



Pavia, Italy

# 125<sup>th</sup> SIPMeT Anniversary Congress

## 2025

18<sup>th</sup>-20<sup>th</sup> September 2025



# Welcome message

The Congress in Pavia will allow us to celebrate a special event for our society: the anniversary of its foundation in October 1901 by the great scientists C. Golgi, G. Bizzozero, P. Foà, and B. Morpurgo. 125 years of research, innovation, and scientific discoveries that have profoundly transformed our understanding of medicine and biology.

This congress is not only a moment of reflection on the path we have taken, but also an opportunity to renew our commitment to the advancement of science and medicine. Over these years, general pathology has continued to play a crucial role in the study of diseases, influencing the diagnosis, prevention, and treatment of numerous pathological conditions.

I look forward to welcoming many of you in September, promoting new connections, and further strengthening our community in Pavia.

*Prof. Lucia Anna Stivala,  
President of the Local Organizing Committee*

## WITH THE PATRONAGE OF



Sistema Socio Sanitario



COMUNE DI PAVIA



## UNDER THE AUSPICES OF



## Scientific Committee

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### Vice-President

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### Secretary/Treasurer

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### Past President

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Prof. Calogero Caruso

Prof. Alfonso Pompella

### Auditors

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## Local Organizing Committee

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Prof.ssa Ornella Cazzalini

Prof.ssa Arianna Palladini

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Dott. Hugo de Jonge

Dott.ssa Maristella Maggi

Dott.ssa Luisa Iamele

Dott.ssa Paola Perucca

Dott.ssa Martina Sarchi

## Thursday 18<sup>th</sup> September 2025

12.30-14.00

Registrations

14.00-14.30

Welcome Address

14.45-15.30



### OPENING LECTURE FOR 125<sup>th</sup> ANNIVERSARY

Chairs: Francesco Curcio (Udine), Luigi Frati (Roma)

A Revolutionary in Biomedicine: Camillo Golgi and His Scientific School  
*Paolo Mazzarello (Pavia)*

15.45-16.45

### SESSION 1

Chairs: Lucia Anna Stivala (Pavia), Umberto Dianzani (Novara)

- Targeting EIF4A1 is effective against human intrahepatic cholangiocarcinoma - *A. Cigliano, Sassari*
- Targeting Glutamine Synthetase overcomes the resistance of prostate carcinoma cells to glutamine depletion - *G. Taurino, Parma*
- Nrf2-driven proliferation and metabolic reprogramming in normal hepatocytes - *A. M. Caddeo, Cagliari*
- METTL16-mediated inhibition of MXD4 promotes acute myeloid leukemia through activation of the MYC-MAX axis - *G. Bove, Caserta*

17.00-18.00

### SESSION 2

Chairs: Nadia Caccamo (Palermo), Guido Ferlazzo (Genova)

- Targeting the Escape: SETD8 Inhibition Enhances Temozolomide Efficacy in MGMT-Methylated Glioblastoma - *R. Della Monica, Napoli*
- Pro-differentiation treatment of lung cancer cells significantly reduces cancer stem cell and pathogenic traits in vitro - *A. Grossi, Pavia*
- Contribution of concurrent RB1 and p53 pathways alteration to the development of the Primitive Neuronal Component in Glioblastoma - *E. Somenza, Brescia*
- Clinically-oriented and patient-adapted reporting of breast cancer grade predictions using large language models (LLMs) - *M. Talia, Cosenza*

## Programme

## Friday 19<sup>th</sup> September 2025

09.00-09.45



### PLENARY LECTURE

Chairs: Francesco Curcio (Udine), Massimiliano M. Corsi Romanelli (Milano)  
The microbiome for pathologists - *Luigina Romani (Perugia)*

10.00-11.00

### SESSION 3

Chairs: Marcello Maggiolini (Cosenza), Raffaella Muraro (Chieti)

- UVI5008, the first selective, reversible, non-covalent Bruton's tyrosine kinase epi-inhibitor for B-Cell malignancies - *C. Dell'Aversana, Bari*
- Mitochondrial fission drives an actionable metabolic dependency in multiple myeloma - *M. E. Gallo Cantafio, Catanzaro*
- MammaTyper®: molecular predictor of response to neoadjuvant therapy in HER2-positive breast cancer - *E. Belcastro, Pisa*
- Repurposable drugs mebendazole and nitroxoline in combination exhibit antiproliferative effects in 2D and 3D cell models of pancreatic cancer - *R. Florio, Chieti*

