



MAY
08-09
2025

Complesso Monumentale
di San Pietro, Perugia

GISM ANNUAL MEETING 2025



A.D. 1308
unipg
UNIVERSITÀ DEGLI STUDI
DI PERUGIA



AZIENDA
OSPEDALIERA
SANTA MARIA
TERNI



Azienda Ospedaliera di Perugia



ISTITUTO ZOOFILATTICO SPERIMENTALE
DELL'UMBRIA E DELLE MARCHE "TOGO ROSATI"

The Gism Annual Meeting 2025 will take place on 8 and 9 May 2025 in the magnificent atmosphere of the Complesso Monumentale di San Pietro in Perugia (Italy).

The event will take place for the second time in Umbria and will be organised under the auspices of the University of Perugia, the Department of Veterinary Medicine, the Department of Medicine and Surgery and the Experimental Zooprophyllactic Institute of Umbria and Marche "Togo Rosati".

MSCs are one of the most fascinating topics in modern medicine. Their potential therapeutic applications range from regenerative medicine to immunotherapy and oncology and describe such a broad horizon as to arouse great expectations in the scientific world.

The meeting will highlight relevant advances in basic and translational MSC research in human and veterinary medicine.

A "One Health" session will focus on the application and outcomes of osteoarthritis in human and veterinary medicine. The other sessions will address important issues and technological advances related to MSC-based therapies, extracellular vesicles and MSC engineering.

The meeting will also include discussions on critical aspects of biomedical communication and the valorisation of research, and a "Next Generation Session" organized by young scientists.

A faculty of national and international experts and renowned speakers will provide exciting and inspiring debates as part of the challenging scientific programme.

To encourage the participation of the youngest members of our community, GISM will assign three "Young Investigator Awards" to the first author of a poster presented.

We look forward to meeting you in Perugia

*Sincerely, the GISM President
and the local organizing committee*

Augusto Pessina, Luisa Pascucci, Rita Romani, Valentina Grespi, Giulio Severi

THURSDAY, MAY 8, 2025

12.00 Registration

14.00 Welcome and opening of the meeting

COMUNICARE LA SCIENZA BIOMEDICA

Chair: **Augusto Pessina (Milano, Italy)**

14.30 Sul pubblicare in medicina: impact factor, open access, peer review, predatory journals e altre creature misteriose
Luca De Fiore (Roma, Italy)

14.50 Life Skills: linguaggio e relazione nella comunicazione scientifica
Nicola Donti (Perugia, Italy)

15.10 Discussione

16.00 *Coffee break*

GISM NEXT GENERATION

Chairs: **Filippo Piccinini (Bologna-Meldola, Italy), Federico Divincenzo (Torino)**

16.30 Introduction and description
"GISM Next-Generation Contest 2024/2025"

16.40 Presentation by the Grant Winner: integrating bioprinting and engineering design to manufacture innovative medical bioactive devices
Michele Conti (Pavia, Italy)

17.00 Discussion with **Michele Conti (Pavia, Italy)**

17.10 **PRESENTATION 3° WINNER**
Extracellular vesicles from mesenchymal umbilical cord cells exert protection against oxidative stress and fibrosis in a rat model of bronchopulmonary dysplasia
Paola Bisaccia (Padova, Italy)

17.20 **PRESENTATION 2° WINNER**
Label-free live characterization of mesenchymal stem cell spheroids by biophysical properties measurement
Pasquale Marrazzo (Bologna, Italy)

17.30 **PRESENTATION 1° WINNER**
3D bioprinted scaffolds containing mesenchymal stem/stromal lyosecretome: next generation controlled release device for bone regenerative medicine
Elia Bari (Novara, Italy)

17.40 Discussion with the winners
"GISM Next-Generation"

18.00 Assemblea Soci

20.00 Social Dinner

FRIDAY, MAY 9, 2025

DEVELOPING MSC-BASED THERAPIES: FROM PREDICTIVE PRECLINICAL MODELS TO CLINICAL PRODUCT DESIGN

Chairs: **Katia Mareschi (Torino, Italy), Michela Pozzobon (Padua, Italy), Marina Torre (Novara, Italy)**

09.00 The rationale behind xenogenic MSC-based treatment
Almudena Pradera (Madrid, Spain)

09.20 3D in vitro models for musculoskeletal diseases simulation
Lia Rimondini (Novara, Italy)

09.40 A physics perspective to unravel tumor response using 2D and 3D models
Giorgio Scita (Milano, Italy)

10.00 Monitoring and control of disinfection activities through AMIL link technology: results of a multicenter study and adoption strategies
Matteo Longo (AMIL Care Italia SRL, Italy)

10.10 Discussion

10.25 *Coffee break*

ONE HEALTH SESSION

MSCs IN OSTEOARTHRITIS: WHAT ARE THE RESULTS?

