulating T cell functions
Rita Contento (Padua)
- 18:15-19:00 ABCD President Lecture
Targeting tumor angiogenesis by genetically modified hematopoietic stem cells
Michele De Palma (Milan)
- 19:00-20:00 Assemblea Soci ABCD

AGI

- 17:30 Riunione del Direttivo AGI (AGI Executive Council Meeting)
- 18:15 Premio di dottorato AGI/Zanichelli con presentazione del lavoro premiato (PhD thesis AGI/Zanichelli award, with presentation of the awarded work)
- 18:45 Assemblea dei soci (AGI members' meeting)

SIBBM

- 17:30 SIBBM annual assembly

SIFV

- 17:00 SIFV members' meeting
- 17:30 Ph.D. thesis Franca Rasi Caldogno award, with presentation of the awarded work (Dr M. Zaffagnini)
- 18:15 Election of the President, Secretary and Board of Directors 2008-09

SIMA

- 17:00 Etica della ricerca genetica
Luigi De Carli
- 17:45 Premiazione del miglior "Giovane ricercatore": Ida Casorelli ("Difetti nella riparazione del DNA in leucemie e malattie infiammatorie croniche intestinali") e del miglior Poster SIMA 2007
- 18:15 Assemblea dei soci SIMA

SIMGBM

- 17:00 Consegna dei seguenti premi e presentazione dei lavori premiati
Premio SIMGBM "Franco Tatò" 2007, per la miglior tesi di dottorato in Microbiologia generale
Premio "Novartis" 2007, per il miglior lavoro sul tema Patogenesi microbica e vaccine
Premio FABT "Giovanni Magni", per il miglior lavoro nel campo della Genetica dei microrganismi
- 18:00 Symposium on biofilms
Organizer: Bianca Colonna
- 18:00 The contribution of microbial diversity to antibiotic resistance of biofilms
Howard Ceri (Calgary, Canada)
- 18:40 RsaL, a global regulator controlling quorum sensing, virulence and biofilm formation in *Pseudomonas aeruginosa*
Livia Leoni (Rome)
- 19:10 Transition from planktonic cells to biofilm in *E. coli*: the CsgD regulon
Paolo Landini (Milan)
- 20:00 Cena Buffet
- 21:00 Assemblea dei soci SIMGBM

09:00 Plenary Symposium III [Room 1000A]

Systems biology

Organizers: R. Pardi, F. Di Cunto

Toward an integrated view of leaf growth and development in *Arabidopsis thaliana*
Fabio Fiorani (Gent, Belgium)

Protein interaction: from static graph representations to dynamic networks

Gianni Cesareni (Rome)

Regulatory networks during Development: Dissecting the logics

Eileen Furlong (Heidelberg, Germany)

Molecular machines, molecular networks and the mechanism of action of drugs

*Giulio Superti-Furga (Vienna, Austria)***11:00 Coffee break****11:30 EMBO Lecture** [Room 1000A]

Genome reprogramming in stem cells

*Wolf Reik (Cambridge, United Kingdom)***12:30 CLOSING CEREMONY** [Room 1000A]



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