

XVIII

FISV Congress

21 - 23 September 2026

Milan



PROGRAMME

Welcome

The XVIII Edition of the Congress of the Italian Federation of Life Sciences (FISV) is taking place from today, September 21, through September 23 at the University of Milan.

The Congress is a biennial meeting of FISV community, aimed at showcasing the excellence of Italian research through a program jointly developed by the federated societies, fostering dialogue across diverse and complementary disciplines, and defining shared goals and future perspectives.

Our Federation brings together 19 scientific societies - AAI, ABCD, AGI, BITS, SIB, SIBBM, SIBE, SIBS, SIBV, SICA, SIF (The Physiological Society of Italy), SIGA, SIGU, SIMAG, SIMGBM, SINS, SIPMeT, SIPaV, SITeLF - and represents a community of over 10,000 researchers in the life sciences.

We would like to thank them all for having contributed to put together an exciting multidisciplinary programme of special lectures, scientific symposia complemented by poster sessions, networking opportunities for young researchers, and so much more!

We are delighted to welcome you to Milan.

Chiara Tonelli, FISV President - *Chiara Zuccato*, FISV Scientific Secretary

SCIENTIFIC COMMITTEE

- Chiara TONELLI, University of Milan
- Chiara ZUCCATO, University of Milan and INGM Milan
- Luisella CELI, University of Turin
- Luca ESPEN, University of Milan
- Franco FAORO, CREA-IT
- Anna FASSIO, University of Genoa
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- Giada FRENZILLI, University of Pisa
- Fiorella LO SCHIAVO, University of Padua
- Stefania MASCI, University of Tuscya
- Giuseppe MERLA, University of Naples Federico II
- Salvatore OLIVIERO, University of Turin
- Lino OMETTO, University of Pavia
- Giuseppe PASSARINO, University of Calabria
- Pierdomenico PERATA, Sant'Anna School of Advanced Studies, Pisa
- Giulia PIAGGIO, IRCCS National Cancer Institute Regina Elena, Rome
- Sara SIGISMUND, University of Milan
- Giovanni TOSI, University of Modena and Reggio Emilia

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DAY 1

MONDAY
21 September 2026

12:00 – 18:00

Registration

13:30 – 14:00

Welcome Coffee

CORTILE DEL SETTECENTO

14:00 – 14:30

Opening Session

AULA MAGNA, VIA FESTA DEL PERDONO 7

Chiara TONELLI, FISV President

Monica DILUCA, Vice Rector for Research and Technology Transfer University of Milan

14:30 – 15:15

FISV Lecture

AULA MAGNA, VIA FESTA DEL PERDONO 7

Elena CATTANEO, University of Milan and INGM Milan

Huntington: the journey from gene sequence to neuronal damage

15:15 – 16:00

FUV Lecture

AULA MAGNA, VIA FESTA DEL PERDONO 7

Franco LOCATELLI, Catholic University of the Sacred Heart, Rome

Bambino Gesù Children's Hospital, Rome

CAR-T cells: from consolidated indications to the future applications in different diseases

16:00 – 18:00

SYMPOSIUM 1:

Chronobiology: biological rhythms and their effect on living organisms

AULA MAGNA, VIA FESTA DEL PERDONO 7

Chairs:

Fiorella LO SCHIAVO, University of Padua

Rodolfo COSTA, University of Padua

Mariano PERALES, Polytechnic University of Madrid

Molecular mechanisms linking the circadian clock to tree seasonality

Paolo Maria TRIOZZI, Sant'Anna School of Advanced Studies, Pisa

Oxygen: a missing input for the plant circadian clock?

