2026
CONFERENCE & SCHOOL ON EXTRACELLULAR VESICLES AND NANOPARTICLES (CSEVP-2026)

CONFERENCE: VILLA TUSCOLANA - FRASCATI (ROME)
FEBRUARY 16TH – 17TH, 2026

SCHOOL: ROME - UNIVERSITY OF ROME TOR VERGATA
FEBRUARY 18TH - 20TH, 2026

General Organization Committee

Prof. Massimo **Bottini**, University of Rome Tor Vergata, Rome, Italy
Prof. Claudia **Matteucci**, University of Rome Tor Vergata, Rome, Italy
Prof. Annalisa **Radeghieri**, University of Brescia, Italy
Prof. Andreas **Möller**, The Chinese University of Hong Kong, Hong Kong
Prof. Andrea **Magrini**, University of Rome Tor Vergata, Rome, Italy
Prof. Pietro **Ciancaglini**, Universidade de São Paulo, Ribeirão Preto, Brazil

Conference Organization Committee

Prof. Massimo **Bottini**, University of Rome Tor Vergata, Rome, Italy
Prof. Claudia **Matteucci**, University of Rome Tor Vergata, Rome, Italy
Prof. Antonella **Minutolo**, University of Rome Tor Vergata, Rome, Italy
Prof. Annalisa **Radeghieri**, University of Brescia, Brescia, Italy
Prof. Giovanni **Chillemi**, University of Rome Tor Vergata, Rome, Italy
and National Institute for Infectious Diseases Lazzaro Spallanzani, Rome, Italy
Prof. Lucia **Paolini**, University of Brescia, Italy
Prof. Simone **Dinarelli**, Institute for the Structure of Matter, CNR, Rome, Italy
Prof. Pietro **Ciancaglini**, Universidade de São Paulo, Ribeirão Preto, Brazil
Prof. Fausto **Almeida,** University of Sao Paulo, Brasil
Dr. Seungmin **Kim**, Korea University, Seoul, Republic of Korea

School Organization Committee

Prof. Massimo **Bottini**, University of Rome Tor Vergata, Rome, Italy
Prof. Claudia **Matteucci**, University of Rome Tor Vergata, Rome, Italy
Prof. Antonella **Minutolo**, University of Rome Tor Vergata, Rome, Italy
Prof. Simone **Dinarelli**, Institute for the Structure of Matter, CNR, Rome, Italy
Prof. Paola **Lanuti**, University of Chieti-Pescara, Chieti, Italy
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Dr. Seungmin **Kim**, Korea University, Seoul, Republic of Korea

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TOR VERGATA UNIVERSITÀ DEGLI STUDI DI ROMA

INTERNATIONAL SOCIETY for EXTRACELLULAR VESICLES

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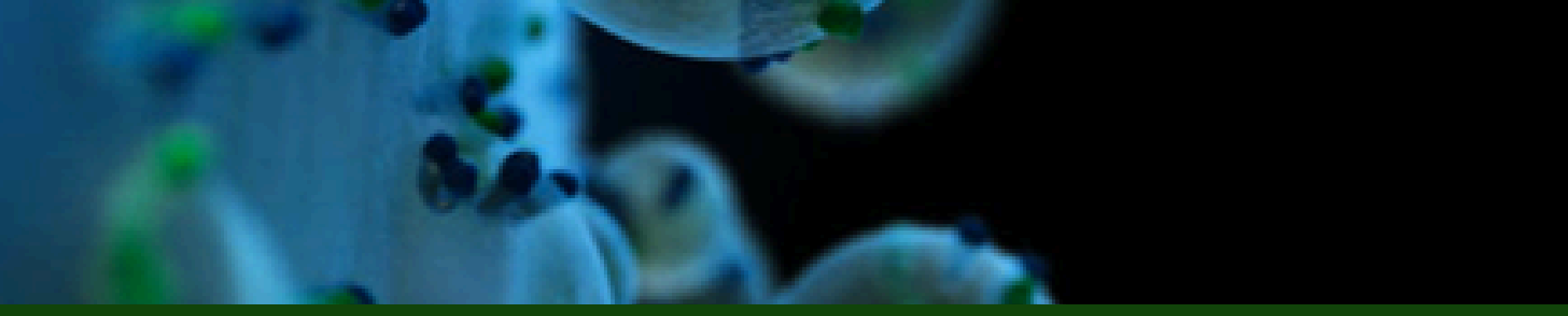

