



StemNet

GISM is a member of STEMNET
(Federation of Associations
on Stem Cell Research)

**2022
GISM**

Annual meeting

Preliminary
program

**October
20-21
2022**

TORINO STARHOTEL MAJESTIC
C.so Vittorio Emanuele II, 54



**UNIVERSITÀ
DEGLI STUDI
DI TORINO**



SCIENTIFIC COMMITTEE

Anna Brini University of Milan,

IRCCS Galeazzi Orthopedic Institute, Milan

Laura de Girolamo IRCCS Galeazzi Orthopedic Institute, Milan

Maurizio Del Bue Parma

Silvia Dotti Istituto Zooprofilattico Sperimentale della
Lombardia e dell'Emilia Romagna, Brescia

Ivana Ferrero City of Health and Science, Turin

Stefano Grolli University of Parma

Andrea Grosso Basel University Hospital

Ana Ivanovska National University of Ireland, Galway

Enrico Lucarelli IRCCS Rizzoli Orthopedic institute, Bologna

Katia Mareschi University of Turin

Milena Mastrogiacono University of Genoa

Maurizio Muraca University of Padua

Luisa Pascucci University of Perugia

Carlotta Perucca Orfei IRCCS Galeazzi Orthopedic Institute, Milan

Augusto Pessina University of Milan

Filippo Piccinini University of Bologna

Maria Luisa Torre University of Pavia

LOCAL ORGANIZING COMMITTEE

Franca Fagioli City of Health and Science, Turin
University of Turin

Ivana Ferrero City of Health and Science, Turin

Katia Mareschi University of Turin

A microscopic view of several cells in a petri dish, with a yellow diagonal overlay on the right side. The cells are blue and spherical, and the background is dark blue.

Paola Bagnoli, Milan
Laura Barrachina Porcar, Galway (Ireland)
Domenico Bergero, Turin
Stefania Bruno, Turin
Giovanni Camussi, Turin
Stefano Cosma, Modena
Roisin Dwyer, Galway (Ireland)
Franca Fagioli, Turin
Angelo Ferrari, Turin
Ivana Ferrero, Turin
Stefano Giannotti, Siena
Andrea Grosso, Basel (Switzerland)
Maria Harmati, Szeged (Hungary)
Andrew M. Hoffman, Grafton-Massachusetts (USA)
Ana Ivanovska, Galway (Ireland)
Enrico Lucarelli, Bologna
Katia Mareschi, Turin
Milena Mastrogiacomo, Genoa
Matteo Moretti, Milan
Maurizio Muraca, Padua
Paola Occhetta, Milan
Andrea Papait, Rome
Graziella Pellegrini, Modena
Carlotta Perucca Orfei, Milan
Augusto Pessina, Milan
Filippo Piccinini, Bologna
Alessandro Rolfo, Turin
Daniela Taverna, Turin

FACULTY

2022
GISM

Annual meeting

Thursday
October 20

2022
GISM
Annual meeting

12.00 Registration

14.00 Welcome and opening of the meeting
**Augusto Pessina, Franca Fagioli,
Domenico Bergero, Ivana Ferrero**



SESSION I

**BRINGING ADVANCED THERAPIES TO
THE CLINIC: TRENDS & STRATEGIES**

CHAIR: **Milena Mastrogiacomo, Ivana Ferrero**

14.30 Bridging the gap in medical research on
Advanced Therapy Medicinal Products:
a biological, regulatory and medical experience
Graziella Pellegrini

14.50 Bridging the funding gap in medical research
in Advanced Therapy Medicinal Products:
a fair measurement of value creation
Stefano Cosma

15.10 My experience with MSCs in orthopedics:
past, present and future
Stefano Giannotti (AOU Senese)

15.20 Oral cavity MSC phenotyping for regenerative
medicine applications
Ilaria Roato (University of Turin)

15.30 Selected communication

15.40 ***Discussion***

- 16.10 Coffee break
- 16.10 **Poster session**



SESSION II
GISM-NEXT GENERATION

CHAIR: **Carlotta Perucca Orfei, Andrea Grosso**

- 17.00 **Scientific articles: how to choose the right journal taking advantage of some opportunities**
Filippo Piccinini
- 17.15 **Technology transfer and intellectual property: let's talk to an expert**
Paola Bagnoli
- 17.30 **When ideas face reality: grants and funding sources for MSC-related research**
Paola Occhetta
- Round table between researchers from different institutions**
- 18.00 ***GISM members assembly***
- 20.00 Welcome dinner