Gian Michele RATTO, CNR, Pisa

Intracellular chloride as a signalling hub linking the autonomous circadian clock with neuronal excitability

Nazareno CAPITANIO, University of Foggia

The Rhythm of Life: Intertwining Mitochondrial Metabolism and Circadian Clock-Genes in Health and Disease

18:00 – 19:00

Apericena

CORTILE DEL SETTECENTO

19:00 – 21:00

MINI-SYMPOSIA

MS1 ENVIRONMENTAL, EVOLUTIONARY AND DEVELOPMENTAL BIOLOGY

ROOM 433
VIA FESTA DEL PERDONO 7

Chairs:

Andrea SCHUBERT, University of Turin

Anca MACOVEI, University of Pavia

Alessia AMETRANO, IBBC-CNR Naples — *Simulated marine heatwaves reveal epigenetic regulation of the polymeric immunoglobulin receptor gene in Antarctic teleosts*

Emanuele BOSI, University of Genoa — *The resistome of European coastal environments revealed by high-resolution targeted metagenomics in oysters*

Valerio FOSCHI, Roma Tre University — *Modulation of thermospermine metabolism alters xylem architecture and drought resilience in *Solanum lycopersicum* plants*

Flavia GRECO, University of Turin — *Space worms: adaptation to microgravity and low magnetic field strength*

Benedetta PIZZICONI, Campus Bio Medico, University of Rome *Polystyrene nanoplastics uptake and genotype-dependent responses in durum wheat: from hydroponic to soil-grown systems*

Ruihan SHEN, University of Turin — *KAI2 receptors shape the response to nitrogen limitation and nitrogen use efficiency in tomato*

Emanuele CAPRA, IBBA CNR, Lodi — *PFNA exposure disrupts sperm function and reprograms the epigenome in male rats*

MS2 GENETICS, EPIGENETICS AND CHROMOSOME BIOLOGY

ROOM 104
VIA FESTA DEL PERDONO 3

Chairs:

Giuseppe MERLA, University of Naples Federico II

Rossella TRICARICO, University of Pavia

Vittoria BRAMBILLA, University of Milan — *Stem growth in rice is controlled by chromatin remodelling that promotes cell division at the intercalary meristem*

Erika CASARI, University of Milano Bicocca — *Activation of MRX endonuclease by the Sae2 C-terminus: functional and molecular insights*

Martina GRECO, University of Trento — *The intranuclear protein quality control pathway sequesters excess histone H3 variant Cse4 to prevent chromosomal instability in budding yeast*

Anna PISCONE, University of Naples Federico II — *XRCC1 deficiency promotes telomeric chromatin leakage inflammatory signalling and senescence*

Erica ROSSI, University Roma Tre — *Telomerase reverse transcriptase as a modulator of mitochondrial DNA and mitophagy*

Martina SANTULLI, University of Bologna — *YEATS2 defines an E2F3-associated function of the ATAC core complex*

Esi TACI, University of Milan — *Exploring the link between cellular senescence and neurodegeneration using iDISCO on brain organoids*

MS3 GENOMICS, PROTEOMICS AND SYSTEMS BIOLOGY

ROOM 109
VIA FESTA DEL PERDONO 3

Chairs:

Candida VANNINI, University of Insubria Varese

Michela ZOTTINI, University of Padua

Alessia CANEVOTTI, University of Milan and CNR-IBIOM, Bari — *An integrative evidence framework and interactive resource for annotating the human pre-miRNA repertoire*

Guido DOMINGO, University of Insubria — *Small peptides big defense: chloroplast non-conventional peptides as novel regulators of thermal stress*

Margherita FERRETTI, IRCCS National Cancer Institute Regina Elena Rome — *Spontaneous miscarriage reveals CD47-SIRPa axis as a targetable immune checkpoint in endometrial cancer*

Sophia LUCHE, University of Parma — *Functional dynamics: metabolomic exploration of perennial wheat roots and their interacting microbial ecosystem*

Marcello MANFREDI, University of Piemonte Orientale

Unraveling CSF protein complex networks in neurodegenerative diseases

Emanuela PEDRAZZINI, IBBA CNR, Milan — *Lysine deserts in seed storage protein evolution*