Chairs: **Ana Ivanovska (Galway, Ireland), Stefano Grolli (Parma, Italy)**

10.50 Measuring treatment outcomes in canine OA treated with regenerative medicine
Andrew Armitage (Melrose, UK)

11.10 Patient profiling for point-of-care cell-based therapy products for the treatment of knee osteoarthritis
Laura Mangiavini, (Milano, Italy)

- 11.30 Cellular Therapy for Osteoarthritis: Reality or Unreality?
Frank Barry (Galway, Ireland)
- 11.50 Donor sites and harvesting techniques affect miRNA cargos of extracellular vesicles of extracellular vesicles released by human adipose-derived mesenchymal stromal cells
Michela Taiana (Milano, Italy)
- 12.00 Treating keratoconjunctivitis sicca with canine mesenchymal stromal cells
Kristina Dojchinovska (Perugia, Italy)
- 12.10 Mesenchymal stem cell secretome and its evaluation in the treatment of polycystic ovary syndrome
Alessia Ventura (Roma, Italy)
- 12.20 Discussion
- 12.35 *Lunch*
- 13.30 Poster Session

FROM MSCs TO EXTRACELLULAR VESICLES

Chairs: **Milena Mastrogiacomo (Genova, Italy), Enrico Ragni (Milano, Italy)**

- 14.30 Achieving purity in MSC-derived EVs: a step-by-step sorting protocol
Daniela Boselli (Milano, Italy)
- 14.50 Therapeutic application of clinical grade extracellular vesicles secreted by iPSC-derived mesenchymal stromal cells (iMSC)
Chiara Gentili (Genova, Italy)
- 15.10 Nanoparticles: scalability and reproducibility from the bench to the bedside - an izon approach
Stephane Mazlan (IZON SCIENCE, France)
- 15.20 Sizing up your EVs with fluorescence: the NTA and SP-IRIS technologies
Marco Lorenzi (Alfatest, Italy)
- 15.30 Good manufacturing practice-derived human liver stem cells extracellular vesicles attenuate in vivo liver fibrosis
Elena Ceccotti (Torino, Italy)
- 15.40 Discussion

MSCs MANIPULATION/ ENGINEERING

Chairs: **Ivana Ferrero (Torino, Italy), Enrico Lucarelli (Bologna, Italy)**

- 16.00 Priming strategies to enhance the therapeutic capabilities of mesenchymal stromal/stem cells: potential implications for their clinical use**
Vitale Miceli (Palermo, Italy)
- 16.20 Naive or bioengineered mesenchymal stem/stromal cells for potential cancer therapy applications: the importance of culture conditions.**
Francesco Agostini (Aviano, Italy)
- 16.40 Treatment of aneurysmal bone cysts with bone marrow concentrate: a case series**
Lorenzo Andreani (Pisa, Italy)
- 16.50 Mesenchymal stem cells mediated modulation of the metastatic microenvironment in pancreatic cancer: a step forward clinical translation**
Paolo Riccardo Camisa (Milano, Italy)
- 17.00 SDH-deficient GIST modelling through genomeedited IPSP-derived mesenchymal stem cells**
Ilenia Motta (Bologna, Italy)
- 17.10 Discussion**
- 17.25 Poster Award**
- 17.40 Conclusions**

GISM BOARD

President: Augusto Pessina

Vice-President: Enrico Lucarelli

Secretary: Ivana Ferrero

Treasurer: Marina Torre

Members: Laura De Girolamo; Silvia Dotti; Milena Mastrogiacomo; Luisa Pascucci; Filippo Piccinini; Michela Pozzobon; Antonietta Silini

LOCAL ORGANIZING COMMITTEE

**Luisa Pascucci, Rita Romani, Valentina Grespi,
Gabriele Scattini, Giulio Severi**

CALL FOR ABSTRACTS

By submitting an abstract you accept to share your work either as a poster or oral presentation. The Scientific Committee will designate the format (oral or poster).

The final acceptance decision is the exclusive right of the Scientific Committee.