BACKGROUND

All cells release extracellular vesicles and nanoparticles into the extracellular environment during physiological and pathophysiological processes. Extracellular vesicles are nanosized particles enclosed in a lipid bilayer that are released from cells into the extracellular environment and cannot replicate. They are of two types: vesicles that are free to migrate to other regions of a tissue, or even to other tissues, after their release (media EVs), and vesicles that bind to the extracellular matrix and are less inclined to migrate (matrix-bound EVs). The current model describes the main function of media EVs as participation in paracrine and endocrine cell-cell communication processes, while the main function of matrix-bound EVs as participation in mineralization processes. Recent studies have shown that matrix-bound EVs can also mediate local cell-cell communication processes, opening new perspectives on their biological role. Extracellular nanoparticles include not only well-known entities, such as lipoprotein particles, nucleosomes, and vaults, but also two recently discovered nanoparticles, exosomes and supermeres. Although their biological function is still unclear, exosomes and supermeres are thought to be exclusively capable of migration and their main function is described as participation in cell-cell communication.

DESCRIPTION OF THE EVENT

Due to the success of the 2024 - Conference and School on Extracellular Vesicles and Nanoparticles (CSEVP-2024), the committee has decided to reschedule the event in February 2026. The new event (CSEVP-2026) will have the same format as the previous event, a **Conference (February 16-17**, Villa Tuscolana, Rome) followed by a **School (February 18-20, University of Rome Tor Vergata, Rome).**

During the **Conference**, senior experts will highlight recent advances in understanding the role of extracellular vesicles and nanoparticles in physiological and pathological processes.
Afterwards, ample space will be given to young scientists (the "rising stars") to discuss their discoveries in the field with oral contributions and posters. There will also be interventions by private companies.

In the following three days, there will be the **School with theoretical lectures and practical lesson**s in the laboratory.
The theoretical lectures will cover general aspects, including the classification of extracellular vesicles and isolation techniques, but also more specific and innovative aspects, including MISEV rules and how to study vesicle membrane proteins with innovative techniques (for instance, proximity barcoding assay). Practical lessons will be organized to show students the entire chain of processes needed to isolate and characterize vesicles with equipment brought by private companies. Regarding vesicle isolation, both "classic" techniques (e.g., SEC and TFF) and techniques based on automated equipment/kits (e.g., EXODUS and EXoPERT) will be shown. Regarding vesicle characterization, the School will show students how to characterize physical, biochemical and physicochemical properties using both “classical” techniques (e.g., NTA, TRPS and flow cytometry) and more “innovative” techniques (high resolution microscopy and AFM-based imaging and non-imaging techniques). Compared to the 2024 event, the 2026 event aims to expand the space dedicated to young scientists to allow them to create an international network, which is the basis of a scientific culture without borders. Awards will be made available by the National Societies on extracellular vesicles for the best talk and poster.

PARTICIPATION
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VENUE
CONFERENCE
February 16-17
Villa Tuscolana
Via del Tuscolo 1
Frascati (Rome)

SCHOOL
February 18-19
Finazzi Agro’ Hall
Faculty of Medicine and Surgery
Department of Experimental Medicine
Tor Vergata University
Via Montpellier 1 - Rome

SCHOOL
February 20
ArTov
Via del Fosso del Cavaliere 100
Rome

PROGRAM

Frascati, Villa Tuscolana - February 16th-17th, 2026

Conference

FEBRUARY 16TH

08:00 – 09:00 Registration

OPENING TALKS

CHAIRMEN: Prof. Massimo Bottini - Prof. Claudia Matteucci

09:00 – 09:10 Prof. Nathan Levialdi Ghiron – *Rector of the University of Rome Tor Vergata*
WELCOME TO THE 2026 CONFERENCE & SCHOOL ON EXTRACELLULAR VESICLES AND NANOPARTICLES

09:10 – 09:20 Prof. Andreas Möller - *Faculty of Medicine, The Chinese University of Hong Kong*
WELCOME NOTE FROM THE INTERNATIONAL SOCIETY FOR EXTRACELLULAR VESICLES

09:20 – 09:50 KEYNOTE SPEAKER
Prof. Josè Louis Millàn - *Sanford Children's Health Research Center, La Jolla, USA*
HYPOPHOSPHATASIA - KEY TO UNDERSTANDING THE FUNCTION OF MATRIX VESICLES

