



Italian Association
Of Cell Cultures
(AICC)

June, 7-8 2021

**III International AICC
Exosome meeting**

**Cell to cell delivery in
cancer and therapy:
a matter of carriers
and messages**

Virtual Meeting, will be held online
Visit <https://www.aicc.website>

PROGRAMME



SAPIENZA
UNIVERSITÀ DI ROMA

**III International AICC
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CONFERENCE AIMS

Exosomes are extracellular vesicles of variable diameter between 30 and 200 nm, secreted by the cells in biological fluids. These vesicles can carry within or on their surface lipids, membrane and soluble proteins, mRNA, microRNA and transposons, acting as "signal" transporters between cells. Exosomes can also be characterized by common molecules defined as "exosomal markers" useful for their identification and purification and can be used as "indicators" of the presence or activity of specific cell types or tumor cells. The presence of circulating biomarkers, such as exosomes, can allow the development of non-invasive diagnostic tests, constant monitoring of disease progression and responses associated with the different therapeutic approaches used. The "Exosome meetings" underline the need, for researchers and clinicians, to understand the growing complexity of cell-cell communication mechanisms mediated by exosomes and other microvesicles, both physiological and pathological, and to exploit and modify these mechanisms to ensure innovative therapeutic approaches for effective translation from preclinical outcomes to clinical approaches.

This year's conference focuses in particular on:

- 1) exosomes, microvesicles and their role in tumorigenesis and metastasis
- 2) role of exosomes in immunity, immuno-evasion and tumor microenvironment
- 3) potential use and application of exosomes for diagnostic purposes.
- 4) use of modified exosomes and microvesicles for the delivery of drugs or chemotherapy.

Young investigators are especially invited to participate and take advantage of the dedicated initiatives, including the awards that AICC and Sapienza University will offer for the best posters (flash presentation) and the best oral presentation.

Really hoping you will appreciate the meeting, we look forward to seeing you all!

The meeting President
Enrico De Smaele

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Monday June, 7th:

2 pm Welcome from the organizers

2:15 **Opening lecture** - Graca Raposo CNRS/Institut Curie, Paris.
“Exosomes and Microvesicles: Integrators of Homeostasis, players in diseases”.

3:00 pm Session I: CIRCULATING SIGNALS AND CANCER

David W. Greenings, Baker Institute and La Trobe University, Australia – *“Proteomic insights into extracellular vesicle composition & cellular reprogramming”*

Marco Tripodi, Sapienza University of Rome– *“microRNA loading signatures”*

4:00 pm Break

4:15 Valentina Zappulli, University of Padua. *“Glioma-Derived miRNA-Containing Extracellular Vesicles Induce Angiogenesis by Reprogramming Brain Endothelial Cells”*.

Veronica Giusti, Istituto Ortopedico Rizzoli, Bologna. *“Ewing Sarcoma derived exosomes mirror insulin-like growth factor 2 binding protein 3 (IMP3) cellular levels, modulating invasiveness of the receiving cells”*

Technical Talk: Beckman Coulter specialist (*Title to be confirmed*)

Selected talks/short communications

6:30 pm end of session

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Tuesday June 8th:

9:00 am session II TUMOUR-MICROENVIRONMENT INTERACTIONS AND IMMUNOLOGY

Lorena Martin-Jaular, Institut Curie, PARIS "*Specificities of secretion and uptake of exosomes and other extracellular vesicles for cell-to-cell communication*"

Elisabetta Vulpis, Sapienza University of Rome – "*Impact on NK cell functions of acute versus chronic exposure to extracellular vesicle-associated MICA: dual role in cancer immunosurveillance*"

Rosa Molfetta, Sapienza University of Rome – "*Immune complexes exposed on mast cell-derived exosomes amplify allergic inflammation*"

Valentina Salvi Ph.D, University of Brescia – "*Unconventional cell-to-cell regulation by exosomal miRNAs*".

Technical talk Schaefer specialist (*Title to be confirmed*)

Antony Ferrante Jr, Columbia University: "*Adipocyte-derived exosomes and immune education*"

Francisco Sánchez Madrid, Universidad Autónoma de Madrid - "*miRNA, exosomes and the Immune Synapse*" (*tentative title, to be confirmed*).

11:45– 12:45 selected talks/short communications

Lunch Break

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2:00 pm SESSION III CLINICAL POTENTIAL OF EXOSOMES AND VESICLES

Benedetta Bussolati, Torino University: *“Anti-tumor activity of stem cell-derived extracellular vesicles”*

Mauro Torti, University of Pavia: *“Platelet derived exosomes”*

Roberto Santoliquido, ALFATEST specialist *“Single Vesicle characterization using a new customizable array: access size, concentration, cargo and surface protein marker.”*

Giulio Caracciolo, Sapienza University of Rome: *“Liposome-Protein Corona: New Opportunities for Targeted Drug Delivery and Early Disease Detection”*

Stefano Fais, Italian National Institute of Health, Rome: *“Exosomes for delivery of therapeutic molecules”*

Selected talks/short communications

16:00 Short break

16.15 AWARD CEREMONY Best oral presentation and flash presentations awards

16.45 **CLOSING LECTURE:**

David C. Lyden Cornell, Weill Cornell Medicine in New York
“Exosome and exomere biomarkers for diagnosing cancer and determining prognosis.”