Davide PEZZINI, University of Pavia — *Multi-omics approach to investigate the impact of seed coat pigmentation on Trifolium alexandrinum germination*

19:00 – 21:00

POSTER PRESENTATION

P4 CURRENT TRENDS IN BIOTECHNOLOGY

ROOM 435
VIA FESTA DEL PERDONO 7

Chairs:

Elisa CLAGNAN, University of Milan

Eleonora COMINELLI, CNR-IBBA, Milan

Giulia ANDERLUZZI, University of Milan — *The effect of cationic polymer on the structure and pDNA transfection efficiency of lipopolyplexes*

Giacomo BIRRO, University of Verona — *Primed for stress: loss of Aucsia2 improves salt resilience in tomato*

Michela BRUSCHI, University of Urbino Carlo Bo — *Thiol-based compound hinders *Pseudomonas aeruginosa* pyocyanin redox cycling and dampens LPS-driven acute pulmonary inflammation*

Simona COMPARATO, Istituto Nazionale Oncologico Candiolo — *Exploring the expression pattern of LINE-1-derived chimeric transcript of MET (LI-MET) across different tumor types*

Marco DAINELLI, University of Florence — *Constitutive metabolic adjustments underlying thallium hyperaccumulation in *Silene latifolia**

Francesca GIANNESE, Human Technopole, Milan — *The National Facility for Genomics of Human Technopole: Supporting Population Genomics Research and Technology Development in Italy*

Giovanni MESSINA, University of Verona — *Setting up of an in vitro model to investigate the effects on cell metabolism induced by the photobiomodulation protocols used for plantar fasciopathy*

Pietro ROVERSI, CNR-IBBA, Milan — *Structural Basis of ERAD-L Commitment by an EDEM. PDI Checkpoint Complex*

1
DAY

Chairs:

Stefania MASCI, University of Tuscia

Costanza CECCANTI, University of Pisa

Emma BERTOLE', University of Milan — Set up method for assessing the amount and activity of wheat germ agglutinin lectin

Lorenzo BRUSETTI, Free University of Bolzano — Irrigation water quality drives antimicrobial resistance co-selection along the Adige Valley: preliminary findings from the AppleHealth project

Beatrice CHIAVACCI, University of Florence — Crops that inherit their stress memories: *Cicer arietinum* against salt stress

Elena DE AMICIS, University of L'Aquila — Microalgal bioactive compounds as natural elicitors for sustainable crop protection

Noemi DI VITA, University of Padua — Proof of concept for RNAi-based weed control in *Solanum nigrum*

Ridwan DIAGUNA, University of Pavia — Screening for heat stress tolerance in tomato: Impact on seed repair response

Alessandra MARINELLI, University of Milan — Anthocyanins as a possible strategy to protect against mycotoxin toxicity

Andrea PAGANO, University of Pavia — Synergies in seed quality research to enhance stress tolerance in model and orphan legumes

Maria Manuela RIGANO, University of Naples Federico II — Effect of combined shade and drought stress on a *S. pennellii* introgression line.

Marta TOCCACELI, University of Milan — Purple corn anthocyanins encapsulated in zein nanoparticles and their role against inflammatory bowel diseases *in vitro*

Chairs:

Franco FAORO, CREA-IT

Elena Bianca DONETTI, University of Milan

Giulia Luna BERGANTINO, University of Sannio — *Selection of DNA aptamers targeting psoriasis-associated CARD14-mutant keratinocytes*

Stefano BIRESSI, University of Trento — *Reduced fibrosis after in vivo inhibition of complement C1 in animal models of Duchenne Muscular Dystrophy*

Ludovica CAPONE, University of Sannio — *Disruption of macrophage CBM complex signaling impairs adipocyte metabolic homeostasis in vitro*

Rosita DI PALMA, University of Naples Federico II — *Targeting oxidative and ER stress to improve chemotherapy in lung cancer cell: the adjuvant role of olea europaea in lung cancer*

