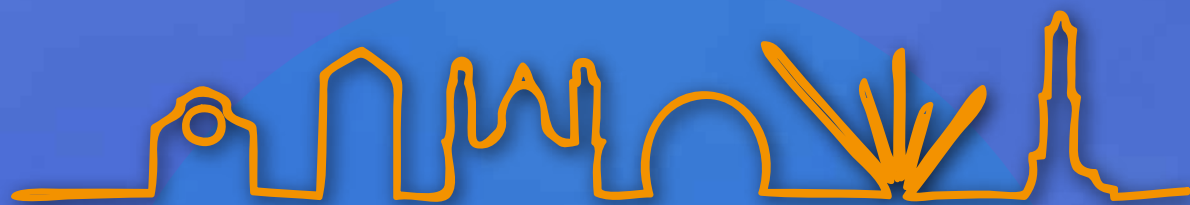


Gruppo Italiano Staminali Mesenchimali



2019 GISM Annual Meeting GENOVA 4 - 5 April

Centro Congressi IST Nord - Ospedale Policlinico San Martino

RESEARCH CHALLENGES FOR CLINICAL APPLICATION OF MSCs

Under the Patronage of



Università degli Studi di Genova
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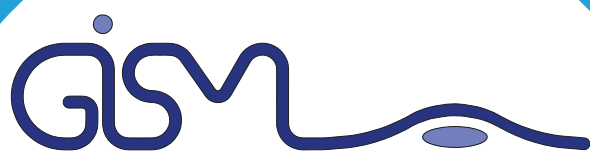
OSPEDALE POLICLINICO SAN MARTINO
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Gruppo Italiano Staminali Mesenchimali

2019 GISM Annual Meeting
GENOVA 4 - 5 April

**RESEARCH CHALLENGES FOR
CLINICAL APPLICATION OF MSCs**



ITALIAN MESENCHYMAL STEM CELL GROUP

The Italian Mesenchymal Stem Cell Group (GISM) was formed in October 2014 by 53 founding members, most of whom are researchers from the most important Italian universities and research associations. At present, GISM includes several honored, honorary, and supportive members. The main purpose of GISM is to promote the exchange of information between researchers working in the field of mesenchymal stem cells (MSCs), giving particular emphasis to research on the clinical applications of MSCs. The group is therefore focused on addressing the scientific community, and taking into consideration this aim, does not intend to interact with the public.

www.gismonline.it



PRESENTATION

The GSM annual meeting will take place in Genoa (Italy) on 4 and 5 April 2019 at Centro Congressi IST- NORD Ospedale Policlinico San Martino with the support of the University of Genoa, Ospedale IRCCS Policlinico San Martino and Ospedali Galliera of Genoa.

University and San Martino Hospital in Genoa were the site of the first clinical studies for skin regeneration and in particular the first study in humans using MSC for regenerate bone tissue.

In this context the GSM annual meeting meets the SIGASCOT, an important scientific orthopedics society, focusing its attention on the application of mesenchymal cells in orthopedics. Halfway between basic research and clinical practice, the congress will allow us to discuss the applications and the prospects for the use of cells in the framework of regenerative skeletal muscle medicine. A precious opportunity for surgeons to confront themselves with those who work in the laboratory every day to find alternative and more advantageous solutions for the patient and public health.

National and international speakers will present their scientific work with the aim of training the youngest researchers promoting an interactive discussion and inter-disciplinary collaboration.

Welcome in Genova!

LOCAL ORGANIZING COMMITTEE

Milena **Mastrogiamomo** Università degli Studi di Genova
 Chiara **Gentili** Università degli Studi di Genova
 Gilberto **Filaci** Università degli Studi di Genova
 Claudio **Mazzola** Ortopedia, Ospedale Galliera, Genova
 Matteo **Formica** Università degli Studi di Genova
 Laura **de Girolamo** IRCCS Istituto Ortopedico Galeazzi, Milano

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 Mara **Riminucci** Università Sapienza, Roma
 Federico **Santolini** IRCCS Ospedale Policlinico San Martino, Genova
 Romain **Seil** Centre Hospitalier de Luxembourg, LU
 Paolo **Strada** IRCCS Ospedale Policlinico San Martino, Genova
 Antonio **Uccelli** Università degli Studi di Genova, IRCCS Ospedale Policlinico San Martino, Genova
 Michele **Ulivi** IRCCS Istituto Ortopedico Galeazzi, Milano
 Stefano **Zaffagnini** IRCCS Istituto Ortopedico Rizzoli, Bologna