09:50 – 11:00

SESSION 1 - GENERAL

CHAIRMEN: Prof. Massimo Bottini - Prof. Claudia Matteucci

09:50 – 10:10 Prof. Colin Farquharson – *University of Edinburgh, Edinburgh, Scotland*
THE FUNCTIONAL CO-OPERATIVITY OF TNAP AND PHOSPHO1 DURING MATRIX VESICLE MEDIATED SKELETAL MINERALIZATION

10:10 – 10:30 Prof. Stefano Tacconi – *University of Rome La Sapienza, Rome, Italy*
EXTRACELLULAR LIPID DROPLETS EXPORT BY LAM/TREM2+ MACROPHAGES: A NEW LIPID-BASED COMMUNICATION MECHANISM UNDER LIPID OVERLOAD

10:30 – 10:40 Dr. Seungmin Kim - *Korea University, Seoul, Republic of Korea*
COMPANION DIAGNOSTICS FOR DEPRESSION USING EV-BASED LIQUID BIOPSY AND AI

10:40 – 10:50 Dr. Maria Cavarlez – *Sanford Burnham Prebys, La Jolla, USA*
DETERMIING MRNA PACKAGING AND DELIVERY BY SMALL EXTRACELLULAR VESICLES IN THE BRAIN

10:50 – 11:00 Sponsor Talk - **EXODUS BIO - Dr. Yuri D'Alessandra**
EXODUS BIO SOLUTIONS FOR FULLY AUTOMATED ISOLATION OF EXTRACELLULAR VESICLES

11:00 – 11:30 COFFEE BREAK // POSTER VISIT // NETWORKING

11:30 – 12:40

SESSION 2 - GENERAL

CHAIRMEN: Prof. Massimo Bottini - Prof. Claudia Matteucci

11:30 – 11:50 Prof. Maurizio Fraziano - *University of Rome Tor Vergata, Rome, Italy*
BIOACTIVE LIPOSOMES AS A NOVEL HOST-DIRECTED THERAPY TO COMBAT MULTIDRUG-RESISTANTINFECTIONS

11:50 – 12:10 Prof.ssa Chiara Agrati - *Bambin Gesù Hospital - Rome, Italy*
EXTRACELLULAR VESICLES RELEASED FROM ACTIVATED VD2 T CELLS PROMOTE ADJUVANT AND DIRECT ANTIVIRAL ACTIVITY

12:10 – 12:20 Dr. Francesca Natale - *Dept. of Neuroscience, Università Cattolica del Sacro Cuore, Rome, Italy*
INTRANASAL ADMINISTRATION OF NEURAL STEM CELLS-DERIVED EXTRACELLULAR VESICLES AMELIORATES ALZHEIMER'S DISEASE PHENOTYPE IN 3×TG-AD MICE

12:20 – 12:30 Sponsor Talk - **SCHAEFER SEE - Dr. Maira Bacchiega**
EV PURIFICATION AND CHARACTERISATION: WHERE PRECISION MEETS POTENTIAL

12:30 – 12:40 Sponsor Talk - **PARTICLE METRIX - Dr. Bertrand Damart**
ZETAVIEW EVOLUTION: A NEW EDGE FOR NANOPARTICLE CHARACTERIZATION

12:40 – 14:00

BUFFET LUNCH // SPONSOR EXHIBITION

14:00 – 15:00

SESSION 3 - EV FLOW CYTOMETRY

Chairman: Prof. Antonella Minutolo

14:00 – 14:20 Prof. Estefania Lozano Andres - *Utrecht University, Utrecht, Netherlands*
CHARACTERIZATION OF NANOPARTICLES AND EXTRACELLULAR VESICLES USING CALIBRATION METHODOLOGIES ON THE CYTOFLEX NANO

14:20 – 14:30 Dr. Marialaura Fanelli - *University of Rome Tor Vergata, Rome, Italy*
CHARACTERIZATION OF EXTRACELLULAR VESICLES REVEALS PERSISTENT MYELOID ACTIVATION AND SARS-COV-2 PROTEINS EXPRESSION ASSOCIATED INFLAMMATION IN ACUTE AND LONG COVID

14:30 – 14:40 Dr. Chiara Samà - *Department of Medicine - University of Padua, Italy*
EXTRACELLULAR VESICLE PROFILES IN FAMILIAL HYPERCHOLESTEROLAEMIA AND THEIR MODULATION BY EVINACUMAB TREATMENT

