



ASSOCIAZIONE ITALIANA
CULTURE CELLULARI

EXOSOMES IN PATHOLOGICAL CONDITIONS:

new insights for biomarker
development and
therapeutic applications

ROME

9-10 JUNE 2016

Istituto Superiore di Sanità
Aula Pocchiari



SERVIZIO SANITARIO REGIONALE
EMILIA - ROMAGNA

Istituto Ortopedico Rizzoli di Bologna
Istituto di Ricovero e Cura a Carattere Scientifico



AICC SCIENTIFIC BOARD

President

Katia Scotlandi, IRCCS Rizzoli Orthopaedic Institute, Bologna

VicePresident

Michele Caraglia, Second University of Naples

Board of Directors and Secretary

Stefania Meschini, Istituto Superiore di Sanità, Rome

Board of Directors

Francesca Zazzeroni, University of L'Aquila

Massimo Donadelli, University of Verona

Claudia Chiodoni, Fondazione IRCCS Istituto Nazionale dei Tumori, Milan

Maria Teresa Di Martino, University of "Magna Graecia", Catanzaro

Past President

Carlo Leonetti, Regina Elena National Cancer Institute, Rome

SCIENTIFIC AND ORGANIZING COMMITTEE

Scientific Coordinators

Alessandra Carè, Istituto Superiore di Sanità, Rome

Katia Scotlandi, IRCCS Rizzoli Orthopaedic Institute, Bologna

Local Scientific Committee

Federica Felicetti, Istituto Superiore di Sanità, Rome

Isabella Parolini, Istituto Superiore di Sanità, Rome

Marina Petrini, Istituto Superiore di Sanità, Rome

ORGANIZING SECRETARIAT

Evelina Fiorenza Sciandra

Rizzoli Orthopaedic Institute - Via Di Barbiano, 1/10 - 40136 Bologna

Phone: 051.6366937

E-mail: evelinafiorenza.sciandra@ior.it

AICC SECRETARIAT

Stefania Meschini

Istituto Superiore di Sanità - Viale Regina Elena, 299 - 00161 Rome

E-mail: stefania.meschini@iss.it

Evelin Pellegrini

Istituto Superiore di Sanità - Viale Regina Elena, 299 - 00161 Rome

E-mail: evelin.pellegrini@guest.iss.it

SPEAKERS

Luigi F. Agnati, *IRCCS San Camillo, Venice Lido, Italy*

Riccardo Alessandro, *University of Palermo, Italy*

Giovanni Camussi, *University of Turin, Italy*

Alessandra Carè, *Istituto Superiore di Sanità, Rome, Italy*

Theodora Chlapanidas, *University of Pavia, Italy*

Federica Di Nicolantonio, *University of Turin, Italy*

Stefano Fais, *Istituto Superiore di Sanità, Rome, Italy*

Flavia Ferrantelli, *Istituto Superiore di Sanità, Rome, Italy*

Maria Luisa Fiani, *Istituto Superiore di Sanità, Rome, Italy*

Roberto Furlan, *San Raffaele Scientific Institute, Milan, Italy*

Maurizio Muraca, *University of Padua, Italy*

Luisa Pascucci, *University of Perugia, Italy*

Hector Peinado, *Spanish National Cancer Research Centre, Madrid, Spain*

Licia Rivoltini, *IRCCS National Cancer Institute, Milan, Italy*



SCIENTIFIC PROGRAMME

THURSDAY, JUNE 9th

- 13.00 - 17.30 *Registration*
- 13.30 - 14.00 **Opening Ceremony**
Greetings from the Authorities
Greetings from AICC President
Katia Scotlandi (Bologna, Italy)
- 14.00 - 14.45 **OPENING LECTURE**
Understanding the role of tumor-secreted exosomes in metastasis
Hector Peinado (Madrid, Spain)
- 14.45 - 16.50 **EXOSOMES AND CANCER**
Chairs: Alessandra Carè (Rome, Italy), Donatella Del Bufalo (Rome, Italy)
- 14.45 - 15.10 **Role of exosomes released by CML cells in the modulation of host microenvironment**
Riccardo Alessandro (Palermo, Italy)
- 15.10 - 15.35 **Immunomodulating role of tumor exosomes**
Licia Rivoltini (Milan, Italy)
- 15.35 - 16.00 *Coffee break*
- 16.00 - 16.25 **Biomarkers in circulating tumor DNA**
Federica Di Nicolantonio (Turin, Italy)
- 16.25 - 16.50 **Exosomes in the delivery of miRNAs**
Alessandra Carè (Rome, Italy)
- 16.50 - 17.20 *Selected Talks*
- 17.20 - 17.30 *Final Remarks*

