



2^o EVIta
SOCIETÀ ITALIANA PER LE VESICOLE EXTRACELLULARI
Symposium

20/22
SEPT
2021

Location

RENAISSANCE TUSCANY IL CIOCCO
LUCCA, ITALY

2nd Symposium EVIta

PROGRAM

MONDAY

20
September
2021

- 15.00 - 17.00** **Welcome Registration and Welcome coffee**
- 16.00 - 17.00** **Pre-meeting**
Showcase of International collaborative projects and networks on Extracellular Vesicles.
Chairs: Marcella Chiari, Annalisa Radeghieri
- 17.15 - 17.30** **Opening Ceremony**
- 17.30 - 19.00** **Invited Lecture Session**
Chairs: Benedetta Bussolati
Annalisa Radeghieri
- 17.30 - 18.00 Edit I Buzas - Interactions of the extracellular vesicle surface
- 18.00 - 18.30 Rossella Crescitelli - Extracellular vesicles from tissue: optimization of isolation method and their effect on melanoma growth reduction.
- 18.30 - 19.00 Riccardo Alessandro - Plant EVs: from research to possible therapeutic applications.
- 19.00 - 19.30** **Round Table**
New landscapes in EV research and applications
Chairs: Benedetta Bussolati- Annalisa Radeghieri and project coordinators.
- 20.15** **Dinner**
Restaurant "La veranda"



9.00 - 9.30

Invited Lecture

Chairs: Stefania Bruno, Lorenza Lazzari

Bernd Giebel - Mesenchymal Stem Cell-derived Extracellular Vesicles: a Potential New Tool in Regenerative Medicine.

9.30 - 10.45

Oral presentations - EV isolation and characterization.

Chairs: Stefania Bruno, Lorenza Lazzari

Dario Brambilla - INDEX: development of an integrated platform to provide EV-based liquid biopsy for lung cancer.

Ramila Mammadova - Identification of viral particles copurifying with tomato-derived nanovesicles by shotgun proteomics.

Giorgia Adamo - Extracellular vesicles from microalgae: anti-oxidant bioactivity and cellular uptake studies.

Andrea Zendrini - Specific antithrombin glycoforms adsorb onto plasma extracellular vesicles.

10.45 - 11.15

Coffee break

11.15 - 12.45

Oral presentations - EV biomarkers and therapeutics.

Chairs: Marina Cretich, Gabriella Pocsfalvi

Orazio Fortunato - Circulating extracellular vesicles as biomarkers of response for immune-checkpoint inhibitors in advanced NSCLC.

Manuela Basso - Decoding distinctive features of plasma extracellular vesicles in amyotrophic lateral sclerosis.

Ambra Costa - Human amniotic fluid stem cell-extracellular vesicles support cardiomyocyte renewal.

Mario Barilani - Human induced pluripotent stem cells as inexhaustible source of extracellular vesicles for acellular therapy.

Loredana Casalis - Extracellular vesicle-model membranes interaction: a non-total fusion mechanism.

13.00 - 14.30 **Lunch**
Restaurant "La veranda"

14.30 - 16.00 **Poster Session 1 - from n. 1 to n. 37**
Coffee break

16.00 - 17.00 **Sponsor Session**

- 16.00 Beckman Coulter - Pure preparations, proven reagents and accurate characterizations -
2021 update on BEC LS solutions supporting Exosomes & Extracellular Vesicles research
- 16.12 Alfatest - Are we facing Exosomes?
- 16.22 Schaefer South-est Europe - Extracellular Vesicles: Automating your Research for Isolation and Accurate Single Particle Characterization.
- 16.32 Particle Metrix GmbH - Improvements in fluorescent Nanoparticle Tracking Analysis : Reliable characterization of Extracellular Vesicles
- 16.42 Luminex Corp - High resolution flow cytometric analysis of extracellular vesicles with the Luminex Amnis-Cellstream Instrument
- 16.52 ONI - Oxford Nanoimaging - Single-molecule imaging of extracellular vesicles below the diffraction limit

17.00 - 18.15 **Oral presentations.**
Chairs: Cristina Grange, Nunzio Iraci.

Session 1- EVs and COVID-19.

- Balbi Carolina - Circulating extracellular vesicles are endowed with enhanced procoagulant activity in SARS-CoV-2 infection.
- Roberta Verta - Generation of spike-extracellular vesicles (S-EVs) as a tool to mimic SARS-CoV-2 interaction with host cells.

Session 2- Model systems.

- Pamela Santonicola - Caenorhabditis elegans as model system to study EV bioactivity and biodistribution in vivo.
- Ferrari Luca - Extracellular vesicles carrying human endogenous retroviruses as modulators of immune response after environmental stimuli: functional studies in the zebrafish model.

20.00 **Gala Dinner**
Auditorium Sala Pascoli



WEDNESDAY

22
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8.30 - 9.30 **General assembly EVIta members**

9.30 - 11.00 **Oral presentations - EVs in pathogenesis of diseases.**

Chairs: Marina Camera, Maria Felice Brizzi

Loredana Leggio - Astrocyte-derived extracellular vesicles from specific brain regions rescue apoptosis and preserve mitochondrial function in a cellular model of Parkinson's disease.

Silvia Picciolini - Evaluation of neural extracellular vesicles release after the inhibition of neutral sphingomyelinase in acute brain injury.

Serena Maggio - Pro-inflammatory activity of extracellular vesicles released by senescent-like muscle cells.

Noemi Torriero - The role of oxygen tension on 3D Neuroblastoma spheroids and their shredded exosomes: could hypoxic exosomes modulate Mesenchymal Stem Cells behavior?

Malvina Koni - nEVs increase tumor metastasis in a 4T1 mouse triple-negative breast cancer (TNBC) model.

11.30 - 12.00 **Poster session 2- from n. 38 to n. 76**

Coffee break

12.30 - 13.00 **Final lecture**

Chair: Antonella Bongiovanni.

Dolores Di Vizio - Heterogeneity of Extracellular Vesicles in Interferon Pathway Activation

13.00 - 13.30 **Wrap up, awards and closing remarks.**

13.30 **Lunch**

Restaurant "La veranda"



All congress events will take place in the Auditorium
Sala Pascoli
(Congress Center, ground floor)

Meals will be at the restaurant "La veranda" (main
building ground floor)
Gala dinner in Auditorium Sala Pascoli

Sponsors exhibition will be at 1st floor
Poster exhibition will be at 1st floor

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