ABSTRACT SUBMISSION WILL OPEN ON 10 DECEMBER! DON'T MISS THE CHANCE TO SHARE YOUR RESEARCH STUDIES. DEADLINE: MARCH 7, 2025

Abstracts must adequately describe the objectives and results. Originality, study quality and completeness of the work will be evaluated. Submit online your abstracts, please [click here](#).

- Language: English.
- Font: Times New Roman, 12 points font size, single spaced, justified text.
- Characters Limit: The abstract must not exceed 2500 characters, including spaces. (this must be applied to the main body of the abstract only. Title and authors are excluded). References should not be included in the abstract. Use of standard abbreviations is desirable.
- Title (Bold style): E.g.: An update on MSC...
To take part in the Young Investigator Award, put the acronym YIA within brackets before the first word of your abstract title. See further information in the dedicated section.
- Author/s names and surnames (Regular style): E.g.: Mario Rossi, Carla Bianchi, ... Affiliation (Regular style): E.g. University of..., Laboratory of ...,
- Text: Originality, study quality and completeness of the work will be evaluated. The abstract should be divided into 4 paragraphs:
 1. **OBJECTIVE:** indicate primary purpose of study.
 2. **MATERIALS AND METHODS:** description of data sources, subjects, design measurements and data analysis.
 3. **RESULTS:** summary of the main findings.
 4. **CONCLUSIONS:** study conclusions and/or implication of the results.
- Abbreviations in the title will not be accepted. If used throughout the text, abbreviations must be indicated in their extended version the first time they are used. Please do not include images, tables or attachments.

YOUNG INVESTIGATOR AWARDS

GISM will assign three “**Young Investigator Awards**” of 500 Euro each and a one additional award sponsored by ECVNA, partner journal of GISM congress 2025. To this aim, the abstracts will be evaluated and scored by a panel of referees according to their novelty and significance.

In order to be eligible to win, the first author of a paper must be younger of 35 on APRIL 30,2025.

The awards will be delivered to the winner during the Award Ceremony. As collection on behalf of the designated winner is not allowed, the unavailability to personally collect the award will cause disqualification from the competition.

GISM NEXT GENERATION – CONTEST 2025

Call for Abstract

The winners will be awarded and will be a speaker at GISM2025!

Introduction:

The speakers of the “GISM Next Generation - Section”, within the framework of the conference “GISM 2025” (Perugia, Italy, 8-9/05/2025, www.gismonline.it), will be selected thanks to the “GISM Next Generation – Contest 2025”.

Award:

There will be 3 winners. They will be awarded with the “GISM Next Generation – Contest 2025 – Award”, which consists of a printed certificate, free registration to “GISM 2025”, and an invitation for an oral communication Thursday, May 8, 2025 (approximately, 10 minutes of presentation and 5 minutes of questions). The other “GISM Next Generation – Contest 2025” participants will be eligible for future webinars.

Rules:

Candidates must be researchers “under 40” (precisely born not earlier than 01/01/1984). They must submit an abstract of a relevant scientific article in the field of mesenchymal stem cells. Eligible abstracts must be related to scientific articles published in the last 4 years (from 2021 fully included). Works currently only submitted or under review are not eligible. The candidate must be First Author, or co-First Author, or Last Author, or co-Last Author, or Corresponding Author or co-Corresponding Author, of the scientific article. Each candidate can submit only one abstract, but can be an author of other abstracts submitted by other researchers.

Evaluation:

The abstracts will be evaluated by a panel of Referees (selected by the GISM Scientific Committee), according to their novelty and significance. The final acceptance decision is the exclusive right of the Scientific Committee, such as the definition of the 3 winners of the “GISM Next Generation – Contest

2025”.

Instructions:

The “GISM Next Generation – Contest 2025” is organised in 3 steps:

- **First step: abstract submission; Deadline February 1st, 2025:** The submission of abstracts is free of charge and does not require membership of the GISM society.
- **Second step: winners announcement; Deadline February 20th, 2025:** The winners and all the other candidates will be notified by email.
- **Third step: oral presentation Thursday, May 8, 2025 at “GISM 2025”:** Winners must be present in person to obtain the “GISM Next Generation – Contest 2025 – Award”.

Disclosure:

The abstracts and the material collected during the “GISM Next Generation – Contest 2025” will be made public on the GISM’s websites, LinkedIn pages, YouTube channels and other media. By submitting an abstract, the authors accept to publicly share their material and then their work.

