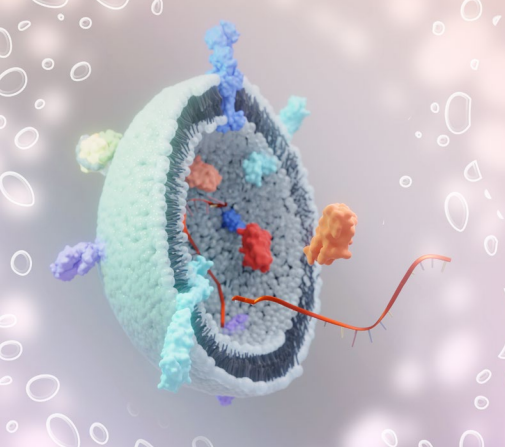




EXTRACELLULAR VESICLES IN HEALTH & DISEASE

UNIVERSITÉ CÔTE D'AZUR | GRADUATE SCHOOL
LIFE AND HEALTH
SCIENCES



WINTER SCHOOL

DEC. 14 to 18, 2026

OFFICIAL PROGRAMME

DAY 1

Dec 14 Basic Aspects of Extracellular Vesicles

- 9:00-9:15** **Welcome, introduction to the Winter School and overview of the program of the day**
Mounia CHAMI (IPMC, Valbonne, France)
- 9:15-9:35** **General introduction to the basic aspects of Extracellular Vesicles**
Inger LAURITZEN (IPMC, Valbonne, France)
- 9:35-10:05** **Intercellular Communication Through Extracellular Vesicles: What Syndecan–Syntenin Teaches Us About Mechanisms and Therapeutic Opportunities**
Pascale ZIMMERMANN (CRCM Marseille/KU Leuven, Belgium) - In person
- 10:05-10:35** **Large extracellular vesicles containing mitochondria (EVMs) derived from Alzheimer's disease models harbor pathologic functional and molecular profiles and spread mitochondrial dysfunctions**
Fanny EYSERT (IPMC, Valbonne, France)
- 10:35-11:00** **Coffee break**
- 11:00-11:30** **Functional analysis of apoptotic-exosome like vesicles induced by Fas death receptor activation: possible use of these EV as a biomarker of the immune response efficiency**
Laurent GAGNOUX (IBV, Nice, France)
- 11:30-12:00** **Bacterial EVs**
Eric GUEDON (INRAE/l'Institut Agroalimentaire, Rennes, Angers, France) - In person or videoconference
- 12:00-13:00** **Elucidating the biogenesis mechanisms of bacterial extracellular vesicles for the development of biotechnological applications**
José Manuel BORRERO DE ACUÑA (University of Seville, Spain) - In person
- 13:00-14:00** **Lunch and Coffee break**
- 14:00-14:20** **EV Isolation techniques**
Inger LAURITZEN (IPMC, Valbonne, France)
- 14:20-14:40** **Protein analysis by mass spectrometry**
Anne-Sophie GAY & Fanny EYSERT (IPMC, Valbonne, France)
- 14:40-15:00** **Flow cytometry analysis of extracellular vesicles**
Julie CAZARETH (IPMC, Valbonne, France)
- 15:00-15:20** **Electron microscopy as a tool to study extracellular vesicles**
Sandra LACAS GERVAIS (CCMA, UniCA, Nice, France)
- 15:20-16:00** **Immunogold technique and SMLM-super-resolution microscopy**
Mehdi Kabani (Neuro-Bicêtre, Paris-Saclay University, Paris, France) - In person
- 16:00-17:00** **Open discussion**

DAY 2**Dec 15 EVs in Brain Physiology and Pathology**

- 9:00-9:15 **Overview of the program of the day**
Inger LAURITZEN (IPMC, Valbonne, France)
- 9:15-9:45 **Extracellular Vesicles as Long-Range Carriers of secreted PLA2G5 in the Cerebrospinal Fluid?**
Agnès PETIT (IPMC, Valbonne, France)
- 9:45-10:15 **Studies of the biogenesis, secretion, and toxicity of APP C-terminal fragment (APP-CTF)-enriched neuronal extracellular vesicles (NEVs) in Alzheimer's disease (AD)**
Anaïs BINI (IPMC, Valbonne, France)
- 10:15-10:45 **Single molecule detection of Tau seeds in extracellular vesicles from Alzheimer's disease brains**
Mehdi KABANI (Neuro-Bicêtre, Paris-Saclay university, Paris) - In person
- 10:45-11:15 **Coffee break**
- 11:15-11:45 **Microglial extracellular vesicles as drivers of paracrine senescence**
Maria Teresa GOLIA (University of Milano, Italy) - Videoconference
- 11:45-12:15 **Non-coding RNA in extracellular vesicles**
Tom DRIEDONKS (University Medical Center Utrecht, Netherlands) - Videoconference
- 12:15-13:00 **EVs in Alzheimer's disease and tauopathies**
Luc BUÉE (Lille University, Lille, France) - In person
- 13:00-14:00 **Lunch and Coffee break**
- 14:30-17:30 **Students Workshop #1**
Only for Université Côte d'Azur Master students who chose the mandatory UE «Winter School»
Coordinated by Fanny EYSERT / Anaïs BINI / Elodie DELAQUAIZE / Julie CAZARETH / Inger LAURITZEN