SCIENTIFIC PROGRAMME

FRIDAY, JUNE 10th

08.30 - 09.00 *Registration*

09.00 - 10.15 **GISM Session: EXTRACELLULAR VESICLES AS THERAPEUTIC TOOLS: SELECTED APPLICATIONS**



Chairs: Augusto Pessina (Milan, Italy), Stefania Meschini (Rome, Italy)

09.00 - 09.25 **Paclitaxel delivery by MSC extracellular vesicles**
Luisa Pascucci (Perugia, Italy)

09.25 - 09.50 **Mesenchymal stromal cell-derived vesicles as immune modulators**
Maurizio Muraca (Padua, Italy)

09.50 - 10.15 **Pharmaceutical development of extracellular vesicle formulations: perspectives and challenges**
Theodora Chlapanidas (Pavia, Italy)

10.15 - 10.40 *Selected Talks*

10.40 - 11.10 *Coffee break and poster viewing*

11.10 - 12.05 **CONTROVERSIAL TECHNICAL ISSUES**

Chairs: Katia Scotlandi (Bologna, Italy), Massimo Sargiacomo (Rome, Italy)

11.10 - 11.35 **The troubled route to the use of nanosized extracellular vesicles in nanomedicine**
Stefano Fais (Rome, Italy)

11.35 - 12.05 **Metabolically labeled exosomes for biogenesis and functional studies**
Maria Luisa Fiani, (Rome, Italy)

12.05 - 12.35 *Selected Talks*

12.35 - 12.50 **Prize award Ceremony and poster awards**

12.50 - 14.00 *Light Lunch and poster viewing*

14.00 - 15.15 **EXOSOMES IN NEURODEGENERATIVE AND OTHER DISEASES**

Chairs: Michele Caraglia (Naples, Italy), Francesca Aloisi (Rome, Italy)

14.00 - 14.25 **Microglial microvesicles in neuroinflammation and neurodegeneration**

- 14.25 - 14.50 Roberto Furlan (Milan, Italy)
Exosomes as a multivalent mode of intercellular communication in the Central Nervous System
Luigi F. Agnati (Venice Lido, Italy)
- 14.50 - 15.15 **Role of Exosomes in HIV Pathogenesis**
Flavia Ferrantelli (Rome, Italy)
- 15.15 - 15.45 Selected Talks
- 15.45 - 16.00 *Coffee break*
- 16.00 - 16.45 **CLOSING LECTURE**
Stem Cell-Derived Exosomes and Kidney Regeneration
Giovanni Camussi (Turin, Italy)
- 16.45 - 17.00 *Closing Remarks*



SCIENTIFIC INFORMATION

ABSTRACT SUBMISSION

The Scientific Committee will select the abstracts received into:

- accepted as a oral presentation
- accepted as a poster presentation (65w x 130h cm)

DEADLINE FOR ABSTRACT SUBMISSION IS APRIL 4th, 2016

Notification of acceptance for presentation or rejection, together with information about session, date and time of discussion, will be sent by the Organizing Secretariat by e-mail to evelinafiorenza.sciandra@ior.it

Please note: for each accepted abstract, the registration fee of at least one of the Authors will be required. Each author can be entitled to be “presenting author” of one abstract only.

PRIZES

The Associazione “Un sorriso con Luca” will award a researcher with documented experience in rare tumors who will present the best idea for research in Ewing’s sarcoma.

To apply for the prize it is necessary to:

1. Be AICC member.
2. Be younger than 36 years at the date of 30th March (copy of the identity card must be attached).
3. Present a brief research project on advancing knowledge on Ewing’s sarcoma. The research project must be two-pages long, including background, objectives, research plan. A letter of acceptance of the host Institution should be included.
4. List of publications, awards and meetings.

