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Sponsorship Information Currently Being Updated



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REGISTRATION FEE	
<i>Non-Members Must Add 22% To The Registration Fee</i>	
SCR members	<input type="radio"/> 250.00 €
No members	<input type="radio"/> 310.00 €
Young people* and person with no permanent position	<input type="radio"/> 190.00 €
Order of Biologists Lazio and Abruzzo Young Members**	<input type="radio"/> 0.00 €
Order of Biologists Lazio and Abruzzo Members**	<input type="radio"/> 0.00 €

ONE DAY (select a day)		
<input type="radio"/> 11	<input type="radio"/> 12	<input type="radio"/> 13
SCR members		<input type="radio"/> 130.00 €
No members		<input type="radio"/> 130.00 €
Young people* and person with no permanent position		<input type="radio"/> 110.00 €
Order of Biologists Lazio and Abruzzo Young Members**		<input type="radio"/> 0.00 €
Order of Biologists Lazio and Abruzzo Members**		<input type="radio"/> 0.00 €

* Young people are: members and no members (scholar, phd, research fellow) under 35 years old

** Only for 2 young + 2 senior members. The secretariat will confirm the registration fee waiver upon request, subject to availability.

12/09/2025 Social dinner costs € 40,00 and includes a guided tour.



PROVIDER E SEGRETERIA ORGANIZZATIVA
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 t: 0823 36.16.53 / 45.21.10
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DISCAB
 Dipartimento di Scienze
 Cliniche Applicate
 e Biomediche



UNIVERSITÀ
 DEGLI STUDI
 DELL'AQUILA



MESVA
 Dipartimento di Medicina Clinica,
 Sanità Pubblica, Scienze della Vita
 e dell'Ambiente

XIII Meeting Stem Cell Research Italy

Iscrizione al Registro delle Associazioni di Promozione Sociale Regione Campania (DR 654 15/6/21)

PAOLO BIANCO AWARD

PATRIZIA DELL'ERA POSTER AWARD

RUNTS
 Registro Unico
 Nazionale
 Terzo Settore

ORGANIZING COMMITTEE

Annamaria Cimini

Umberto Galderisi

Francesca Zazzeroni

Michele D'Angelo

Vanessa Castelli

Elisabetta Benedetti

Domenico Aprile

SCR Italy is a member of StemNet

(Federation of Associations on Stem Cell Research)

SEPTEMBER 11-12-13 2025

Under the patronage of



L'AQUILA-ITALY

"Luigi Zordan" Congress Centre

SEPTEMBER 11th 2025

- 13.30 Registration
- 14.30 Opening Ceremony

Introductory remarks by the Rector of the University of L'Aquila
Prof. Edoardo Alesse
Director of the Department of Life Health and Environmental Sciences
Prof.ssa Annamaria Cimini
Director of Biotechnological and Applied Clinical Sciences
Prof.ssa Francesca Zazzeroni

I SESSION - STEM CELLS AND CANCER

Chairs: **Annamaria Cimini, Michele D'Angelo**

- 15.00 Stem cells and 3D bioprinting for skeletal muscle reconstruction
Cesare Gargioli
- 15.20 Reconstructing human mammary tissue in vitro using iPSCs: a platform to study breast cancer initiation
Cinzia Caprio
- 15.45 KEY LECTURE
Mauro Piacentini
Cancer stem cells

17.00 City tour and Welcome cocktail

SEPTEMBER 12th 2025

II SESSION - STEM CELLS AND DISEASES

Chairs: **Umberto Galderisi, Giovanni Di Bernardo**

- 09.00 KEY LECTURE
Neural control of hematopoiesis drives inflammation in preclinical models of neurodegenerative diseases
Antonio Uccelli
- 10.00 MSC fate and actions in cell and gene therapies
Massimo Dominici
- 10.30 Coffee break
- 10.50 Regenerating muscle: stem cells and 3d cardiac models
Maurilio Sampaolesi

SELECTED ABSTRACTS FROM YOUNG INVESTIGATOR

- 11.30 Brain organoids as a new model for ischemic stroke and drug screening
Chiara Giorgi
- 11.45 Human amniotic membrane enhances angiogenesis in diabetic umbilical endothelial cells via vegfr2-akt-enos pathway
Iaria Cappellacci
- 12.00 Myomir dysregulation and regenerative potential in two-dimensional (2D) and three dimensional (3D) in vitro models of limb girdle muscular dystrophy D2 (LGMDD2)
Maria Teresa Altieri
- 12.15 In vitro and in vivo immunoregulatory and regenerative properties of aec derived microvesicles
Ludovica Sulcanese
- 12.30 Innovative in vitro models for the study of psychotic disorders: muse stem cells
Deanira Patrone
- 12:45 Cytocompatibility antimicrobial and peptides selectivity on human mesenchymal stem cells, MG63, and L929 cell lines: toward a new strategy to counter orthopedic implant infections
Giulia Bottau

13.00 Lunch

III SESSION - STEM CELLS AND AGING

Chairs: **Roberta Piva, Vanessa Castelli**

- 14.00 Stem cell-dependent and stem cell-independent neurogenesis in widely different mammalian brains
Luca Bonfanti
- 14.30 Loss of regeneration and epigenetic drift of the intestinal stem cells during aging
Francesco Neri
- 15.00 Counteracting cell senescence with Phytochemicals and Nanomaterials: novel approaches for skin regeneration
Diletta Serra

SELECTED ABSTRACTS FROM YOUNG INVESTIGATOR

- 15.30 Mesenchymal stem cell-derived secretome modulates the senescent phenotype in a cellular model of ovarian aging
Kimberly Ferrante
- 15.45 SRC kinase inhibitors target senescent mesenchymal stromal cells: a promising senotherapeutic strategy
Claudia Moriello

16.00 Coffee break

16.15 POSTER PRESENTATION

17.00 Visit to the Bominaco Cathedral

20.30 Social Dinner

SEPTEMBER 13th 2025

IV SESSION - FROM BASIC RESEARCH TO THERAPY

Chairs: **Assunta Pandolfi, Barbara Barboni**

- 09.00 Does the behavior of progenitor and mature intervertebral disc cells require the purinergic receptor P2X7?
Roberta Piva
- 09.30 Hematopoietic Stem Cell Gene Therapy for GM1-Gangliosidosis
Valentina Poletti
- 10.00 Stem cells of the skeleton: insights from development and disease
Marco Angelozzi
- 10.30 Mesenchymal Stromal/Stem Cells of Dental Origin in Adults: An Update on Possible Applications in Research and Therapy
Federico Mussano

11.00 Coffee break

SELECTED ABSTRACTS FROM YOUNG INVESTIGATOR

- 11.15 Autophagy is a critical path for chondrogenesis of adipose-derived mesenchymal stromal cells embedded in 3d hydrogel
Elena Gabusi
- 11.30 Comparing perinatal human progenitors as a source of extracellular vesicle therapeutics for paracrine cardiac repair
Pietro Arnaldi
- 11.45 Combining cell instructive liquid crystalline networks and red photobiomodulation to promote myoblast differentiation
Martina Parigi

12.00 Concluding remarks

12.30 SCR ASSEMBLY

13.00 Lunch