11.15-12.15

### SESSION 4

Chairs: Sebastiano Andò (Cosenza), Ovidio Bussolati (Parma)

- Melanoma in Disguise: How Androgen Receptor Activation Drives Immune Escape and Tumor Invasiveness - *M. Di Donato, Caserta*
- Mimicking blood flow using a near in vivo microfluidic system to study Chemicals and NanoMaterials (CNMs) metabolic response - *N. Pappagallo, Urbino*
- Mapping Treatment Response in AR+ Triple-Negative Breast Cancer Using Spatial Profiling - *D. Lucchetti, Roma*
- Anti-inflammatory effects of inhalable Iloprost formulations in primary human cystic fibrosis nasal epithelial cells - *A. Carbone, Foggia*

12.30-14.00

### LIGHT LUNCH

14.15-15.00



### PLENARY LECTURE

Chairs: Gianluca Canettieri (Roma), Lucia Altucci (Napoli)  
New insights into the role of autophagy in the development of cardiovascular diseases - *Sebastiano Sciarretta (Roma)*

15.15-16.15

### SESSION 5

Chairs: Calogero Caruso (Palermo), Ornella Cazzalini (Pavia)

- ICOS-Fc Inhibits Spheroid Growth and Tumour-Promoting Pathways in a 3D Breast Cancer Model - *F. Christaki, Novara*
- Hepatocyte depletion of ERK5 impairs the response to lipotoxic oxidative stress resulting in defective insulin receptor signaling - *A. Menconi, Firenze*
- $\alpha$ -Ketoglutarate-Driven Immune Escape in Hypoxic MASLD-HCC: Amino Acid Metabolism at the Crossroads - *B. Foglia, Torino*
- Targeting BRPF1/ASH1L co-dependency synergistically counteracts endocrine therapy resistance in breast cancer - *A. Salvati, Salerno*

## Programme

16.30-17.30

## ROUND ROBIN: 20 selected posters

Chairs: Francesco Curcio (Udine), Lucia Anna Stivala (Pavia), Lucia Altucci (Napoli), Gianluca Canettieri (Roma)

- Interleukin-1 Receptor 8 deficiency enhances the anti-tumour activity of Doxorubicin and reduces Cardiotoxicity - *F. Scavello, Milan*
- Explaining the dynamics of tumor aggressiveness: at the crossroad between biology and artificial intelligence - *C. La Porta, Milano*
- T cells, B cells and nanomedicine: the Immune Cell Activation project on the International Space Station - *C. Della Bella, Siena*
- The KDM2A-Notch3 axis as driver of stemness and epithelial-mesenchymal transition in hepatocellular carcinoma - *I. De Giorgi, Pisa*
- The Metabolic Benefits of CD300e: Unlocking the Immune Receptor's Role in Combating Obesity-relating disorders - *M. De Bernard, Padova*
- In silico and in vitro evaluation of bone marrow CD8+ tissue-resident memory cells in multiple myeloma - *M. P. La Manna, Palermo*
- Circadian rhythm in infections: new insights for diagnosis and therapy *M. M. Bellet, Perugia*
- Nanoplastics and the Bone Microenvironment: Oxidative Stress and EV Signaling in Multiple Myeloma - *L. Casati, Milano*
- Molecular diagnosis of Hereditary Hemochromatosis by Next Generation Sequencing: a case report - *M. Furlani, Udine*
- Brefeldin A hampers Medulloblastoma Stem Cells features: Unveiling a new way for an old molecule - *Z. Spinello, Roma*
- Exposure to the endocrine disruptors triphenyl phosphate and diphenyl phosphate alters the DNA base excision repair pathway in normal thyroid cells *G. M. Aceto, Chieti*
- Micro- and Nanoplastics induce dysregulation in human monocytes: insights into autophagy and inflammation - *C. Fenizia, Milano*
- Extracellular vesicles characterization in patients with heart failure with preserved or reduced ejection fraction - *C. Macchi, Milano*
- iPSC reprogramming identifies novel candidate drivers of preleukemic clonal evolution - *M. Sarchi, Pavia*
- Macrophages-Leishmania infantum interactions: how the production of microbiocidal radicals changes under hypoxia - *F. Perego, Milano*
- GM-CSF-producing RORgt ILC3s accumulated in human Colorectal Cancer and correlated with Tertiary lymphoid structure-associated cell types *C. De Pasquale, Messina*
- Differential expression of mRNA 3'-end KRAS in human cancer *S. Messina, Roma*
- Sarcopenic Obesity and Physical Frailty: Insights from a Study of Older Italians and Centenarians - *A. Santoro, Bologna*
- Mechanosensitive BMP4 and the IL-33/sST2 Axis in the Cardiac Remodeling of Diet-Induced Obesity Mice - *E. Vianello, Milano*
- Role of Anti-MDA5 Antibodies in the Pathogenesis of Dermatomyositis and related RP-ILD - *S. Calandra, Pavia*