14:40 – 14:50 Dr. Elena Chinosi - *Department of Pharmaceutical Sciences, Università degli Studi di Milano, Milan, Italy*
EXPLORING OLIGODENDROCYTE-DERIVED EXTRACELLULAR VESICLES AS BIOMARKERS OF DISEASE PROGRESSION IN ALS

14:50 – 15:00 Sponsor Talk - **BECKMAN COULTER - Dr. Jorge Formaro**
ADVANCED TOOLS IN EVS FLOW CYTOMETRY ANALYSIS

15:00 – 16:00

SESSION 4 - EV PROTEIN CORONA

Chairman: Prof. Annalisa Radeghieri

15:00 – 15:20 Prof. Edit Buzás - *Semmelweis University, Budapest, Hungary*
FROM ISOLATION TO FUNCTION: THE IMPACT OF THE EV BIOMOLECULAR CORONA

15:20 – 15:30 Dr. Angelo Musicò - *SCITEC-CNR, Milan, Italy*
ORTHOGONAL INVESTIGATION AT SINGLE-PARTICLE AND ENSEMBLE LEVELS UNCOVERS LIPOPROTEIN-EXTRACELLULAR VESICLE BINDING PATTERNS

15:30 – 15:40 Dr. Heikki Kyykallio - *Institute of Biomedicine, University of Eastern Finland*
HYALURONIC ACID SURFACE-DECORATION ALTERS THE PROTEIN CORONA OF EXTRACELLULAR VESICLES

15:40 – 15:50 Dr. Camille Menaceur Vandenbroucke - *Dept. Molecular Biology and Genetics, Aarhus University, Denmark*
TOWARDS SPATIAL PROTEOMIC SIGNATURE OF THE EXTRACELLULAR VESICLE CORONA

15:50 – 16:00 Sponsor Talk - **ALFATEST - Dr. Roberto Santoliquido**
ENHANCING THE EV ANALYTICAL WORKFLOW: TECHNOLOGIES THAT DRIVE DISCOVERY

16:00 – 17:00

POSTER SESSION

COFFEE BREAK

17:00 – 18:20

SESSION 5 - SOLID TISSUE AND MATRIX EVS

Chairman: Prof. Lucia Paolini

17:00 – 17:20 Prof. Rossella Crescitelli – *University of Gothenburg, Gothenburg, Sweden*
TISSUE-DERIVED EXTRACELLULAR VESICLES AS SOURCE OF CANCER BIOMARKERS AND IMMUNOTHERAPEUTIC AGENTS

17:20 – 17:30 Dr. Giada Corti - *University of Rome Tor Vergata, Rome, Italy*
OSTEOMIMETIC BREAST CANCER-DERIVED EXTRACELLULAR VESICLES AFFECT THE MINERALIZATION ABILITY OF OSTEOBLASTS

17:30 – 17:40 Dr. Sarah Tassinari - *Dept. of Medical Sciences, University of Turin, Italy*
FROM EXTRACELLULAR MATRIX TO TISSUE ARCHITECTURE: HOW EXTRACELLULAR VESICLES MIRROR THE TUMOR MICROENVIRONMENT IN COLON CANCER

17:40 – 17:50 Dr. Iara Souza Lima - *Universidade de São Paulo, Ribeirão Preto, Brazil*
BEYOND THE DOSE: 5 GY IRRADIATION TRIGGERS LATE-STAGE FUNCTIONAL EXHAUSTION OF TNAP-BEARING EXTRACELLULAR VESICLES

17:50 – 18:00 Dr. Keteryne Rodrigues Da Silva - *University of Sao Paulo, Brazil*
DISTINCT EXOSOMAL PROTEIN NETWORKS OF OSTEOBLAST AND OSTEOSARCOMA

18:00 – 18:10 Dr. Luiz Henrique Da Silva Andrilli - *University of Sao Paulo, Brazil*
OSTEOBLAST-DERIVED MATRIX VESICLES: THE ROLE OF PHOSPHO1 IN THEIR BIOLOGICAL FUNCTION AND BIOGENESIS

18:10 – 18:20 Sponsor Talk - **SECRETECH - Dr. Rudi Schlaefli**
PROTEOMIC PROFILING OF SINGLE EVS USING PROXIMITY BARCODING