PROGRAMME

Thursday, April 4

09.00 - 10.30
10.30 - 11.30

REGISTRATION
MEETING OPENING
M. Mastrogiacomo **Local Organizer**
A. Pessina **GISM President**

Invited Authorities:

P. Comanducci **Rettore Università di Genova**
G. Ucci **Direttore del IRCCS Policlinico San Martino, Genova**
M. Rosso **Presidente Commissione Sanità Regione Liguria, Genova**
M. Sambuceti **Direttore della Scuola di Medicina, Università di Genova**
A. Balestrero **Direttore DIMI, Università di Genova**

11.30 - 13.00

SESSION 1: MSCs IN NEURODEGENERATIVE DISEASES

Chairs: M. Mastrogiacomo (Genova), Augusto Pessina (Milano)

11.30 - 12.00

Lectio Magistralis:
Mesenchymal stem cells for the treatment of neurodegenerative diseases
Antonio Uccelli (Genova)

12.00 - 12.15

Advanced technology for research in neurodegenerative diseases
Alessia Cedola (Roma)

FREE COMMUNICATIONS

12.15 - 12.25

Advanced Cell Classifier, an open-source machine-learning tool useful for mesenchymal stem cell classification **Filippo Piccinini (Meldola)**

12.25 - 12.35

Sympathetic neurotransmitters promote adipogenic differentiation of mesenchymal stromal cells in arrhythmogenic cardiomyopathy **Cristina Liboni (Padova)**

12.35 - 13.00

Discussion

13.00 - 14.00

Lunch Symposium

Brought by



3D Bioprinting – bringing stem cell research to the next level **Jim Engström (Sweden)**



Automated manufacturing of advanced therapies medicinal products for osteoarthritis **Francesco Curcio (Udine)**



Improving reproducibility in MSC culture **Nadine Mellies (Germany)**



14.00 - 15.35

SESSION 2: MSCs MANUFACTURING FOR CLINICAL APPLICATION

Chairs: Ivana Ferrero (Torino), Chiara Gentili (Genova)

14.00 - 14.30

Lectio Magistralis:

Clinical applications of MSCs: evidence, mechanism and production

Frank Barry (Galway-Ireland)

14.30 - 14.45

Skeletal stem cells and the bone marrow microenvironment

Mara Riminucci (Roma)

FREE COMMUNICATIONS

14.45 - 14.55

A novel xeno-free system for production of clinical grade MSC-secretome

M. Elisabetta Palamà (Genova)

14.55 - 15.05

A new method of endometrial mesenchymal stem cell isolation and expansion for the infertility treatment

Elena Marini (Torino)

15.05 - 15.35

Discussion

15.35 - 16.35

Coffee Break – **POSTER SESSION**



16.40 - 18.00

SESSION 3: MSCs AND IMMUNOMODULATION

Chairs: Anna Brini (Milano) Maria Luisa Torre (Pavia)

16.40 - 16.55

MSCs, extracellular microvesicles and immunomodulation

Annalisa Adamo, Mauro Krampera (Verona)

16.55 - 17.10

Novel pathways of interaction between the stromal microenvironment and the immune system: role of MSCs

Roberto Lemoli (Genova)

FREE COMMUNICATIONS

17.10 - 17.20

Adipose tissue secretome as an innovative regenerative approach for vitiligo treatment **Barbara Bellei (Roma)**

17.20 - 17.30

Annexin V binding modulates the response of macrophages to mesenchymal stromal cell-derived extracellular vesicles **Michele Grassi (Padova)**

17.30 - 18.00

Discussion

18.00 - 18.40

GISM members assembly

20:30 Social event at Palazzo Ducale,
in the very heart of Genova.

**You are all invited to attend the
MSC - Music Social Cocktail Party!**



PROGRAMME

Friday, April 5

GISM meets



09.00 - 10.30

SESSION 4: REGENERATIVE MEDICINE IN ORTHOPAEDICS

Chairs: Matteo Formica (Genova), Claudio Mazzola (Genova)

09.00 - 09.30

Lectio Magistralis:

Can we use MSCs to re-engineer developmental processes?

Ivan Martin (Basel, Switzerland)

09.30 - 09.45

The biology of MSCs: what stem cells can do for us?