2022 GISM

Annual meeting

Friday
October 21

2022
GISM
Annual meeting



SESSION III

NEW TECHNOLOGIES FOR 3D CULTURE SYSTEMS

CHAIR: **Katia Mareschi, Alessandro Rolfo**

- 9.00 Recapitulating musculoskeletal tissue complexity through microfluidic and bio-fabricated 3D models **Matteo Moretti**
- 9.20 Extracellular vesicle-mediated communication routes in 3D models **Maria Harmati**
- 9.40 Demonstrating method suitability for a rapid microbial detection method applicable to biological products **Lucia Ceresa** (Microbial Solution, Charles River)
- 9.50 Selected communication
- 10.00 **Discussion**
- 10.30 Coffee break



SESSION IV

THERAPEUTIC APPLICATIONS OF MSC-EVs
IN VETERINARY AND HUMAN MEDICINE

CHAIR: **Maurizio Muraca, Giovanni Camussi**

- 11.00 Translational lab-to-clinic hurdles in therapy with MSC-EVs **Stefania Bruno**
- 11.20 Celector®, an instrument for quality control and standardization of ATMPs **Silvia Zia** (Stem Sel srl)
- 11.30 **Discussion**
- 11.40 Selected Poster
- 11.50 Selected Poster
- 12.00 Selected Poster
- 12.10 **Discussion**
- 12.20 **POSTER SESSION**

- 13.00 Lunch
14.00 **Stem cell and EV trials in companion animals** **Andrew M. Hoffman**
14.20 **Discussion**



SESSION V

**ADVANCING MSC THERAPIES IN VETERINARY MEDICINE:
PRESENT CHALLENGES AND FUTURE PERSPECTIVES**

CHAIR: **Ana Ivanovska, Angelo Ferrari**

- 14.30 **Instruments and reagents: latest proposal in stem cell analysis**
Tommaso Rondelli (Beckman Coulter)
14.40 **Mesenchymal stem cells and immune properties: what have we
learned for their allogeneic applications** **Laura Barrachina Porcar**
15.10 **Selected communication**
15.20 **Selected communication**
15.30 **Discussion**



SESSION VI

MSCs: A DOUBLE-EDGED SWORD: FRIEND OR FOE IN ONCOLOGY?

CHAIR: **Daniela Taverna, Enrico Lucarelli**

- 16.00 **MSC-EVs as delivery vehicles for tumour targeted therapy** **Roisin Dwyer**
16.20 **MSCs as immunoregulators in the tumour microenvironment**
Andrea Papait
16.40 **Reagents to speed up molecular diagnostics**
Dario Foglietta (Cyanagen)
16.50 **Selected communication**
17.00 **Discussion**
17.30 **Poster Award**
17.45 **Conclusion and closing** **Augusto Pessina, Ivana Ferrero**

2022
GISM
Annual meeting



GENERAL INFORMATIONS

CALL FOR ABSTRACTS September 1st, 2022

By submitting your research abstract you accept that your work will be shared either as a speech or as a poster.

The Scientific Committee reserves the right to choose the abstract format (oral or poster). The Abstracts will be evaluated and scored by a panel of