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SCIENTIFIC AND ORGANISING COMMITTEE

Enrico De Smaele, President, *La Sapienza University of Rome*

Aurelia Rughetti, *La Sapienza University of Rome*

Alessandra Zingone, *La Sapienza University of Rome*

Marta Moretti, *La Sapienza University of Rome*

Annapaola Angrisani, *La Sapienza University of Rome*

AICC Scientific Board

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Vice President

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Awards

AICC will award at least three prizes for best oral presentation by authors younger than 35 years of age. Each award is worth 250 euros.

AICC will also award at least six prizes for best poster (flash presentations) by authors younger than 35 years of age. Each award is worth 125 euros.

Under the patronage and sponsorship of:

Sapienza University of Rome (2021 meeting grant)

PhD program in Molecular Medicine

PhD program in Experimental Medicine

PhD program in Immunology

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Registration fees

Registration fees	Meeting fee (VAT included)
Regular members	120.00 €
Undergraduate and PhD Students	50.00 €
Sapienza PhD Students from conventioned PhD programs	Free admission

Registration to the meeting includes:

- Admission to all meeting sessions and meeting online material
- Abstract book file (PDF)
- Attendance certificate

Registration without payment is not considered valid.

To participate to the meeting is required a valid AICC membership.

Membership request forms are attached to this program and are available at the following link: <https://www.aicc.website/cosaelaicc/sottoscrizioni-en>

2021 AICC membership is free of charge.

Meeting secretariat

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AICC Secretariat

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Event technical support

Xenia Eventi xeniaeventi@gmail.com





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With the unrestricted grants of:



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AICC MEMBERSHIP REQUEST (ORDINARY MEMBER)

SURNAME and NAME _____

TITLE (Prof./Dr./Ing./Sig.) _____ DATE OF BIRTH _____

City fo Birth _____ Country _____

Tax Code (codice fiscale/SSN) _____

INSTITUTE / BODY / COMPANY _____

Address: _____

Phone _____ E-MAIL _____

EDUCATION TITLE

Degree in _____

Diploma of ... _____

YEAR OF ASSOCIATION: _____

NEW REQUEST

RENEWAL

AFFILIATION:

University C.N.R. Other Public Body Industry Trade Other

(specify) _____

MAIN AREA OF SCIENTIFIC INTEREST

DATE _____

SIGNATURE

(Pursuant to Law 675/96, the data shown in this form will be used exclusively for the purposes set out in the Association's Statute).



Cell to cell delivery in cancer and therapy: a matter of carriers and messages

June 7th – 8th, 2021

Registration Form

<i>SURNAME:</i>	<i>NAME:</i>
<i>AICC member: (YES or NO)</i>	<i>Title (Prof./Dr./Mr./Mrs./Ms.):</i>
<i>Date of birth:</i>	<i>Tax code:</i>
<i>Institution/Company:</i>	
<i>If Sapienza PhD Student, please indicate the PhD program</i>	
<i>Address:</i>	
<i>City:</i>	<i>CAP:</i>
<i>E-mail:</i>	<i>Telephone:</i>
	<i>Mobile phone:</i>

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“I authorize Sponsor Companies of this congress to keep me updated about their products, news, events and offers by including my e-mail address in the list associated to their electronic news dissemination. I deserve the right to unsubscribe according to the guidelines for e-mail advertising specified in the above mentioned GDPR 2016/679.”

Date _____ *Signature* _____



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Registration Details

Meeting registration fee:

	<i>Meeting fee (VAT included)</i>
Regular Members	120,00 €
Undergraduate and PhD Students	50,00 €
Sapienza PhD Students from conventioned PhD programs	Free admission

PAYMENT

Bank transfer in favor of:

Associazione Italiana di Colture Cellulari

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BPER BANCA S.P.A.

L'Aquila, agenzia 10, Via Campo di Pile, 67100 L'Aquila (AQ)

Reason for payment (causale): please, indicate surname and name and the title of the event.

Copy of the bank receipts for AICC meeting registration, along with a copy of the present form and of the membership request form, completed in all parts and signed, must be mailed to:

iscrizioni@aicc.website

Abstract for the meeting must be sent to:
abstracts@aicc.website



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ABSTRACT FORM

ABSTRACT SUBMISSION DEADLINE: May, 20th 2021

Mail the form to abstracts@aicc.website, along with a powerpoint file containing a max 3 minute long recorded flash presentation of the topic.

Title:

Author(s):

Institution:

Poster/flash presentation

Oral presentation

Abstract (350 words maximum, font Calibri 12, single space):