17.30-17.45

## CAP LIAISON

Establishing a high-quality Laboratory with help from CAP  
*O. Schnaedelbach, College of American Pathologists, USA*

17.45-19.00

SIPMeT General Assembly and elections

GET-TOGETHER COCKTAIL 

Saturday 20<sup>th</sup> September 2025

9.00-9.45



## PLENARY LECTURE

Chairs: Massimiliano M. Corsi Romanelli (Milano), Luigi Frati (Roma)  
Functional Interrogation of Intratumoral Lymphocytes  
*Sergio Abrignani (Milano)*

10.00-11.00

## SESSION 6

Chairs: Arianna Palladini (Pavia), Cristian Turato (Pavia)

- Involvement of innate lymphocytes in the pathogenic mechanisms of colorectal cancer - *M. Fallo, Palermo*
- Role of oxidative stress and neuroinflammation in a glaucoma mouse model. In vivo evidences for a new therapeutic approach *D. Vecchiotti, L'Aquila*
- Epigenetic Signatures and Accelerated Aging in Painful Diabetic Neuropathy: A Comprehensive DNA Methylation Analysis *C. Pirazzini, Bologna*
- Targeting NADH Homeostasis through GPD2 Inhibition and Metabolic Stress Induces Tumor Regression in Colorectal Cancer *G. Della Rocca, Roma*

11.15-12.15

## SESSION 7

Chairs: Monica Savio (Pavia), Claudia Scotti (Pavia)

- PRDM2 intersects the mevalonate and egfr pathway: a new target for the colorectal cancer treatment - *E. Di Zazzo, Campobasso*
- CD16+ CD8+ T cells emerging following mRNA vaccination for COVID-19 can infiltrate human colorectal cancer - *S. Campana, Messina*
- Genomic Profiling of Colloid Carcinoma of the Pancreas *M. Bevere, Verona*
- Moderate training prevents diet induced cardiovascular remodeling in Female Long-Evans Rats - *D. Stefanizzi, Udine*

12.30-13.00

Farewell address & Awards

# General Information

## Congress venue

CAMPUS AQUAE  
Università di Pavia  
Via Cascinazza, 29  
27100 Pavia

## Social Event

A “Get-together” cocktail dinner will be organized on Friday 19<sup>th</sup> September at “Mulino della Frega” (Via Vittorio Emanuele II, Lardirago PV).

Shuttle bus service will be organized from the Congress Venue.  
To confirm your attendance, please mark the appropriate option on the on-line registration form.  
A symbolic contribution of € 15 is required upon confirmation.  
The amount must be paid online with credit card when registering.



## Registrations

The event is reserved for SIPMeT members. We kindly ask to renew your membership for the year 2025 by 1st September at the latest. Registration is free and will be accepted on a first come first served basis within 1st September 2025.

To register please go to [www.mzevents.it](http://www.mzevents.it) section “Events” and click on “Sign up on-line” after having selected the event.

## Abstract Book

All abstracts submitted and accepted by SIPMeT will be available in PDF format on the website [www.sipmet.org](http://www.sipmet.org)

## Certificate of attendance

Certificates of attendance will be sent by e-mail after the end of the Congress.

## Congress Language

The official language of the Congress is English.

## Name Badge

A name badge will be required to access to the congress area. Participants will receive a name tag when checking in at the registration desk. The registration desk opens on 18th September, at 12.00.

## Catering

SIPMeT is glad to offer a buffet lunch to all congress delegates on Friday 19th September. A coffee station will also be available on Thursday 18th September.





## Poster Awards

SIPMeT Advisory Board decided to create **9 AWARDS of € 250 each** for the best abstracts submitted by young scientists.