FEBRUARY 17TH

OPENING LECTURE

09:00 – 09:20 Prof. Andreas Möller - *JC STEM Lab of Personalised Cancer Medicine, The Chinese Univ. of Hong Kong*
TRANSITIONING EV RESEARCH FROM BENCH TO BEDSIDE

09:20 – 10:40

SESSION 6 - PLANT/FUNGI AND BACTERIA EVS

Chairman: Prof. Fausto Almeida

09:20 – 09:40 Dr. Gülüna Erdem Koc - *Gaziantep University, Turkey*
ALLIUM CEPA L. (LILIACEAE)-DERIVED EXTRACELLULAR VESICLES IN THE REGRESSION OF TAA-INDUCED LIVER FIBROSIS IN RATS

09:40 – 09:50 Dr. Lucas Fabricio Bahia Nogueira - *University of Sao Paulo, Ribeirao Preto, Brazil*
WHAT WE DO AND DON'T KNOW ABOUT THE BIOMOLECULAR CORONA AS A MOLECULAR SWITCH IN FUNGAL EV–HOST COMMUNICATION

09:50 - 10:00 Dr. Alessandra Minchella - *University of Rome Tor Vergata, Italy*
EXTRACELLULAR VESICLES AS VEHICLES FOR CROSS-KINGDOM COMMUNICATION: STATE OF THE ART AND EFFECTS OF MORINGA OLEIFERA LAM. EVS ON TUMORIGENESIS IN HUMAN CELLS.

10:00 – 10:10 Dr. Clarissa Zanotti - *University of Rome Tor Vergata, Italy*
ISOLATION OF RED BEET PLANT-DERIVED NANOVESICLES, AND CHARACTERIZATION OF THEIR MOLECULARCONTENT AND BIOLOGICAL ACTIVITIES IN HUMAN CELLS

10:10 – 10:20 Dr. Marina Acunzo - *Dept of Woman, Child, General and Specialized Surgery, Univ. Luigi Vanvitelli, Naples, Italy*
PSEUDOMONAS AERUGINOSA OUTER MEMBRANE VESICLES MODULATE OXIDATIVE STRESS AND MUCIN EXPRESSION IN AIRWAY EPITHELIAL CELLS

10:20 – 10:30 Dr. Heitor Gobbi Sebinelli - INRAE - *Institut national de recherche pour l'agriculture, Jouy-en-Josas, France*
ESTABLISHMENT OF PRODUCTION, ISOLATION AND PURIFICATION OF F. DUNCANIAE EXTRACELLULAR VESICLES FOR THERAPEUTIC APPLICATION

10:30 – 10:40 Sponsor Talk - **EXoPERT - Suhyoung Choi**
DUAL-SEC BASED EV ISOLATION FOR HIGH-PURITY AND REPRODUCIBLE WORKFLOWS

10:40 – 11:10 COFFEE BREAK // POSTER VIEWING // NETWORKING

11:10 – 12:20

SESSION 7 - MILK EVS

Chairman: Prof. Giovanni Chillemi

11:10 – 11:30 Prof. Martijn van Herwijnen - *Utrecht University, Utrecht, Netherlands*
MILK'S TINY MESSENGERS: HOW MILK-DERIVED EVS SHAPE THE INFANT'S IMMUNE SYSTEM

11:30 – 11:40 Dr. Samanta Mecocci - *University of Tuscia, Viterbo, Italy*
ANTI-INFLAMMATORY AND IMMUNOMODULATING POTENTIAL OF EXTRACELLULAR VESICLES FROM ANIMAL MILK

11:40 – 11:50 Dr. Marco Blasioli - *Utrecht University, Utrecht, Netherlands*
MILK EXTRACELLULAR VESICLES ACCELERATE NEURAL STEM CELL DIFFERENTIATION AND CAN AFFECT LINEAGE COMMITMENT

11:50 – 12:00 Dr. Jessie Santoro - *IRCCS SYNLAB SDN, Napoli, Italy*
MILK-DERIVED EXTRACELLULAR VESICLES AS FUNCTIONAL BIOACTIVE COMPONENTS IN BONE HEALTH

12:00 – 12:10 Sponsor Talk - **INNOVATIVE CELL TECH - Dr. Bianca Becker**
VESICLE DETACHMENT WITH ACCUTASE?