How to prepare the abstract:

Please, follow these instructions:

- **Language:** English.
- **Font:** Times New Roman; **Font-size:** 12 points; **Text alignment:** single-spaced, justified text.
- **Title:** It must be a precise copy of the one of the related scientific article.
- **Report the Author/s names and surnames** in this format: Mario Rossi, Carla Bianchi, etc. They must be the same authors of the same related scientific article.
- **Report the Author/s affiliations.**
- **Abstract:** It must be a precise copy of the one of the related scientific article.
- **Report the name of the scientific journal** where the abstract and related scientific article have been published, together with year of publication.
- **Report the day of birth of the candidate.**
- **Report the email of the candidate** to be used for communications.
- **Curriculum Vitae (CV):** a brief biosketch reporting a personal statement, position, main scientific appointments and honours (minimum 100 words, maximum 250 words).

Abstract submission:

Save the Abstract and all the other info in a single Word/Writer/txt file with the following name: GISM-NGContest25_firstName_firstSurname of the candidate (e.g. GISM-NGContest25_Mario_Rossi.doc). The Abstract must be submitted to: gism.informazioni@gmail.com (please, check to receive an email confirming the receipt of submission).

EARLY REGISTRATION: APRIL 7, 2025

REGISTRATION FEES

	UP TO April 7, 2025	From April 8, 2025
GISM MEMBERS	170 €	220 €
NOT MEMBERS*	220 €	270 €
STUDENTS*	120 €	150 €
ONE DAY ONLY*	120 €	120 €

*Congress registration includes GISM membership fee

8/5/2025 SOCIAL DINNER FEE € 25,00 (NON REFUNDABLE)

In order to obtain reimbursement of delegate registration, all cancellations must be submitted in writing to the Congress Secretariat via email to: info@bleassociates.it

- Cancellations received in writing by April 7, 2025 will be refunded, with an administrative fee of € 80,00.
- Cancellations received in writing after April 7, 2025, will not be refunded, other than exceptional circumstances to be reviewed and agreed by the organizing committee.

PAYMENT BY BANK TRANSFER

Bank transfer payable to Gruppo Italiano Staminali Mesenchimali

REF.: Gism meeting, May 8 - 9, 2025

Bank account: 130961,

Bank: INTESA SANPAOLO SPA, FILIALE ACCENTRATA TERZO SETTORE

IBAN: IT62T0306909606100000130961

FOR REGISTRATION

[CLICK HERE](#) to download the attendance form

Please send the attendance form and a proof of the payment by email to info@bleassociates.it

GENERAL INFORMATIONS

The Congress will take place in the halls of the Monumental Complex of San Pietro (Borgo XX Giugno, 74 – 06121 Perugia), a Benedictine Abbey founded in 966 by Abbot Pietro and standing on the site where the ancient cathedral stood in the 6th century, in a sacred Etruscan-Roman area. The floor plan of the three-nave basilica dates back to the 10th century.

Frescoes from the 14th century have been preserved on the façade, including a rare three-faced Trinity. Inside, there are columns with Ionic capitals, a gilded coffered ceiling and numerous paintings and sculptures from the 15th to 19th centuries, including works by Perugino.

The complex, now managed by the Foundation for Agricultural Education, consists of 3 cloisters leading to the botanical garden and the mediaeval garden, the gallery of art treasures, the library and the archive, where books, codices and old manuscripts are kept.

The Foundation takes care of the maintenance and conservation of the monumental part of the San Pietro complex that houses the facilities of the Department of Agricultural, Food and Environmental Sciences of the University of Perugia.

The Congress will be held in the Aula Magna for the oral sessions and in two cloisters, which will house the poster sessions, sponsor stands and catering.

FOUNDATION FOR AGRICULTURAL EDUCATION IN PERUGIA (FIA)

Heir to the artistic and land heritage of the Benedictine community of San Pietro, as the owner of an area of 1,900 hectares the Foundation promotes innovation, quality and sustainability, and is committed to the development of agriculture with a low environmental impact.

Where the Benedictine monks practised the knowledge of cultivation, today the farm extends, nestled in the green heart of Umbria, between the hills and valleys of the municipalities of Deruta and Marsciano.

The Foundation offers a wide range of products, all certified by our commitment to quality and sustainability. The products can be purchased in our shop in the Monumental Complex of San Pietro.