Chiara DONATI, University of Pavia — *Novel Riluzole-derivative VA942 affects voltage-gated sodium and potassium currents expressed in SH-SY5Y-derived neurons*

Nicole MARCATI, University of Parma — *Parallel Evolution of a GLPIR Residue in Mammals and Humans Reveals a Pharmacogenomic Determinant of GLP-1 Receptor Agonist Response*

Valentina MARGARITA, University of Sassari — *Sex-based differences in prenatal innate immunity: divergent foetal responses to Mycoplasma hominis infection between males and females*

Francesco ACQUATI, University of Insubria — *Role of the human RNASET2 gene in the pathogenesis of Aicardi-Goutières syndrome.*

Shirin NAVACCI, Sapienza University of Rome — *AMBRA1 regulates Sonic Hedgehog signaling during cerebellar development and promotes SHH-medulloblastoma*

Roberto OLEARI, University of Milan — *Connecting craniofacial malformations with neural crest splicing defects by defining the role of nuclear cyclophilin NKTR*

Zeudi PETRONE, University of Naples Federico II — *Modelling diabetic corneal injury in ovo: a rapid platform for testing bioactive ophthalmic formulations*

Davide SARTINI, Marche Polytechnic University — *Therapeutic potential of paraoxonase-2 enzyme in triple-negative breast cancer treatment*

Chiara SCAPOLI, University of Ferrara — *Recurrent pregnancy loss and smoking share CTNNA2 rs4852592 locus effects through independent pathways*

Gabriele SALES, University of Padua — *Self-supervised learning reveals mutation-specific morphological signatures in Gaucher disease fibroblasts*

DAY 2

TUESDAY

22 September 2026

08:30 – 10:30**PARALLEL SYMPOSIA 2:****Microbiome Modulation Across Systems: Human, Plant, and Soil Perspectives**

AULA MAGNA MANGIAGALLI – VIA COMMENDA 12

Chairs:

Francesco LORETO, University of Naples Federico II**Sabrina SARROCCO**, University of Pisa**Vittoria CATARA**, University of Catania*The microbiome as a systemic determinant of plant health.***Giuliano BONANOMI**, University of Naples Federico II*Modulation of soil and rhizosphere microbiome to improve plant defence and ecosystem functions***Michele PERAZZOLLI**, University of Trento*Plant-associated microbial communities contribute to abiotic stress resilience***Marco VENTURA**, University of Parma*The role of bifidobacteria in shaping the human gut microbiota***08:30 – 10:20****PARALLEL SYMPOSIA 3:****Multiscale analysis of brain function and dysfunctions**

AULA MAGNA, VIA FESTA DEL PERDONO 7

Chairs:

Anna FASSIO, University of Genoa**Tommaso FELLIN**, Italian Institute of Technology**Simona LODATO**, Humanitas University*Early spontaneous activity shapes neuronal diversity and circuit assembly in the developing cerebral cortex***Nathalie ROCHEFORT**, University of Edinburgh*Movie-trained transformer model reveals novel response properties to dynamic stimuli in mouse visual cortex***Alessandro GOZZI**, University of Trento and Italian Institute of Technology*Multiscale Decoding of Functional Brain Maps***Marcello MASSIMINI**, University of Milan*Cortical dynamics after brain injury: from neurons to networks***10:20 – 10:30**

AULA MAGNA, VIA FESTA DEL PERDONO 7

Claudia SCACCABAROZZI, Agilent Technologies*From Sample to Insight: Agilent Integrated Technologies for Modern Life Science Research***10:30 – 11:00****Coffee break**

CORTILE DEL SETTECENTO

11:00 – 12:50

**PARALLEL SYMPOSIA 4:
RNA in mammals and plants**

AULA MAGNA, VIA FESTA DEL PERDONO 7

Chairs:

Serena VAROTTO, University of Padua

Michela DENTI, University of Trento

Pablo MANAVELLA, University of Malaga

Tiny Transposons, Big Effects: How MITEs Organize Chromatin to Shape Gene Expression

