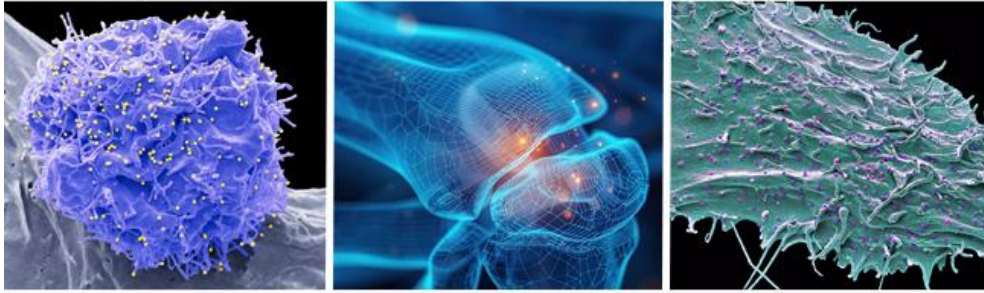


EFORT Webinar

Monday 24 November 2025 | 19:00–20:00 CET



www.efort.org/webinars

CELL-FREE PRODUCTS IN OA: SECRETOM, EVS & EXOSOMES

#EOTEP

Chair

Prof. Laura DE GIROLAMO, PhD | Director of REGAIN - REgenerative GAleazzi INstitute | Milan, Italy

Scientific Programme

The Webinar will address the following topics:

19:00-19:02 **Introduction**

Prof. Laura De Girolamo, PhD | Director of REGAIN - REgenerative GAleazzi INstitute | Milan, Italy

19:02-19:17 **Tiny vesicles, big effect: exploring the basic biology of exosomes**

Prof. Enrico Ragni | Galeazzi Sant'Ambrogio Hospital | Milan – Italy

19:17-19:32 **Impact of cultivation method of mesenchymal stromal cells on the therapeutic efficacy of extracellular vesicles**

Prof. Andrea De Luna | Center for Regenerative Medicine, University for Continuing Education Krems | Krems an Der Donau - Austria

19:32-19:47 **Generation EV: inheriting MSC parental potential while avoiding their clinical roadblocks**

Prof. Maroun Khoury | Nano-regenerative Laboratory, Biomedical Investigation and Innovation Center (CiB) University de los Andes | Santiago, Chile

19:47-19:58 **Questions and Answers** | All Webinar audience

19:58-20:00 **Final Remarks** | **Prof. Laura De Girolamo, PhD** | Milan, Italy

Learning Objectives

The Next Horizon in Orthobiologics: Moving Beyond the Cell.

Join us for a definitive session bridging the lab bench and the bedside. This EFORT Educational webinar **will analyse the cutting-edge science and emerging clinical application of cell-free therapeutics for Osteoarthritis (OA)—the most promising area of musculoskeletal regeneration.**

By the end of this webinar, participants will be able to:

Understand Exosome Fundamentals and Mechanisms

- Explain the basic biology of exosomes ("Tiny vesicles, big effect"), including their origin, composition, and role as key mediators in cell-to-cell communication.
- Articulate the specific mechanisms by which exosomes exert their therapeutic effects (e.g., anti-inflammatory, regenerative) in the context of joint disease.

Analyse Production and Potency Factors

- Evaluate the significant impact of mesenchymal stromal cell (MSC) cultivation methods on the quantity, quality, and resultant therapeutic efficacy of their derived Extracellular Vesicles (EVs).
- Identify the critical production variables that researchers and developers must control to ensure consistent and potent cell-free OA biotherapeutics.

Assess Clinical and Safety Data

- Appraise the current scientific and clinical evidence regarding the safety and efficacy of exosome biotherapeutics specifically for the treatment of joint disease.
- Discuss the major challenges and considerations necessary for the clinical translation of exosome-based therapies, including regulatory pathways and safety monitoring in patients.

This Webinar is organised by EFORT independent of any commercial educational support.

FREE REGISTRATION @ <https://efort.webinargeek.com/20251124>

Add to your calendar

<https://www.addevent.com/event/vh32r0nvt3cd>