12:10 – 12:20 Sponsor Talk - **FIBERCELL SYSTEM - Dr. John J.S. Cadwell**
CLINICAL SCALE PRODUCTION OF EXTRACELLULAR VESICLES IN A 3-D PERFUSION HOLLOW FIBER BIOREACTOR

12:20 – 13:20

BUFFET LUNCH // POSTER VIEWING// SPONSOR EXHIBITION

13:20 – 15:00

SESSION 8 - AFM EVS

Chairman: Prof. Simone Dinarelli

13:20 – 13:40 Prof. Pietro Parisse - *CNR-IOM - Istituto Officina dei Materiali, Consiglio Nazionale delle Ricerche, Trieste, Italy*
ASSESSING EVS FUNC-ONALITY BY MEANS OF ATOMIC FORCE MICROSCOPY-BASED APPROACHES

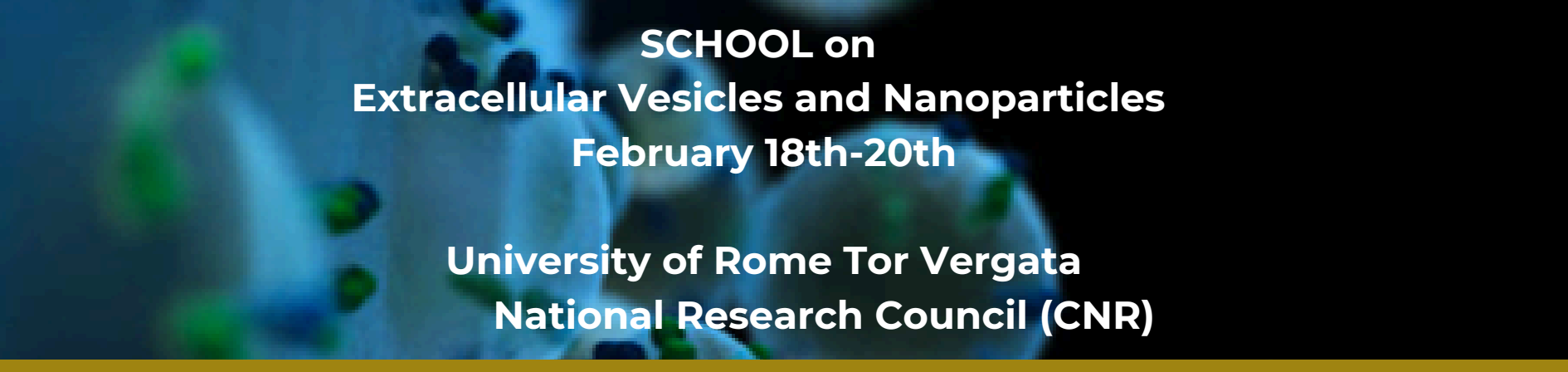
13:40 – 13:50 Dr. Carolina Sbarigia - *Dept. Biology and Biotechnologies "C. Darwin", La Sapienza University, Rome, Italy*
HIGH-RESOLUTION ATOMIC FORCE MICROSCOPY REVEALS NANOSCALE FEATURES AND DYNAMICS OF SURFACE BUDDING

13:50 – 14:00 Dr. Giovanni Longo - *Institute for the Structure of Matter, CNR, Rome, Italy*
GLOWING SPICULES AND CELLULAR PURGING: THE ROLE OF OXIDIZED HEMOGLOBIN IN THE VESICULATION OF AGING FAVISM ERYTHROCYTES

14:00 – 14:10 Sponsor Talk - **EPPENDORF - Dr. Fabio Campanini**
USING DENSITY GRADIENT ULTRACENTRIFUGATION FOR ISOLATION OF PURER EXOSOMES

14:10 – 14:20 Sponsor Talk - **ONI - Dr. Claudia Zagami**
SUPER-RESOLUTION MICROSCOPY ENABLING NEXT-GENERATION EV RESEARCH

14:20 – 15:00 AWARDS & CONCLUSION REMARKS



SCHOOL on
Extracellular Vesicles and Nanoparticles
February 18th-20th

University of Rome Tor Vergata
National Research Council (CNR)

The school will be held at the laboratories of the University of Rome Tor Vergata from February 18 to 20, 2026. The school's aim is to demonstrate to young scientists the entire process of vesicle isolation and characterization using both traditional and more modern techniques. This will allow them to develop critical thinking skills when choosing future techniques for working with vesicles. Academic professors and scientists from private companies will illustrate the following techniques with theoretical and/or practical lectures.