Anybody who wish to apply for the prize must send the documents by **March 30th, 2016** to the e-mail address: evelin.pellegrini@guest.iss.it The members of the AICC Committee will examine the proposals and the winner will be awarded during the Award Ceremony.

AICC will award two poster prizes to the best experimentations presented at the meeting.

To apply for poster prizes it is necessary to:

1. Be AICC member.
2. Be first author of the submitted abstract (copy of the abstract must be attached).
3. Be regularly registered in the meeting.
4. Be younger than 36 years at the date of the meeting (copy of the identity card must be attached).

Anybody who wish to apply for the prize must present his/her poster at the meeting even in case his/her abstract has been selected as oral presentation. If the winner will not be present at the Award Ceremony, the prize will be awarded following the ranking order. The application must be sent by **April 4th, 2016**.

All applications are available on the AICC website: www.onlus-aicc.org. All prizes will be awarded, on the basis of a merit ranking, on June 10th, 2016 during the Award Ceremony.

GENERAL INFORMATION

DATES

Rome, Thursday 9th - Friday 10th, June 2016

MEETING VENUE

Istituto Superiore di Sanità

Aula Pocchiari

Viale Regina Elena, 299 - 00161 Rome, Italy

www.iss.it

ORGANIZING SECRETARIAT

Evelina Fiorenza Sciandra

Istituto Ortopedico Rizzoli

Via Di Barbiano 1/10 - 40136 Bologna, Italy

Phone +39 051 6366937 - Fax +39 051 6366763

E-mail: evelinafiorenza.sciandra@ior.it

www.ior.it

AICC SECRETARIAT

Stefania Meschini

Istituto Superiore di Sanità

Viale Regina Elena, 299 - 00161 Rome

E-mail: stefania.meschini@iss.it

Evelin Pellegrini

Istituto Superiore di Sanità

Viale Regina Elena, 299 - 00161 Rome

E-mail: evelin.pellegrini@guest.iss.it

LANGUAGE

The official language of the Meeting is English.

Simultaneous translation will not be provided.

SLIDES

Slides must be in English.

Computer videoprojection will be available in Power Point

Other requirements should be communicated to the Organizing Secretariat as soon as possible. Slides should be given to the slide centre one hour before the beginning of the session.

ATTENDANCE CERTIFICATE

A certificate will be sent to all participants at the end of the Meeting by e-mail.

REGISTRATION FEES (VAT included)Early registration by April 30th

AICC and GISM Member	€ 100,00
Non-Member	€ 150,00 (€ 100,00+50,00 mandatory membership fee)
Student	€ 50,00

On-site registration

AICC and GISM Member	€ 120,00
Non-Member	€ 170,00 (€ 120,00+50,00 mandatory membership fee)
Student	€ 50,00

The registration fee includes:

- Conference kit
- Participation in the Scientific Sessions
- Attendance Certificate
- Admission to the Opening Ceremony, coffee breaks, lunch.

How to register

The registration and payment forms are available on line at the website:

www.onlus-aicc.org

For general information please see the websites:

www.onlus-aicc.org and **www.gismonline.it**

PRACTICAL INFORMATION**How to reach the meeting venue**

The main entrance of the Istituto Superiore di Sanità (ISS) is located in Viale Regina Elena, 299, Rome, in front of the “Città Universitaria”. Secondary entrances are placed in Via del Castro Laurenziano, 10 and 25, and in Piazzale Valerio Massimo, 5.

Please find here some useful information.

By air

“Leonardo da Vinci” Airport (Fiumicino) is connected to Termini railway station by 30 minutes non-stop trains, and to Tiburtina railway station by 45 minutes trains.

“GB Pastine” Airport (Ciampino): a subway connects the railway station of Ciampino with Termini railway station by 12 minutes.

By rail

Bus “492” and “310” connect Termini railway station with the Istituto Superiore di Sanità. From Tiburtina railway station: about 15 minutes walk from the Istituto.

By subway

“B” line: get off at the “Policlinico” stop and walk about 5 minutes.