HOW TO REACH THE CONGRESS VENUE

By car from Rome and Cesena:

Take the E45 to Perugia-Ponte San Giovanni, take the Perugia-Bettolle motorway junction towards Perugia-Florence, take the Perugia-Piscille exit and follow Via Assisana until the first roundabout, from where you take Via San Costanzo or Via Romana towards Viale Roma or Borgo XX Giugno, where you will find parking spaces. There are a limited number of parking spaces near the congress centre.

By car from Florence:

On the A1 motorway, take the Vadichiana exit and follow the Perugia-Bettolle exit towards Perugia. Take the Perugia-Prepo exit and follow Via Sicilia, Via della Pallotta until you reach a roundabout where you take Via San Costanzo or Via Romana towards Viale Roma or Borgo XX Giugno, where you will find a car park. There are a limited number of parking spaces near the congress centre.

Recommended car parks:

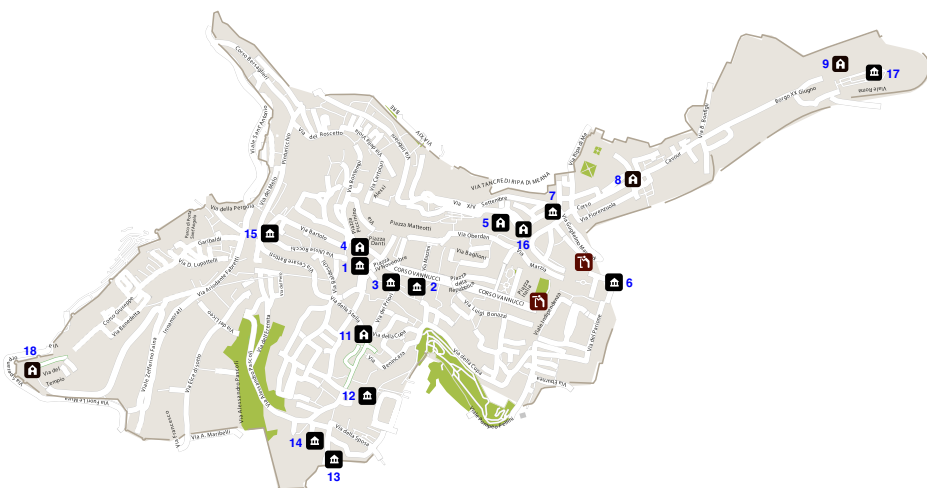
Paid car park Saba Piazza Partigiani (follow the signs to Piazza Partigiani from Viale Roma - the Congress is within walking distance); Paid car park Piazzale Europa (follow the signs to Piazzale Europa from Viale Roma – the Congress is within walking distance); Free parking 3000 parking spaces at the Minimetrò Terminal, which you can reach from the Perugia-Madonna Alta exit from both the Rome and Florence directions. Take the Minimetrò to the terminus in the historic centre (Pincetto stop) and reach the Congress by foot in 15 minutes.

By train:

Trains from Rome and Florence all arrive at Perugia-Fontivegge station. From there, take line G to the Viale Roma stop and continue on foot for 3 minutes, following the signs for San Pietro. Alternatively, take the Minimetrò to the terminus in the historic centre (Pincetto stop) and reach the congress on foot in 15 minutes.

By plane:

From San Francesco d'Assisi International Airport, the Airlink shuttle service connects the airport with Perugia-Fontivegge railway station, from where you can take the G bus to the Congress, and with the historic centre, from where you can reach the Congress on foot in 10-15 minutes.



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|---|--------------------------------------|----|----------------------------------|
| 1 | Fontana Maggiore | 10 | Monastero S.ta Giuliana |
| 2 | Palazzo dei Priori | 11 | Chiesa di San Filippo Neri |
| 3 | Sala dei Notari | 12 | Torre degli Sciri |
| 4 | Cattedrale di San Lorenzo | 13 | Oratorio di San Bernardino |
| 5 | Ex Chiesa S.Maria della Misericordia | 14 | Chiesa di San Francesco al Prato |
| 6 | Rocca Paolina | 15 | Arco Etrusco |
| 7 | I Tre Archi | 16 | Chiesa di Sant'Ercolano |
| 8 | Basilica San Domenico | 17 | Giardini del Frontone |
| 9 | Basilica San Pietro | 18 | Tempio di Porta Sant'Angelo |

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Con il contributo non condizionante di:



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