Wednesday, February 18th, 2026

University of Rome Tor Vergata

Faculty of Medicine and Surgery - Dept of Experimental Medicine

Finazzi Agro' Hall

08:00 – 08:30 **Registration**

08:30 – 08:45 **Welcome talk to the 2026 School on Extracellular Vesicles and Nanoparticles**

08:45 – 10:00

SESSION 1 - General Concepts

Theory - In class

08:45 – 09:15 Prof. Paola Lanuti (University of Chieti-Pescara)
INTRODUCTION TO EVS

09:15 – 10:00 Dr. John Cadwell (Fibercell Systems Inc.)
CELL CULTURES: 2D VS 3D

10:00 – 10:15 **BREAK**

10:15 – 12:45

SESSION 2 - EV Isolation & Characterization

UC, SEC, TFF, NTA, TRPS

Theory - In class

10:15 – 10:45 Dr. Fabio Campanini (EPPENDORF)
EV ISOLATION BY ULTRACENTRIFUGATION (UC)

10:45 – 11:30 Dr. Maira Bacchiega (Schaefer SEE Srl)
PART 1. EV ISOLATION BY TANGENTIAL FLOW FILTRATION (TFF)
PART 2. EV ISOLATION BY SIZE EXCLUSION CHROMATOGRAPHY (SEC)
PART 3. EV CHARACTERIZATION BY TUNABLE RESISTIVE PULSE SENSING (TRPS)

11:30 – 12:15 Dr. Kyu Jegal and Dr. Suhyoung Choi (EXoPERT)
EV ISOLATION BY DUAL-SEC COLUMNS WITH EXO-I

12:15 – 12:45 Dr. Bertrand Damart (Particle Metrix GmbH)
EV CHARACTERIZATION BY NANOPARTICLE TRACKING ANALYSIS (NTA)

12:45 – 13:45 LUNCH

13:45 – 16:00

SESSION 3 - EV Isolation & Characterization FC

Theory - In class

Practice - **In Matteucci Lab**

13:45 – 14:15 Prof. Antonella Minutolo (University of Tor Vergata) - Prof. Claudia Radu (University of Padua)
CONCEPTS ON THE CHARACTERIZATION OF EVS BY FLOW CYTOMETRY (FC)

14:15 – 16:00 Dr. Marialaura Fanelli and Dr. Vita Petrone (University of Tor Vergata)
EV ISOLATION AND STAINING IN LAB

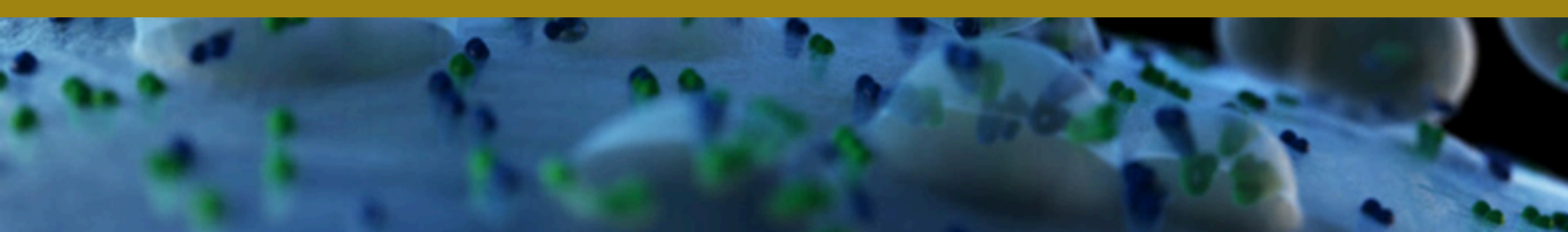
16:00 – 16:15 BREAK

16:15 – 17:30

SESSION 4 - EV Isolation & Characterization FC

Practice - **In Matteucci Lab**

16:15 – 17:30 Prof. Antonella Minutolo (University of Tor Vergata) - Prof. Claudia Radu (University of Padua)
Jorge Formaro (Beckman Coulter Life Sciences)
EV CHARACTERIZATION BY FLOW CYTOMETRY, READING AND DATA INTERPRETATION