Luca CAPRIOTTI, Marche Polytechnic University

RNAi: biotechnological strategies for sustainable plant protection

Germano CECERE, Institute Pasteur, Paris

Small RNAs in Epigenetic Inheritance: a lesson from worms

Fabiana QUAGLIA, University of Naples Federico II

Engineering RNA delivery: from nanoparticle design to translational pipelines

12:50 – 13:00

AULA MAGNA, VIA FESTA DEL PERDONO 7

Antonio CASINI, Anemocyte

Streamlining mRNA Manufacturing through AMCAP One-Pot Enzymatic Capping

11:00 – 13:00

**PARALLEL SYMPOSIA 5:
Germline Pharmacogenetics: From Scientific Evidence to Clinical Implementation**

AULA MAGNA MANGIAGALLI – VIA COMMENDA 12

Chairs:

Chiara PESENTI, Anatomia patologica ASST BERGAMO OVEST, Treviglio

Monica MIOZZO, University of Milan

Matteo FLORIS, University of Cagliari

Implementing Pharmacogenetics in Italy: National Initiatives and Strategic Priorities

Erika CECCHIN, Oncology Reference Center of Aviano

Clinical benefit and utility of pharmacogenetic testing in oncology: from targeted genotyping to the genetic passport

Laura FONTANA, University of Milan

Technical approaches for germline pharmacogenetic testing

Massimo GENNARELLI, University of Brescia

Pharmacogenetics in psychiatry

13:00 – 14:00

Lunch

CORTILE DEL SETTECENTO

14:00 – 16:00

SYMPOSIUM 6:

Transposable and repetitive Elements in evolution and development

AULA MAGNA, VIA FESTA DEL PERDONO 7

Chairs:

Michele DE BORTOLI, University of Turin

Andrea LUCHETTI, University of Bologna

Didier TRONO, École Polytechnique Fédérale de Lausanne

The Endovirome, its epigenetic controllers and the species- specificity of human biology

Josep CASACUBERTA, CRAG Barcelona

LTR-retrotransposons, major drivers of genetic variability and key players in genome structure in plants

Maria Assunta BISCOTTI, Marche Polytechnic University

Let's jump: Transposable Elements as drivers of genomic plasticity

Alessio BOATTINI, University of Bologna

Dating polymorphic transposable elements in human populations

16:00 – 17:00

FISV Prize 2026

AULA MAGNA, VIA FESTA DEL PERDONO 7

Chairs:

Chiara TONELLI, FISV President;

Chiara ZUCCATO, FISV Scientific Secretary

FISV Young Researchers Award

Winners: ABBÀ Silvia, ALOISI Sara, GRENZI Matteo, ROSSINI Michela, TRIOZZI Paolo Maria, VENZIN Valentina.

17:00 – 18:00

Apericena

CORTILE DEL SETTECENTO

19:00 – 21:00
MINI-SYMPOSIA

MS4 CURRENT TRENDS IN BIOTECHNOLOGY ROOM 435
VIA FESTA DEL PERDONO 7

Chairs:
Roberto BASSI, Stazione Zoologica Anton Dohrn, Naples
Simone FERRARI, University of Rome La Sapienza
Germán Darío AHUMADA, Sant'Anna School of Advanced Studies, Pisa
Arabidopsis in vitro pipeline identified rice endophytic bacteria that promotes growth after submergence.
Nicolò ALBANESE, University of Sannio — *Engineering and characterization of third-generation CAR-macrophages for solid tumor immunotherapy*
Francesca AMODEO, University of Turin — *Overcoming the silencing of doxycycline-inducible promoters in hiPSC-derived cardiomyocytes*
Roberto CAFERRI, University of Verona — *Spectral re-design of lhcb proteins for engineering photosynthetic light use efficiency*
Pasquale CREANZA, University of Urbino Carlo Bo — *Development of a novel eco-friendly bioplastic from engineered phaseolin protein*
Giulia BARBIERI, University of Pavia — *Unlocking high-yield extracellular protease production in Bacillus subtilis by targeting the nutrient-responsive interplay between CodY and the stringent response*
Suleman Khan ZADRAN, University of Bologna — *A theranostic M13 phage nanoplatfrom for systematic CD276 targeting in neuroblastoma*