DAY 3**Dec 16 EVs in Cancer**

- 9:00-9:15 **Overview of the program of the day**
Gérard LAMBEAU (IPMC, Valbonne, France)
- 9:15-10:00 **Tumor-immune system cross-talk : different roles of soluble secreted factors and extracellular vesicles**
Clotilde THÉRY (Curie Institute, Paris, France) - Videoconference
- 10:00-10:30 **How Blood Flow Shapes Tumor EV-Endothelial Interactions**
Nicolas Jones VILLARINHO (C3M, Nice, France)
- 10:30-11:00 **From membrane remodeling to EV diversity: uncovering the role of CD133 in cancer**
Gisela D'ANGELO (Curie Institute, Paris, France) - In person
- 11:00-11:30 **Coffee break**
- 11:30-12:00 **EV-mediated crosstalk in pancreatic cancer**
Richard TOMASINI (CRCM, Marseille, France) - In person
- 12:00-12:30 **ADAM10 shapes extracellular vesicle composition and signaling**
Rania GHOSSOUB (CRCM, Marseille, France) - In person
- 13:00-14:00 **Lunch and Coffee break**
- 14:30-17:30 **Students Workshop #2**
Only for Université Côte d'Azur Master students who chose the mandatory UE «Winter School»
Coordinated by Fanny EYSERT / Anaïs BINI / Elodie DELAQUAIZE / Julie CAZARETH / Inger LAURITZEN

DAY 4**Dec 17 EV Functions**

- 9:00-9:15** **Overview of the program of the day**
Fanny EYSERT (IPMC, Valbonne, France)
- 9:15-10:00** **Tracking EVs in vitro and in vivo**
Guillaume VAN NIEL (CRCL2NA, Nantes, France) - Videoconference
- 10:00-10:30** **Tumor-derived extracellular vesicles facilitate metastasis onset**
Vincent HYENNE (Inserm U1109, Strasbourg, France) - Videoconference
- 10:30-11:00** **Biological properties and physiological functions of EVs**
María YÁÑEZ-MÓ (University of Madrid, Spain) - Videoconference
- 11:00-11:30** **Coffee break**
- 11:30-12:15** **EVs in brain plasticity and recovery**
Stefan MOMMA (Goethe University Frankfurt, Germany) - Videoconference
- 13:00-14:00** **Lunch and Coffee break**
- 14:00-17:00** **Students Workshop #3**
Only for Université Côte d'Azur Master students who chose the mandatory UE «Winter School»
Coordinated by Fanny EYSERT / Anaïs BINI / Elodie DELAQUAIZE / Julie CAZARETH / Inger LAURITZEN

DAY 5**Dec 18 EVs as Disease Biomarkers and Therapeutic Targets**

- 9:00-9:15** **Overview of the program of the day**
Mounia CHAMI (IPMC, Valbonne, France)
- 9:15-10:00** **B-FHIT Bioproduction For Health and Innovative Therapy**
Mathilde MOSSER (Nantes, France) - Videoconference
- 10:00-10:30** **MSC-EV surface engineering for biodistribution and cargo delivery**
Marie MORILLE (Montpellier University, France) - Videoconference or in person
- 10:30-11:00** **Cellular and molecular characterization of EV uptake and delivery**
Grégory LAVIEU (Paris Cité University, NABI, Paris, France) - In person
- 11:00-11:30** **Coffee break**
- 11:30-12:00** **Investigating human Amniotic Secretome for Mutations for cardioprotective paracrine Therapy – the AmnioSMART project**
Sveva BOLLINI (University of Genova, Italy) - In person
- 12:00-12:30** **A NanoBioAnalytical Platform for the characterization of Large EVs associated with cytotoxic stress: toward a generic tool for discovering new biomarkers?**
Wilfrid BOIREAU (FEMTO-ST Institute, Besançon, France) - In person
- 12:30-14:00** **Lunch and Coffee break**
- 14:00-17:00** **- Concluding remarks**
- Winter school evaluation
- Students evaluation: Only for Université Côte d'Azur Master students who chose the mandatory UE «Winter School»

**INFO & REGISTRATION**

- Registration is open until Dec 1st 2026
- Registration is free but mandatory