Thursday, February 19th, 2026

University of Rome Tor Vergata

Faculty of Medicine and Surgery - Dept of Experimental Medicine

Finazzi Agro' Hall

08:30 – 10:45

SESSION 5 - EV Isolation UC, SEC, TFF

Practice - **In Bottini Lab**

08:30 – 09:15 Dr. Giada Corti (University of Tor Vergata)
EV ISOLATION BY ULTRACENTRIFUGATION (UC) IN COLLABORATION WITH EPPENDORF

09:15– 10:00 Dr. Maira Bacchiega (Schaefer SEE Srl)
EV ISOLATION BY TANGENTIAL FLOW FILTRATION (TFF)

10:00 – 10:45 Dr. Maira Bacchiega (Schaefer SEE Srl)
EV ISOLATION BY SIZE EXCLUSION CHROMATOGRAPHY (SEC)

10:45 – 11:00 BREAK

11:00 – 13:15

SESSION 6 - EV Isolation EXODUS, ExoFaster

Practice - **In Bottini Lab**

11:00 – 12:15 Dr. Yuri D'Alessandra (Exodus Bio)
AUTOMATED EV ISOLATION USING THE EXODUS-H600 SYSTEM (EXODUS BIO)

12:15 – 13:15 Dr. Jessie Xu (Upper Biotech)
AUTOMATED EV ISOLATION USING THE EXOFASTER-500 SYSTEM (UPPER BIOTECH)

13:15 – 14:15 LUNCH

14:15 – 15:45

SESSION 7 - EV Characterization NTA, TRPS

Practice - **In Bottini Lab**

14:15 – 15:00 Dr. Bertrand Damart (Particle Metrix GmbH)
EV CHARACTERIZATION BY NTA USING ZETAVIEW EVOLUTION (PARTICLE METRIX GMBH)

15:00 – 15:45 Dr. Maira Bacchiega (Schaefer SEE Srl)
EV CHARACTERIZATION BY TRPS USING THE EXOID (IZON)

15:45 – 16:00 BREAK

16:00 – 17:15

SESSION 8 - EV Characterization NTA

Practice - **In Bottini Lab**

16:00 – 17:15 Dr. Roberto Santoliquido (Alfatest Srl)
EV CHARACTERIZATION BY NTA USING NANOSIGHT PRO

Friday, February 20th, 2026

National Research Council (CNR)

Institute of Structure of Matter (ISM) - ArTov

08:30 – 10:00

SESSION 9 - EV biomimetic models

Theory - In class

08:30 – 09:30 Prof. Pietro Ciancaglini (Universidade de São Paulo)
LIPOSOMES AND PROTEOLIPOSOMES

09:30 – 10:00 Dr. Claudia Cencetti (QI technologies Srl)
LIPOSOME PROTEIN-PROTEIN INTERACTION DETECTION BY FIDA BIOSYSTEMS

10:00 – 10:15 BREAK

10:15 – 12:45

SESSION 10 - EV Characterization High res, PBA, AFM

Theory - In class

10:15 – 11:00 Dr. Yanling Cai (SECRETECH)
EV CHARACTERIZATION BY PROXIMITY BARCODING ASSAY (PBA)

11:00 – 12:00 Dr. Rute Fernandes (ONI Inc.)
EV CHARACTERIZATION BY HIGH RESOLUTION MICROSCOPY

12:00 – 12:45 Dr. Girasole Marco - Dr. Giovanni Longo (ISM-CNR)
EV CHARACTERIZATION BY ATOMIC FORCE MICROSCOPY (AFM)

12:45 – 13:45 LUNCH

13:45 – 15:30

SESSION 11 - EV Characterization AFM

Practice - **In Dinarelli Lab**

13:45 – 14:45 Prof. Simone Dinarelli (National Research Council) - Dr. Giada Corti (University of Tor Vergata)
PART 1. EV SAMPLE PREPARATION FOR CHARACTERIZATION BY AFM
PART 2. AFM DATA ANALYSIS AND INTERPRETATION

15:15 – 15:30 **CONCLUDING REMARKS**

PARTICIPATION
FREE ON SITE AND ONLINE
REGISTER HERE
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VENUE CONFERENCE
February 16-17
Villa Tuscolana
Via del Tuscolo 1
Frascati (Rome)

SCHOOL
February 18-19
Finazzi Agro' Hall
Faculty of Medicine and Surgery
Department of Experimental Medicine
Tor Vergata University
Via Montpellier 1 - Rome

SCHOOL
February 20
ArTov
Via del Fosso del Cavaliere 100
Rome