MS5 FOOD AND SUSTAINABLE NUTRITION ROOM 517
VIA FESTA DEL PERDONO 7

Chairs:
Laura DE GARA, Campus Bio-Medico University Rome
Maria Manuela RIGANO, University of Naples Federico II
Eleonora COMINELLI, CNR-IBBA, Milan — *CRISPR/Cas9-mediated editing of GmSULTR3;3 uncovers a new approach for regulating phytic acid accumulation in soybean*
Roméo Arago DOUGUÉ KENTSOP, CNR-IBBA, Milan — *From Nutritional Characterization to Active Packaging: An Integrated Evaluation of Vegetable Sprouts*
Ambra Selene PARMAGNANI, University of Milan — *Plant- derived nanocarriers for next-generation pest control and crop protection*
Paolo PESARESI, University of Milan — *Optimizing Canopy Photosynthesis in Barley: Identifying Optimal Allelic Variants within the BEST-CROP Project*
Gerardo PUOPOLO, University of Trento — *Heat-stable bacterial metabolites for sustainable crop protection: a strategy to enhance food security through reduced pesticide use.*
Gianpiero VIGANI, University of Turin — *Climate-Driven Changes in Mineral Nutrition: Implications for Sustainable Nutrition and Grain Quality in Durum Wheat*
Sabrina SARROCCO, University of Pisa — *Trichoderma gamsii T6085 as a biocontrol agent against Fusarium head blight of wheat: from modes of action to field performance*

Chairs:

Susanna AMBROSIO, University of Naples Federico II

Manuel GENTILUOMO, University of Pisa

Paola CAMPOMENOSI, **University of Insubria** — *PRODH shapes tumor cell behavior and macrophage recruitment in lung adenocarcinoma models*

Sonia CONI, **Sapienza University of Rome** — *A zinc finger– NFATc3–MYC module links intestinal microbiota to colorectal tumorigenesis*

Veronica DE GIORGIS, **University of Piemonte Orientale** — *Proteomics-guided drug repurposing identifies novel therapeutic candidates in soft-tissue sarcoma*

Laura GIANNOTTI, **University of Salento** — *Cannabidiol in brain cancer treatment: modulation of NRF2 pathways and autophagy*

Haider RIDA, **University of Palermo** — *A human In Vitro gut–brain axis model for genetic and functional evaluation of psychobiotic*

Ludovica LOSPINOSO SEVERINI, **Sapienza University of Rome** — *Discovery of a new selective ERAP1 inhibitor for Hedgehog– dependent cancer treatment*

Michele MENDITTO, **University of Palermo** — *Targeting TP53 nonsense mutations by Translational Readthrough: functional rescue of p53 and enhanced chemotherapy sensitivity*

19:00 – 21:00

POSTER PRESENTATION

VIA FESTA DEL PERDONO 7

PI ENVIRONMENTAL, EVOLUTIONARY AND
DEVELOPMENTAL BIOLOGY

ROOM 433

VIA FESTA DEL PERDONO 7

Chairs:

Fabrizio ARANITI, University of Milan

Vittoria BRAMBILLA, University of Milan

Giulia Ave BONO, University of Milan — Rice florigenic proteins determine inflorescence architecture and flower fertility

Carla-Marie BRUNET, University of Parma — Genomic evidence for reduced close-kin reproduction in captive baboons

Maria Giuseppina CAMPANILE, University of Campania Luigi Vanvitelli

Insight into the amino acid sequence of canihuin, a type-1 ribosome inactivating protein from Chenopodium pallidicaule Aellen seeds