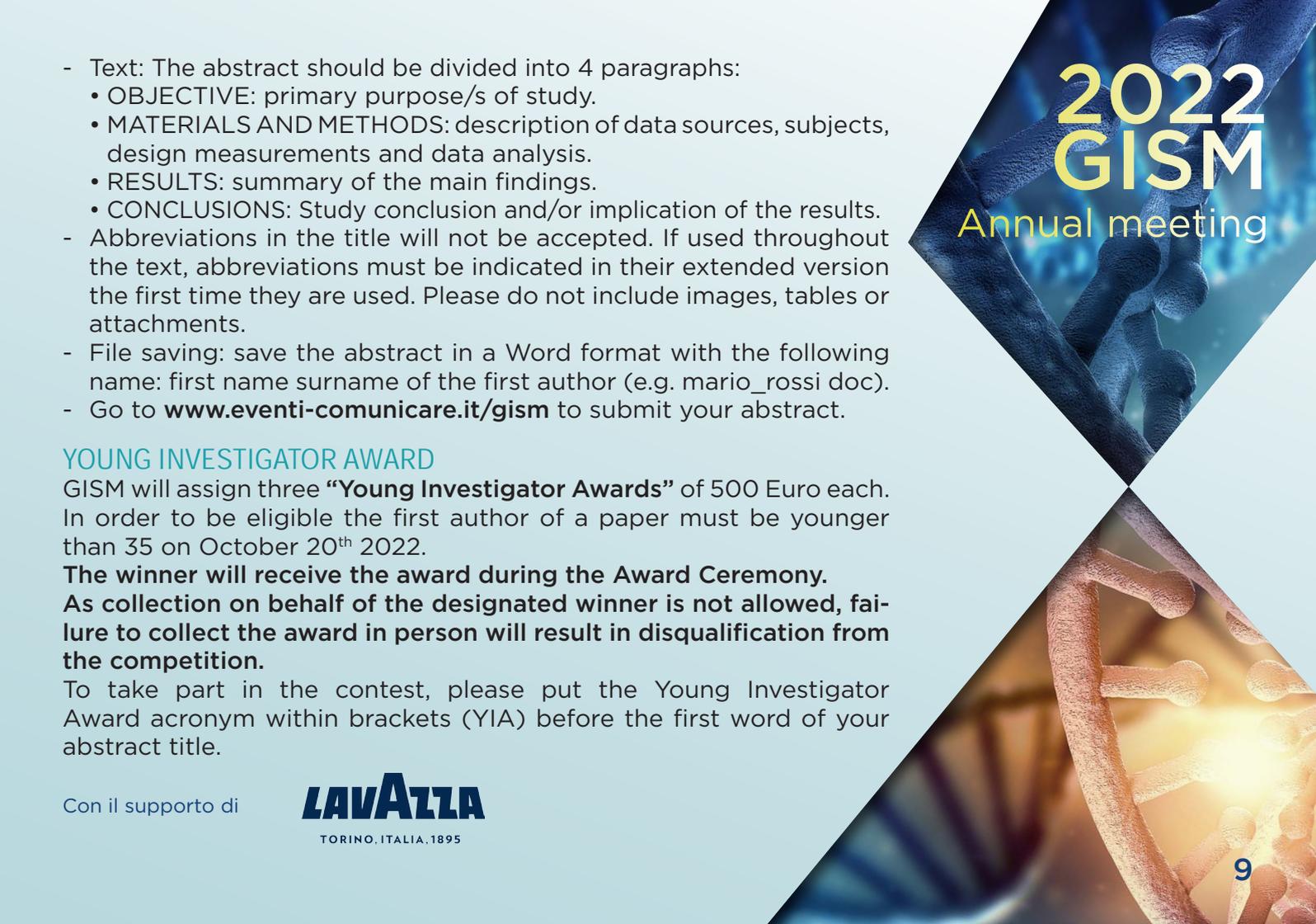
Referees (selected by the Scientific Committee) based on their novelty and significance.

ABSTRACT SUBMISSION GUIDELINES

Abstracts must adequately describe the objectives and results. Originality, study quality and completeness of the work will be evaluated.

- 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 applies 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 preferred.
- Author/s names and surnames should be formatted in regular style: E.g.: Mario Rossi, Carla Bianchi, ...Affiliation (Regular style): E.g.: University of..., Laboratory of ...,

2022
GISM
Annual meeting



2022 GISM Annual meeting

- Text: The abstract should be divided into 4 paragraphs:
 - OBJECTIVE: primary purpose/s of study.
 - MATERIALS AND METHODS: description of data sources, subjects, design measurements and data analysis.
 - RESULTS: summary of the main findings.
 - CONCLUSIONS: Study conclusion 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.
- File saving: save the abstract in a Word format with the following name: first name surname of the first author (e.g. mario_rossi doc).
- Go to **www.eventi-comunicare.it/gism** to submit your abstract.

YOUNG INVESTIGATOR AWARD

GISM will assign three “**Young Investigator Awards**” of 500 Euro each. In order to be eligible the first author of a paper must be younger than 35 on October 20th 2022.

The winner will receive the award during the Award Ceremony.

As collection on behalf of the designated winner is not allowed, failure to collect the award in person will result in disqualification from the competition.

To take part in the contest, please put the Young Investigator Award acronym within brackets (YIA) before the first word of your abstract title.

Con il supporto di

LAVAZZA
TORINO, ITALIA, 1895

IMPORTANT DEADLINES

ABSTRACT SUBMISSION: September 1st, 2022

EARLY REGISTRATION: September 20th, 2022

REGISTRATION FEES

	UP TO Sept. 20 th	FROM Sept. 20 th
GISM MEMBERS	170 Euro	220 Euro
NOT MEMBERS	220 Euro	270 Euro
STUDENTS	120 Euro	150 Euro
ONE DAY ONLY	120 Euro	120 Euro

FOR REGISTRATION

Go to: www.eventi-comunicare.it/gism

fill out the attendance form and upload the PDF with a proof of the payment.

OFFICIAL LANGUAGE

English.



2022 GISM

Annual meeting

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Annual meeting





Organizing Secretariat:
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www.eventi-comunicare.it