Nicola Maffulli (Salerno)

09.45 - 10.00

MSCs in intervertebral disc regeneration

Mauro Alini (Davos, Switzerland)

FREE COMMUNICATIONS

10.00 - 10.10

Bone marrow concentrate in treatment of early lumbar degenerative diseases

Stefano Rigotti (Venezia)

10.10 - 10.20

ADSCs vs PRP in patients with knee OA: preliminary results of randomized controlled trial

Alessandro Di Martino, Stefano Zaffagnini (Bologna)

10.20 - 10.50

Discussion

10.50 - 11.20

Coffee Break

11.20 - 11.50

SESSION 5: TECHNOLOGY SESSION

Chairs: Laura de Girolamo (Milano), Federico Santolini (Genova)

Brought by



Marrow Celution: the smartest way to concentrate bone marrow **Marco Viganò (Milano)**



GMP-compliant expansion of MSCs using the CliniMACS Prodigy **Claudia Maldini (Bologna)**



The immune-centric revolution **Laura Rehak (Roma)**



Large scale manufacturing of a full GMP-compliant EMA approved autologous cartilage substitute **Marco Fadda (Ravenna)**

11.55 - 13.15

SESSION 6: MSCs IN CONNECTIVE TISSUE REGENERATION

Chairs: Luisa Pascucci (Perugia), Giuseppe Peretti (Milano)

11.55 - 12.10

The role of MSCs in tendon-related pathologies

Umile Giuseppe Longo (Roma)

12.10 - 12.25

Microfragmented adipose tissue in rotator cuff repair

Pietro Randelli (Milano)



FREE COMMUNICATIONS

12.25 - 12.35

Innovative therapies for treating experimental skin wounds in Veterinary Medicine
Luca Melotti (Padova)

12.35 - 12.45

Umbilical cord stem cells and pulsed electromagnetic fields are potential tools for tendon repair
Antongiulio Marmotti (Torino)

12.45 - 13.15

Round Table: ask the experts
Chairs: Ranieri Cancedda (Genova), Rocco Papalia (Roma)

13.15 - 14.15

Lunch

14.15 - 16.15

SESSION 7: MSCs IN DEGENERATIVE JOINT DISEASES
Chairs: Lamberto Felli (Genova), Paolo Strada (Genova)

14.15 - 14.30

MSCs in degenerative joint disease
Elizaveta Kon (Milano)

14.30 - 14.45

Expanded BMSCs in treatment of OA
Xavier Peirau (Barcelona, Spain)

14.45 - 15.00

Microfragmented adipose tissue for knee OA
Valentina Meroni, Michele Ulivi (Milano)

FREE COMMUNICATIONS

15.00 - 15.10

Treatment of biological reconstruction with AMIC arthroscopic technique of large-sized osteochondral lesions of the talus. Our 3 years experience
Valentina Rita Corbo (Milano)

15.10 - 15.20

Interaction with hyaluronan matrix and miRNA cargo as key contributors for the therapeutic potential of MSC-derived extracellular vesicles in an in vitro model of human osteoarthritic synoviocytes
Enrico Ragni (Milano)

15.20 - 15.50

Round Table: ask the experts
Chairs: Elizaveta Kon (Milano), Enrico Lucarelli (Bologna)

15.50 - 16.20

Lectio Magistralis:
The development of surgeon scientist career
Romain Seil (Luxembourg)

16.30 - 17.00

GISM HAS GOT TALENT: YOUNG INVESTIGATOR AWARDS

17.00

CLOSING REMARKS

ABSTRACTS COLLECTION

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2019 GISM Annual Meeting Registration fees

Registration fee (22% VAT included)	until March 8, 2019	after March 8, 2019
GISM Member	€ 120,00	€ 150,00
GISM Member <35 yrs	€ 70,00	€ 100,00
No GISM Member*	€ 170,00	€ 200,00
No GISM Member <35 yrs*	€ 120,00	€ 150,00
AICC or SIGASCOT Member**	€ 120,00	€ 150,00
AICC or SIGASCOT Member <35 yrs**	€ 70,00	€ 100,00
Daily fee	€ 90,00	€ 130,00
On-site registration	-	+ € 30,00

*Includes annual GISM membership fee of € 50,00

**AICC or SIGASCOT members must provide proof of their current membership status upon registration.

Online registration

Online registration is mandatory. Please use the below link to access the Registration portal by creating a new individual user profile.

<https://registration.symposiacongressi.com/Login.asp?IDcommessa=GISM19001&Lang=EN>

Payment

Registration fees must be paid via bank transfer to the following bank account:

Account holder: Gruppo Italiano Staminali Mesenchimali
 IBAN: IT09X0335901600100000130961
 BIC: SWIFT BCITITMX

Please add name of the congress and surname of the registrant (e.g.: 2019 GISM annual meeting - Surname).



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