Sara CIMINI, Campus Bio-Medico University Rome — miR167 and miR530 define conserved and cultivar-specific miRNA networks to salt stress in temperate japonica rice

Corinne DAMIANI, University of Palermo — Native endophytic microbial consortia enhance grapevine resilience to drought and heat stress

Giorgia FABBRINI, University of Milan — Plant stress in a new light: novel fluorescent indicators to resolve mitochondrial calcium signatures in vivo

Nicolaj JERAN, University of Milan — Forever YounGreen: dissecting the staygreen phenotype to enhance barley yield and resilience

Thais HUARANCCA REYES, University of Pisa — Screening of wetland species for future multispecies remediation systems

Simone LANDI, University of Naples Federico II — Oxidative pentose phosphate pathway displays multi-layer post-translational regulation in photosynthetic organisms

Beatrice LANDONI, University of Milan — Subgenome-specific circadian growth regulation in tropical allopolyploid cotton under temperate conditions

Giacomo MERCURI, University of Parma — Gelada (*Theropithecus gelada*) genomic diversity sheds light on the biogeography of an endemic species of the ethiopian highlands

Erica MICA, Università Piemonte Orientale — Genome-wide association mapping of arsenic uptake and transport in rice using germanium oxide phenotyping

Ginevra Marie Eloise PEPPI, University of Bologna — Bridging mechanistic and physiological roles of *Arabidopsis* AKR4C subfamily in nitric oxide signaling and nitrosoglutathione catabolism

Paola PUNZO, IBBR-CNR, Portici — The splicing factor DRTIII regulates secondary dormancy induction in *Arabidopsis thaliana*

Camilla SANGIOVANNI, Tor Vergata University of Rome — Population structure and signatures of domestic introgression in Italian wild boar: insights from STRs and functional SNPs

DAY 2

Chairs:

Grazia Daniela RAFFA, University of Rome La Sapienza

Patrizia GUIDI, University of Pisa

Laura BAVAGNOLI, IGM-CNR, Pavia — *A novel role for hsa-miR- 1307-3p in R-loop homeostasis and genome stability.*

Nicolò BEDOTTO, University of Pavia — *Screening the DNA Damage Response pathway for seed quality hallmarks in Oryza sativa*

Andrea BERNARDINI, University of Milan — *Human-specific innovations in the basal transcription machinery: a novel TAF8 isoform increases TFIID assembly complexity in human cells*

Mariarita BRANCACCIO, University of Naples Federico II — *ZSCAN4-Telomerase Axis Activation Drives Genome Stability Programs in Preeclamptic Placenta*

Giovanni DI FUSCO, University of Naples Federico II — *Autophagy affects DNA damage response by modulating KAT5/TIP60 stability*

Chiara FIORENTINO, University of Naples Federico II — *DeXR: estimating X chromosome inactivation skewing from bulk RNA- seq data*

Federica IRIS, University of Roma Tre — *Oxidative stress as a modulator of DNA damage-induced innate immunity: insights into the cGAS-STING pathway*

Giorgio MILAZZO, University of Bologna — *Distinct CoREST complexes control tumor initiation and oncogenic transcription in neuroblastoma*

Giorgio PERRELLA, University of Milan — *Histone Deacetylase Complex 1 coordinates chromatin organization and transcriptional regulation to drive hypocotyl elongation in plants*

Costantino PRECIPUO, University of Naples Federico II — *Dissecting molecular and epigenetic alterations in Preeclampsia through complementary in vitro and ex vivo models*

Chairs:

Luigi LUCINI, Catholic University of the Sacred Heart, Piacenza

Francesca SACCO, University of Rome Tor Vergata

Giovanni SCALA, University of Naples Federico II

Fabrizio ARANITI, **University of Milan** — *Unveiling the Phytotoxic Mode of Action of Nootkatone in Arabidopsis thaliana: An Integrated Multi-Omics Approach*
Lidia AVALLE, **University of Piemonte Orientale** — *From co-expression to causality: defining functional hub genes in basal-like breast cancer networks*

