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University of Palermo
Fabio Sallustio
University of Bari
Dario Siniscalco
University of Campania
Roberta Tasso
University of Genova
Yvan Torrente
University of Milano

Communications will be in Italian or English with English slides. Posters and abstracts must be written in English.

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MEETING REGISTRATION FEE

REGISTRATION FEE INCLUDES:
Meeting Attendance, Coffee Break, Lunch, Welcome
Cocktail

SCR MEMBERS	○ € 250,00
NO MEMBERS	○ € 310,00
YOUNG PEOPLE* AND PERSON WITH NO PERMANENT POSITION	○ € 190,00

YOUNG PEOPLE* are:
Members and no members
(scholar, phd, research fellow) under 35 years old

ONE DAY - (SELECT A DAY)

ONE DAY REGISTRATION INCLUDES:
Meeting Attendance, Coffee Break, Lunch
or Welcome Cocktail
(according to the scheduled program)

13 JUNE ○	14 JUNE ○	15 JUNE ○
SCR MEMBERS	○ € 130,00	
NO MEMBERS	○ € 130,00	
YOUNG PEOPLE* AND PERSON WITH NO PERMANENT POSITION	○ € 110,00	

NON SCR MEMBERS MUST ADD 22% VAT TO THE REGISTRATION FEE

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XII 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

SCIENTIFIC ORGANIZING COMMITTEE

Fabiana Geraci
University of Palermo
Roberto Chiarelli
University of Palermo
Umberto Galderisi
University of Campania "L. Vanvitelli"
Domenico Aprile
University of Campania "L. Vanvitelli"

SCR ITALY IS A MEMBER OF STEMNET

FEDERATION OF ASSOCIATIONS ON STEM CELL RESEARCH

CONGRESS VENUE:
UNIVERSITY OF PALERMO

13 JUNE
AULA A1 "MAGGIO"
Via Archirafi, 26

14 | 15 JUNE
AULA MAGNA
Ex Facoltà Giurisprudenza,
Edificio 6 - Via Maqueda, 172

JUNE 13 - 14 - 15, 2024



Palermo - ITALY



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THURSDAY - JUNE

AULA A1 "MAGGIO" - VIA ARCHIRAFI, 26

- 14.00 Registration
15.00 Opening Ceremony

I SESSION - STEM CELLS AND DISEASES

Chair: **Umberto Galderisi**

- 15.30 MEDUSA: Modification of Electrophysiological DNA to Understand and Suppress (pluripotent stem cell-derived cardiomyocytes) Engraftment Arrhythmia - **Alessandro Bertero** - *University of Torino*
16.00 Apoptosis and autophagy of mesoangioblasts (C57): effects induced by oxidative stress - **Fabiana Geraci** - *University of Palermo*

KEY LECTURE

- 16.30 Cancer stem cells - **Pier Giuseppe Pelicci** - *European Institute of Oncology*

17:30 Visit to the Botanical Gardens of the University of Palermo

18:30 Welcome cocktail

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FRIDAY - JUNE

AULA MAGNA - EX FACOLTÀ GIURISPRUDENZA, EDIFICIO 6 - VIA MAQUEDA, 172

II SESSION - STEM CELLS AND DISEASES

Chair: **Roberta Di Pietro**

- 08.45 Long renal tubule-like structures can be spontaneously generated from spheroids molded by urine-derived human adult renal progenitor cells: new perspectives for the regenerative and personalized medicine - **Fabio Sallustio** - *University of Bari*
09.15 Gene therapy for hemoglobinopathies - **Giuliana Ferrari** - *Vita-Salute San Raffaele University Milano*
09.45 Early-stage brain stem cell therapy for treating progressive Multiple Sclerosis - **Stefano Pluchino** - *University of Cambridge (UK)*

SELECTED ABSTRACTS FROM YOUNG INVESTIGATORS

Chairs: **Sveva Bollini, Gina Lisignoli**

- 10.15 Use of multi-lineage differentiating stress enduring stem cells (MUSE cells) in an irradiated mouse model treated with Piceatannol - **Alessia Amborsino**
10.30 3D Osteogenic Model Based on PLA-hydrogel core-shell scaffolds bioengineered with Mesenchymal Stromal Cells as an in vitro model of tissue regeneration - **Federica Re**

10.45 Coffee break

- 11.00 Reshaping immunity in Duchenne Muscular Dystrophy - **Yvan Torrente** - *University of Milano*
11.30 From Bench to Bedside - an Izon Science Approach - **Stephane Mazlan** - *Izon Science*
11.40 Holotomography and its X-tra way of doing live label-free imaging - **Daniel Ghete** - *Tomocube*

SELECTED ABSTRACTS FROM YOUNG INVESTIGATORS

- 11.50 The crucial roles of NFATc1 and P2X7R in the intervertebral disc microenvironment: the significant impact for innovative regenerative medicine approaches - **Maria P. M. Notarangelo**
12.05 Evaluation of a possible impairment of the tendon staminal environment by corticosteroid-treated tenocytes - **Caterina Licini**

SCR ASSEMBLY

13.00 Lunch

III SESSION - MECHANISMS REGULATING BIOLOGICAL PROPERTIES OF STEM CELLS

Chairs: **Assunta Pandolfi, Annamaria Cimini**

- 14.00 Senescent cells release factors that impair the functions of progenitors and stem cells, with implications for regenerative medicine - **Nicola Alessio** - *University of Campania "L. Vanvitelli"*

SELECTED ABSTRACTS FROM YOUNG INVESTIGATORS

- 14.30 3D healthy lung organoid as updated avatar-model for biomedical studies - **Maria Chiara Iachini**
14.45 Ascorbic acid treatment mitigates oxidative stress in a induced pluripotent stem cells-derived neural model of febrile seizure and temporal lobe epilepsy - **Stefania Scalise**

KEY LECTURE

- 15.00 Physical induction of pluripotency - **Manuela Raimondi** - *Politecnico di Milano*

16.00 Coffee break

16.15 POSTER PRESENTATION

Chairs: **Fabiana Geraci, Giovanni Di Bernardo**

18.15 City tour

20.30 Social Dinner

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SATURDAY- JUNE

EX FACOLTÀ GIURISPRUDENZA - EDIFICIO 6 - VIA MAQUEDA, 172

IV SESSION - EXTRACELLULAR VESICLES FROM BASIC TO APPLIED RESEARCH

Chairs: **Roberta Tasso, Benedetta Bussolati**

- 09.00 Extracellular vesicles for regenerative medicine: from stem cells to biofluids - **Benedetta Bussolati** - *University of Torino*
09.45 Extracellular vesicles: enhancing the clinical translation of nanomedicine in cancer therapy - **Paolo Ciana** - *University of Milano*
10.15 Extracellular vesicles from plants: from basic research to clinical applications - **Stefania Raimondo** - *University of Palermo*

10.45 Coffee break

SELECTED ABSTRACTS FROM YOUNG INVESTIGATORS

- 11.00 Metformin effects on stem cells and extracellular vesicles - **Valentina Grespi**
11.15 Extracellular vesicles from II trimester human amniotic fluid as paracrine conveyors counteracting oxidative stress and cardiotoxicity - **Laura Guerricchio**
11.30 Microalgae-Derived Extracellular Vesicles for Bone and Skin Health - **Sabrina Picciotto**
11.45 Modulating Human Macrophage Metabolism through the Glycolytic Enzyme PKM-2 for the Generation of Bone Regenerative Extracellular Vesicles - **Cansu Gorgun**

- 12.00 Concluding remarks

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