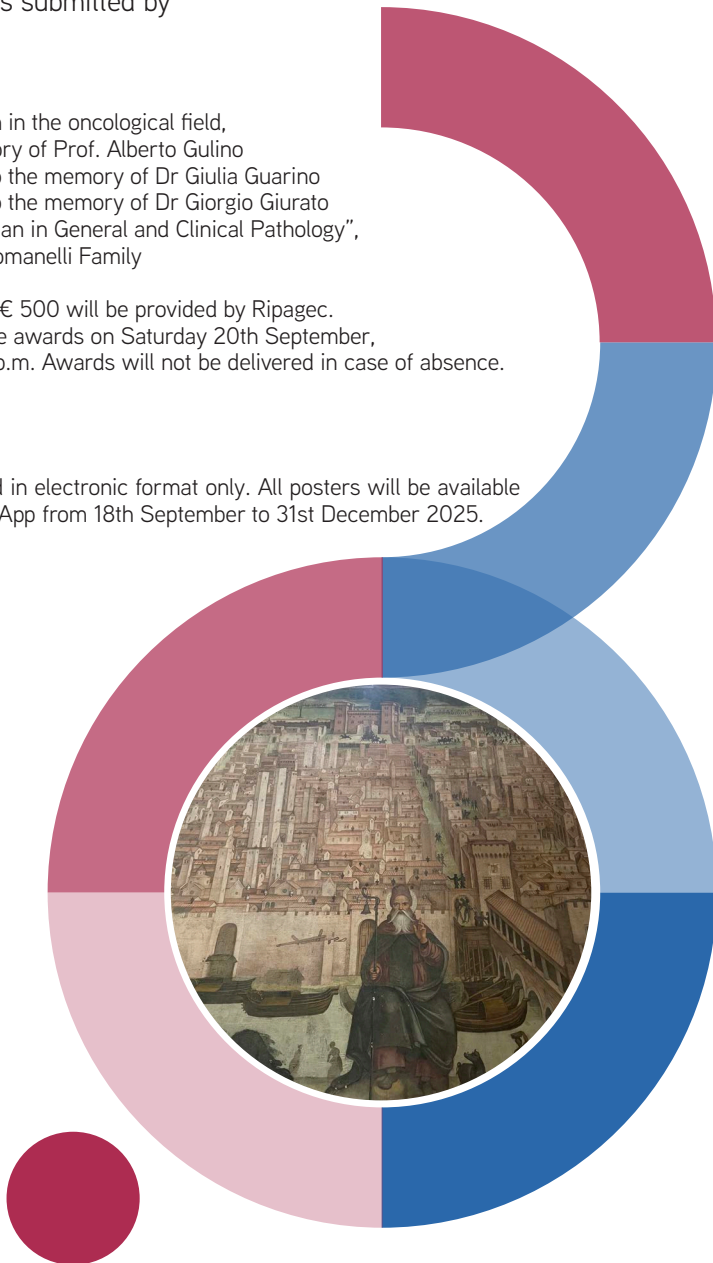
Among them:

- 1 award is for research in the oncological field, dedicated to the memory of Prof. Alberto Gulino
- 1 award is dedicated to the memory of Dr Giulia Guarino
- 1 award is dedicated to the memory of Dr Giorgio Giurato
- 1 award, entitled “Woman in General and Clinical Pathology”, is provided by Corsi Romanelli Family

One additional award of € 500 will be provided by Ripagec. Winners must pick up the awards on Saturday 20th September, from 12.30 p.m. to 1.00 p.m. Awards will not be delivered in case of absence.

## e-Posters

Posters will be displayed in electronic format only. All posters will be available through the official Web App from 18th September to 31st December 2025.





RiPaGeC – APS ETS Onlus  
Presidente Prof. Massimiliano Marco  
Corsi Romanelli  
C.F. 02768180180  
C/C n. 1000/00169757  
Intesa San Paolo - Filiale 55000  
Piazza Paolo Ferrari, 20121 – Milano



ORGANISING SECRETARIAT  
**MZ EVENTS**  
Tel. 0266802323  
[www.mzevents.it](http://www.mzevents.it)  
[nicholas.vergani@MZevents.it](mailto:nicholas.vergani@MZevents.it)  
[federica.donzelli@MZevents.it](mailto:federica.donzelli@MZevents.it)