Eleonora DAVIDE, **University of Insubria** — *Genotype-specific changes in protein and metabolite content in wheat spikelet under nutrient and water stress*

Davide DE LUCA, **IFC-CNR, Pisa** — *Functional characterization of MYC point mutations identified in diffuse large B-cell lymphoma*

Eleonora DI VENERE, **University of Naples Federico II** — *From centrosome to primary cilium: the emerging role of TRIM8*

Giulio FERRERO, **University of Turin** — *The cancer-related DSCAM-AS1 lncRNA evolved midway through primate evolution via Transposable Element acquisition*

Monica GALBUSERA, **University of Milan** — *Uncovering the role of polyploid giant cancer cells in high-grade serous ovarian cancer: new treatment perspectives*

Silvia GIANOGGIO, **University of Turin** — *Insights into the biosynthesis of irregular monoterpenoids from a newly identified α -trans-necrotyl diphosphate synthase from Lavandula stoechas subsp. luisieri*

Parinaz KHANJANPOOR, **University of Insubria** — *Transcriptomic analysis of advanced adenoma and colorectal cancer showed a widespread dysregulation of LINE-chimeric noncoding transcripts*

Giorgia MODENINI, **University of Padua** — *Transposable elements may contribute to the expression profiles of genes involved in human neurodevelopmental processes*

Sabela NIKOLLI, **IRCCS National Cancer Institute Regina Elena, Rome** — *Dysregulation of microRNA biogenesis in cancer: the impact of mutant p53/Dicer complex*

Emilia PICCIRILLI, **University of L'Aquila** — *In vivo pectin breakdown by inducible expression of a fungal polygalacturonase in Arabidopsis as a tool to study subcellular proteome remodelling upon cell wall damage*

DAY 3

WEDNESDAY
23 September 2026

08:30 – 10:30

SYMPOSIUM 7:**Timing and Causes of Life Course Epigenetic modifications**

AULA MAGNA, VIA FESTA DEL PERDONO 7

Chairs:

Giuseppe PASSARINO, University of Calabria

Giada FRENZILLI, University of Pisa

Graziano MARTELLO, University of Padua*Role of metabolism in the establishment of epigenetic features at early life stages***Wolfgang WAGNER, Aachen University Medical School***Life-long and aging related modifications of the epigenetic landscape***Fabio COPPEDE, University of Pisa***Epigenetic effects of emerging pollutants***Annamaria BUSCHINI, University of Parma***Industrial hemp as a model plant for the genotoxic and epigenotoxic evaluation of perfluoroalkyl and polyfluoroalkyl substances (PFAS)*

10:30 – 11:00

Coffee break

CORTILE DEL SETTECENTO

11:00 – 13:00

SYMPOSIUM 8:**AI in precision medicine**

AULA MAGNA, VIA FESTA DEL PERDONO 7

Chairs:

Giulia PIAGGIO, IRCCS National Cancer Institute Regina Elena, Rome;

Enrico DE SMAELE, Sapienza University of Rome

Alberto TRAVERSO, IRCCS San Raffaele Hospital*What will it take to bring AI into personalized medicine?***Francesca CORDERO, University of Turin***Integrative Multi-Layer Longitudinal Modeling of MRD Trajectories in Clinical Trials***Egidio D'ANGELO, University of Pavia***Multiscale modelling and Brain Digital Twins***Fariba TOHIDINEZHAD, Erasmus MC Rotterdam***The Landmarks of Multimodal Learning in Medicine*

13:00 – 13:30

Best presentation and poster awards

AULA MAGNA, VIA FESTA DEL PERDONO 7

13:30 – 14:00

Closing Remarks

AULA MAGNA, VIA FESTA DEL PERDONO 7

NOTE

NOTE

EXHIBITORS FISV CONGRESS 2026



FISV MEMBER SOCIETIES



Thank you for joining us in Milan.